PUBLIC REVIEW DRAFT

DRAFT SITE-WIDE HUMAN HEALTH RISK ASSESSMENT: UPPER COLUMBIA RIVER SITE

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ACRONYMS AND GLOSSARY[1]

95UCL	95% Upper Confidence Limit of the Arithmetic Mean
AALM	All Ages Lead Model
ABA	Absolute Bioavailability
ABS_d	Dermal Absorption Fraction
ABS_{GI}	Gastrointestinal Absorption Fraction
ADA	Aerial Deposition Area
ADI	Average Daily Intake
AI	Adequate Intake
ALM	Adult Lead Methodology
AT	Averaging Time
ATSDR	Agency for Toxic Substances and Disease Registry
B.C.	British Columbia
BERA	Baseline Ecological Risk Assessment
bgs	Below Ground Surface
BLL	Blood Lead Concentration
BMDL	Benchmark Dose Modeling Lower Confidence Limit
BW	Body Weight
C	Concentration
$CaCO_3$	Calcium Carbonate
CASRN	Chemical Abstracts Service Registry Number
CCT	Confederated Tribes of the Colville Reservation
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CF	Confidence Factor
CHIRU	Colville High Intensity Resource User
CI	Confidence Interval
cm	centimeter(s)
cm^2	square centimeter(s)
CnF	Conversion Factor
COI	Chemical of Interest
COPC	Chemical of Potential Concern
COR	Core sample
Cr(VI)	Hexavalent Chromium
CSM	Conceptual Site Model
CTE	Central Tendency Exposure
DAD	Dermally Absorbed Dose
DAD_L	Dermally Absorbed Dose, Averaged Over a Lifetime
DA_{event}	Absorbed Dose per Event
DAF	Dermal Adherence Factor
DAR	Data Analysis Report
DCR	Daily Consumption Rate
DDD	Dichlorodiphenyldichloroethane
DDT	Dichlorodiphenyltrichloroethane

[1] Most technical terminology and abbreviations used in this document can be found in EPA reference documents and are defined on https://www.epa.gov/superfund/superfund-glossary.

DI	Daily Intake
DI_L	Daily Intake, Averaged Over a Lifetime
dL	deciliter(s)
DL-PCB	Dioxin-like PCB
DMP	Data Management Plan
DOI	Department of the Interior
DOJ	Department of Justice
DQO	Data Quality Objective
DSR	Data Summary Report
DU	Decision Unit
dw	dry weight
EC	Exposure Concentration
ECY	Washington State Department of Ecology
ED	Exposure Duration
EF	Exposure Frequency
EMAP	Environmental Monitoring and Assessment Program
EMPC	Estimated Maximum Possible Concentration
EPA	Environmental Protection Agency
EPC	Exposure Point Concentration
ERA	Ecological Risk Assessment
ESI	Expanded Site Inspection
ET	Exposure Time
EV	Event Frequency
FFCMP	Freshwater Fish Contaminant Monitoring Program
FQ	Food Questionnaire
FSCA	Fish Sample Collection Area
g	gram(s)
GI	Gastrointestinal
GPS	Geographic Positioning System
GSD	Geometric Standard Deviation
GSF	Grain Size Fraction
HEAST	Health Effects Assessment Summary Tables
HHRA	Human Health Risk Assessment
HI	Hazard Index
HIF	Human Intake Factor
HQ	Hazard Quotient
HSCA	Hazardous Substances Control Act
HUC	Hydrologic Unit Code
HUD	U.S. Department of Housing and Urban Development
IC	Incremental Composite
ICS	Incremental Composite Sampling
IEc	Industrial Economics, Inc.
IEUBK	Integrated Exposure Uptake Biokinetic
IOM	Institute of Medicine
IQ	Intelligence Quotient
IR	Intake Rate

IRIS	Integrated Risk Information System
ISA	Integrated Science Assessment
ITRC	Interstate Technology & Regulatory Council
IUR	Inhalation Unit Risk
IVBA	*in vitro* Bioavailability
kg	kilogram(s)
KIVCET	Oxygen, Vortex, Cyclone and Electrothermic (in Russian)
KM	Kaplan Meier
K_p	Dermal Permeability Coefficient
L	Liter(s)
Lake Roosevelt	Franklin D. Roosevelt Lake
LCL	Lower Confidence Limit
LOAEL	Lowest-Observed-Adverse-Effect Level
LOE	Level of Effort
LRF	Lake Roosevelt Forum
LRNRA	Lake Roosevelt National Recreation Area
m	meter(s)
m^3	cubic meter(s)
µg	microgram(s)
µm	micrometer(s)
ME	Margin of Error
mg	milligram(s)
mi^2	square mile(s)
mm	millimeter(s)
MDL	Method Detection Limit
MRL	Minimal Risk Level
MSD	Mass Fraction of Soil in Indoor Dust
MWL	Mountain Whisper Light
n	Sample Size
NAP	National Academies Press
NCEA	National Center for Environmental Assessment
NCI	National Cancer Institute
NCP	National Contingency Plan
ND	Non-Detect
NGVD	National Geodetic Vertical Datum
NHANES	National Health and Nutrition Examination Survey
NHEXAS	National Human Exposure Assessment Survey
NIH	National Institutes of Health
NOAEL	No-Observed-Adverse-Effect Level
NPS	National Park Service
NTP	National Toxicology Program
NURE	National Uranium Resource Evaluation
OEHHA	California Office of Environmental Health and Hazard Assessment
OLEM	Office of Land and Emergency Management
ORD	Office of Research and Development
OSRTI	Office of Superfund Remediation and Technology Innovation

OSWER	Office of Solid Waste and Emergency Response
P2	5% Probability of Exceeding a PbB of 2 µg/dL
P3	5% Probability of Exceeding a PbB of 3 µg/dL
P5	5% Probability of Exceeding a PbB of 5 µg/dL
P8	5% Probability of Exceeding a PbB of 8 µg/dL
PAH	Polycyclic Aromatic Hydrocarbon
Pb	Lead
PbB	Blood Lead Concentration
PBDE	Polybrominated Diphenyl Ether
PBT	Persistent, Bioaccumulative, and Toxic
PCB	Polychlorinated Biphenyl
PCDD	Polychlorinated Dibenzo-p-dioxin
PCDF	Polychlorinated Dibenzofuran
PM_{10}	Particulate Matter
ppm	Parts per Million
PPRTV	Provisional Peer-Reviewed Toxicity Value
p-RFD	Provisional Reference Dose
PRG	Preliminary Remediation Goal
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RAGS	Risk Assessment Guidance for Superfund
RBA	Relative Bioavailability
RBSL	Risk-based Screening Level
RDA	Recommended Dietary Allowance
RE	Relative Error
RecUse Survey	Recreational Consumption and Resource Use Survey
REL	Reference Exposure Level
RfC	Reference Concentration
RfD	Reference Dose
RfDabs	Absorbed Reference Dose
RFDA	Relict Floodplain Deposition Area
RI/FS	Remedial Investigation and Feasibility Study
RM	River Mile
RME	Reasonable Maximum Exposure
ROS	Regression on Order Statistics
RPF	Relative Potency Factor
RSL	Regional Screening Level
SA	Surface Area
SD	Standard Deviation
SDU	Sediment Decision Unit
SE	Standard Error
SF	Slope Factor
SF_{ABS}	Absorbed Slope Factor
SiO_2	Silicon Dioxide
Site	UCR Site
SLERA	Screening-level Ecological Risk Assessment

SO_2	Sulfur Dioxide
SRL	Savannah River Laboratory
STI	Spokane Tribe of Indians
SVOC	Semi-volatile Organic Compound
t_{event}	Event Duration
TAI	Teck American Incorporated
TAL	Target Analyte List
TCDD	2,3,7,8-Tetrachlorodibenzo-para-dioxin (Dioxin)
TCRA	Time Critical Removal Action
Teck	Teck Resources Limited
TEF	Toxic Equivalency Factor
TEQ	Toxic Equivalent
TOC	Total Organic Carbon
TRI	Toxics Release Inventory
Tribal Survey	Tribal Consumption and Resource Use Survey
TRW	Technical Review Workgroup
TSS	Total Suspended Solids
TUIL	Tolerable Upper Intake Level
TWA	Time-Weighted Average
TWF	Time-Weighting Factor
UCL	Upper Confidence Limit
UCR	Upper Columbia River
UDU	Upland Decision Unit
UF	Uncertainty Factor
UF_A	Interspecies (Animal to Human) UF
UF_D	Incomplete to Complete Database UF
UF_H	Intraspecies (Interhuman) UF
UF_L	LOAEL to NOAEL extrapolation UF
UFP	Uniform Federal Policy
UF_S	Subchronic to Chronic UF
UL	Upper Limit
U.S.	United States
USBR	U.S. Bureau of Reclamation
USGS	U.S. Geological Survey
UTL95-95	95% Upper Tolerance Limit with 95% coverage (also 95UTL95)
VRA	Voluntary Removal Action
WDOH	Washington State Department of Health
Weston	Weston Solutions, Inc.
WHO	World Health Organization
Windward	Windward Environmental LLC
WOE	Weight of Evidence
ww	Wet Weight
WRIA	Water Resource Inventory Area
XRF	X-ray Fluorescence
YAM	Young America Mine
<	Less than

>	Greater than
≤	Less than or Equal to
≥	Greater than or Equal to
%	Percent
=	Equal to

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NOTE TO READERS

This report presents the results of the human health risk assessment (HHRA) for the Upper Columbia River (UCR) Site. The report is a technical document intended for risk assessors and risk managers rather than a risk communication tool for the general public. It was prepared to evaluate the need for and potential types of actions that may be required to reduce risks to people from pollution at the Site. The report uses standard risk assessment terminology and follows conventions found in Environmental Protection Agency (EPA) guidance such as the *EPA Risk Assessment Guidance for Superfund* (EPA, 1989). Acronyms and abbreviations are provided on Pages v to x. Clarifications on some terminology are provided in this Note to Readers.

The report provides information on selected environmental media: soil, fish, sediment, river water (surface water), air, crayfish, mussels, and plants. These are referred to in the report as "exposure media." These media were analyzed by laboratories to determine the concentrations of hazardous chemicals in each medium. These chemicals are referred to in the report as "chemicals of potential concern," or "COPCs."

Risks from exposure to COPCs were evaluated for hypothetical populations that represent subsets of populations of people who live near the UCR, visit or work on its beaches, or eat fish, shellfish, game, or cultural/wild plants harvested from the area. These hypothetical populations are referred to in the report as "receptors." Receptor populations are assigned exposure parameters (e.g., intakes of selected media, exposure frequencies and durations) to represent typical (most likely) exposures, referred to as "central tendency exposures" (CTE), or greater than typical exposures, referred to as "reasonable maximum exposures" (RME). Receptor populations are hypothetical because they are restricted to exposures to selected media and defined media intakes; therefore, they may not represent any single individual or real population, whose members engage in a broader diversity of activities and intensities (duration, frequency) than assumed for the receptor population. For example, the outdoor worker receptor is assumed to be exposed exclusively during occupational activities. However, workers may live in the area and may recreate at the UCR. The recreational visitor receptor is assumed to be exposed exclusively during intermittent visits to the Site. However, some recreational visitors may also be residents or outdoor workers. Although a more complex exposure scenario (work plus residence plus recreation) has not been directly assessed in this HHRA, the risks for contributing exposures (work, or residence, or recreation) provide some information about risks of combined exposures. For example, if risks from residential exposure exceed risk benchmarks, then risks for the resident who works at the Site are also likely to be of concern, but not necessarily from exposures at work. Risks for individual receptors should not be summed to estimate risks for "hybrid" receptors (e.g., resident-recreator-worker) because exposures from each exposure scenario do not necessarily sum (e.g., a person at work is not at home or recreating).

The five categories of receptors (hypothetical populations) evaluated in this risk assessment are:

1. Residents (who live in the area now or could in the future),
2. Recreational visitors to the river,
3. Outdoor workers at public beaches,

4. Colville high intensity resource users, and
5. Residents of the Spokane Tribe of Indians (STI) Reservation (the Spokane Reservation).

Receptor populations 4 and 5 above are populations whose diet consists largely of fish, game, and cultural/wild plants collected locally. These two populations are evaluated separately, and the results are reported in Appendices 1 and 2.

Receptor populations represent plausible exposure scenarios at the Site, rather than individuals. The exposure scenarios are the ways in which people could be exposed to Site-related chemical contamination. "Exposure pathways" in this report include eating fish, other animals, or plants ("consumption"); breathing the air ("inhalation"); touching soil, sediment, or surface water ("dermal contact"); and/or accidentally getting soil/dust, sediment, or surface water in their mouths and swallowing it ("incidental ingestion").

Risks to receptor populations are estimated at specific places, referred to in this report as exposure areas. An exposure area is an area within which the receptor has an equal probability of being exposed to contaminants. In the residential soil sampling program, these exposure areas were termed Decision Units (DUs). The assumption of random exposure in each exposure area is the basis for using an average concentration to represent the exposure concentration within the exposure area (referred to in this report as the exposure point concentration [EPC]). Examples of exposure areas evaluated in this assessment include DUs on residential properties as well as individual private and public beaches. Here again, the EPC applies to receptor populations, recognizing that it may not represent individuals or subpopulations who do not have an equal probability of being exposed to contaminants in the exposure area (i.e., who preferentially spend time at certain locations within the exposure area). In order to assess such subpopulations, the exposure areas and receptor definitions would have to be reconstructed.

EPA equations and models are used to estimate risks to receptors from exposures to COPCs by comparing calculated exposures to risk-based thresholds. For lead, this is done by using computer models to estimate concentrations of lead in blood and comparing those blood lead concentrations (PbBs) to risk benchmarks. Because the science and regulatory environment regarding lead toxicology is still evolving, three lead risk benchmarks are used in this evaluation, representing a range of PbBs. For COPCs other than lead (referred to as "non-lead COPCs"), risks are separately calculated for cancer and non-cancer health outcomes. For cancer, risks are calculated as the increased probability of an individual getting cancer from exposure to a chemical. For non-cancer outcomes, risks are calculated as how much the estimated receptor exposures exceeds (or does not exceed) an exposure that is assumed to be safe based on toxicological studies. Some non-lead COPCs may have the potential to produce both cancer and non-cancer effects; for these chemicals, risk is calculated both ways. Lead and non-lead COPCs are assessed and presented separately in this report because they are evaluated using different methods. Lead is the main soil contaminant at the Site because most soil DUs that exceeded risk benchmarks are attributable to lead exposures. Therefore, risks from soil exposure estimated for non-lead COPCs may be considered in the context of lead risk (e.g., those exposure areas that exceed lead risk benchmarks and also exceed non-lead risk benchmarks).

Risk estimates are the result of several calculations performed on various types of data. The final result is presented with one significant digit (e.g., “0.9,” “1,” “2”). Intermediate values in calculations carry additional digits to minimize rounding errors. These final result values are compared to benchmarks. The following are examples of how calculated results are reported as one significant digit and then compared to the non-cancer benchmark of 1:

- Calculated result of 0.92 is reported as 0.9 – it does not exceed benchmark
- Calculated result of 0.96 is reported as 1 – it does not exceed benchmark
- Calculated result of 1.3 is reported as 1 – it does not exceed benchmark
- Calculated result of 1.5 is reported as 2 – it exceeds benchmark

The comparison of risk estimates to benchmarks provides a means to categorize risk as a concern (i.e., within the risk range or above the threshold) or not (i.e., below the threshold). Consistent with other EPA risk assessments, this assessment includes numerous health-protective assumptions (described in the report) that may result in an overestimation of risk. This is done to ensure that there is little chance of concluding that there is little or no risk at a DU, beach, or other exposure area, when risks are actually above a level of concern (false negative decision error).

The report contains a large number of tables and figures presenting available concentration data, parameters used to conduct the risk assessment, and results for all of the receptor populations and exposure areas. These tables and figures are at the end of the report, rather than embedded in the text where they are first referenced.

EXECUTIVE SUMMARY

This report presents the Site-wide human health risk assessment (HHRA) for the Upper Columbia River (UCR) Site, which is in northeast Washington State and includes approximately 150 river miles of the Columbia River from the United States (U.S.) – Canadian border south to the Grand Coulee Dam. This HHRA was conducted as part of an ongoing remedial investigation and feasibility study (RI/FS) in response to concerns regarding historical discharges of hazardous substances into the Columbia River as a result of smelting processes and facility operations by Teck Resources Limited ("Teck") and its affiliated predecessors at the facility in Trail, British Columbia (B.C.). This work is being performed under a Settlement Agreement signed by the U.S. and Teck American Incorporated (TAI) in 2006 (U.S. Environmental Protection Agency [EPA], 2006a).

Multiple rounds of data have been collected at the Site over the past 15 years, including samples of UCR surface water, beach sediment, soil, air, and tissue (fish, macroinvertebrates, and plants). Site-related chemicals of interest (COIs) sampled in these media were screened against risk-based screening levels (RBSLs) to determine chemicals of potential concern (COPCs) for each medium. The COPCs evaluated in this HHRA are metals in UCR surface water; surface sediment at public beaches, and residential beaches[2]; surface soil from relict floodplains and adjacent to Bossburg Flat Beach ("beach soil"); subsurface sediment and subsurface beach soil on public beaches; surface soil in upland areas and on residential properties; air; indoor dust; plants; and waterfowl, upland birds, and wild game (mammals). COPCs in fish and macroinvertebrate tissue include some organic chemicals as well as metals.

Exposures to these COPCs were evaluated for the following receptor populations:

- *Residents* who contact soil in their yards and dust in their homes, who breathe air, who may eat fish from the UCR, and who may contact UCR surface water and sediment if they have a beach on their property;
- *Outdoor workers* who contact surface and subsurface sediment or beach soil at public beaches, who contact UCR surface water, and who breathe air;
- *Recreational visitors* who use the UCR for beach day trips, boating, camping, swimming, and fishing and thereby contact surface sediment and beach soil at public beaches and relict floodplains, who contact UCR surface water, who breathe air, and who may eat fish harvested from the UCR;
- *Colville High Intensity Resource Users* (CHIRU) who have contact with soil, beach sediment, and UCR surface water, who breathe air, and who may eat fish, mussels, crayfish, amphibians/reptiles, waterfowl, wild/cultural plants, upland birds, and wild game (mammals) harvested from the Site; and
- *Spokane Tribe of Indians* (STI) who have contact with soil, beach sediment, and UCR surface water, who breathe air, and who may eat fish harvested from the UCR.

[2] The term "residential beach" is used in this HHRA to mean a beach on private property that was sampled as part of the 2014 or 2016 Residential Soil Studies.

A Site-specific Recreational Consumption and Resource Use Survey ("RecUse Survey") (Industrial Economics, Inc. [IEc], 2012; SRC, 2019a) was conducted and provided estimates of frequency of use and of fish consumption that were incorporated into this HHRA. The HHRA for the CHIRU population of the Confederated Tribes of the Colville Reservation (CCT) is presented in Appendix 1, and the HHRA for the STI population is presented in Appendix 2. A Site-specific Tribal Consumption and Resource Use Survey ("Tribal Survey") (Westat, 2012; SRC, 2019b) was conducted and provided exposure parameters that were used to evaluate the CHIRU population. Exposure parameters provided by the STI from the 2006 STI Hazardous Substances Control Act (HSCA) were used to evaluate the STI population. Risk estimates in these two appendices may also be informative to other non-tribal residents and visitors to the area who engage in similar activities.

The following is a general summary of the results of this HHRA:

Receptor[1]	**Lead[2]**	**COPCS other than Lead**		**Major Contributors to Risk**
		Non-cancer	**Cancer**	
Current resident without beach	↑ P8[3]	↑	↓	• Lead in soil • Methylmercury[3], thallium and dioxins and dioxin-like PCBs in fish
Current resident with beach	↑ P5	↑	↓	• Lead in soil • Methylmercury, thallium and dioxins and dioxin-like PCBs in fish
Potential future resident	↑ P8	↑	↓	• Lead in soil • Methylmercury, thallium and dioxins and dioxin-like PCBs in fish
Recreational visitor, public beach sediment	↑ P5	↑	↓	• Lead in sediment • Methylmercury, thallium and dioxins and dioxin-like PCBs in fish
Recreational visitor, public beach soil	↑ P8	↑	↓	• Lead in soil • Methylmercury, thallium and dioxins and dioxin-like PCBs in fish
Recreational visitor, relict floodplain soil	↑ P3	↑	↓	• Lead in soil • Methylmercury, thallium and dioxins and dioxin-like PCBs in fish
Outdoor worker	↑ P3	↓	↓	• Lead in beach soil and sediment

↑ at least one DU was above risk benchmark

[3]Mercury in fish tissue was analyzed using methods that only measure total mercury. Because the majority of mercury in fish is present as methylmercury, as explained in detail in Section 3, mercury in fish is referred to as methylmercury in this HHRA.

Receptor[1]	Lead[2]	COPCS other than Lead		Major Contributors to Risk
		Non-cancer	Cancer	

↓ no DUs above benchmark
[1]Results for CHIRU and STI receptor populations are found in Appendices 1 and 2, respectively.
[2]All scenarios have greater than 5% probability of exceeding a blood lead level of 3 µg/dL (P3).
[3]"P3," "P5," "P8:" Indicates the level of lead risk, not including fish. P3 = probability of exceeding a blood lead level of 3 µg/dL is >5%; P5 = probability of exceeding a blood lead level of 5 µg/dL is >5%; P8 = probability of exceeding a blood lead level of 8 µg/dL is >5%.

Risks to receptor populations were estimated at specific places, referred to in this report as exposure areas. An exposure area is an area within which the receptor has an equal probability of being exposed to contaminants. In the residential soil sampling program, these exposure areas were termed Decision Units (DUs). The assumption of random exposure in each exposure area is the basis for using an average or high-end concentration (for lead and other chemicals, respectively) to represent the exposure concentration within the exposure area (referred to in this report as the exposure point concentration [EPC]). Examples of exposure areas evaluated in this assessment include DUs on residential properties as well as individual private and public beaches.

Two pathways of potential exposure to COPCs that were not evaluated quantitatively in this HHRA were consumption of cultivated garden fruits and vegetables by residents, and inhalation of sweat lodge air by residents of the Colville and/or Spokane Reservations. Risk to residents consuming cultivated/garden plants was not assessed because all non-beach soil DUs from the 2014 and 2016 Residential Soil Studies (CH2MHill, 2016a; TAI, 2017a) were assessed assuming full-time residential exposure, and full-time residential soil exposures are expected to be protective of gardening exposures.[4] People who participate in sweat lodge activities may contact COPCs in UCR surface water that is heated by contact with heated rocks in the sweat lodges. Because non-volatile metals will not vaporize at sweat lodge temperatures, intake of metals would be from ingestion of inhaled water droplets rather than from absorption from the respiratory tract. Relative to ingestion of UCR surface water from direct contact during other water activities such as swimming and wading, ingestion of COPCs in surface water spray in a sweat lodge would be a negligible contributor to risk. As such, this exposure pathway was not quantitatively evaluated (see Appendix 3 for more detailed discussion).

Risks from exposure to lead (Pb) in Site media were evaluated and presented separately from risks from exposure to other COPCs. Risks from exposure to lead were assessed using the Integrated Exposure Uptake Biokinetic (IEUBK) Model for Lead in Children for residential and recreational exposures, and the Adult Lead Methodology (ALM) for the outdoor worker exposure pathway. Risk benchmarks are risk levels that EPA uses to distinguish risks that are a potential concern from risks that are below the level of concern. The Office of Solid Waste and Emergency Response (OSWER) (EPA, 1994a) identified a risk reduction goal of limiting

[4] The Office of Superfund Remediation and Technology Innovation (OSRTI) determined that this is an acceptable approach for gardens, where direct soil ingestion is the source of the majority of risk. Garden soils tend to have lower soil lead concentrations and lower bioavailability which may result from using soil amendments such as compost and fertilizer (e.g., Brown and Chaney, 2016) in cultivated gardens. Finally, the most sensitive receptor for the lead evaluation is the young child, who is not likely to be an avid gardener.

exposure to lead such that children would have an estimated risk of no more than 5 percent (%) probability of exceeding a blood lead concentration (PbB) of 10 micrograms (µg) per deciliter (dL). The Office of Land and Emergency Management (OLEM) (EPA, 2016a) highlighted the current science and risk assessment tools that EPA Regions may consider when implementing the 1994 OSWER Directive 9355.4-12. EPA's Office of Research and Development (ORD) reviewed the health effects evidence for lead and found that several studies have observed "clear evidence of cognitive function decrements (as measured by Full Scale intelligence quotient [IQ], academic performance, and executive function) in young children (4 to 11 years old) with mean or group PbBs between 2 and 8 µg/dL (measured at various life stages and time periods)" (EPA, 2013a). In addition, the National Toxicology Program's (NTP, 2012) *Monograph on Health Effects of Low-Level Lead* found sufficient evidence of delayed puberty, reduced post-natal growth, and decreased hearing for children at PbBs below 10 µg/dL and adverse effects on academic achievement, IQ, other cognitive measures, attention-related behaviors, and problem behaviors at PbBs below 5 µg/dL.

For this HHRA, the risk evaluation benchmarks selected for elevated lead risk were defined as greater than (>) 5% probability of exceeding a PbB of 3, 5, or 8 µg/dL (referred to as "P3," "P5," and "P8," respectively). These benchmarks are within the risk range of child PbBs associated with adverse health effects (2-8 µg/dL) cited in the 2016 OLEM Soil Lead Directive (EPA, 2016a). The IEUBK model cannot be used with a risk benchmark of 2 µg/dL because with default parameter values and assuming no lead in soil (0 parts per million [ppm]), the IEUBK model will calculate more than 5% probability that PbB will be >2 µg/dL (that is to say that the P2 risk goal is exceeded if the soil lead concentration is 0 ppm). The estimated background soil lead concentration for this Site is approximately 35 ppm (Appendix 4). P3 was selected as a lead risk benchmark to quantitatively evaluate the low end of the risk range of child PbBs associated with adverse health effects.

The IEUBK model was used to derive Preliminary Remediation Goals (PRGs) for residential soil lead exposures for each of the three risk benchmarks as follows:

- Utilizing the IEUBK model, a 5% probability of exceeding a PbB of 3 µg/dL was associated with a soil concentration of approximately 50 ppm lead
- Utilizing the IEUBK model, a 5% probability of exceeding a PbB of 5 µg/dL was associated with a soil concentration of approximately 200 ppm lead
- Utilizing the IEUBK model, a 5% probability of exceeding a PbB of 8 µg/dL was associated with a soil concentration of approximately 400 ppm lead

The PRGs associated with each of these risk benchmarks is based on an assumed default relative bioavailability (RBA) of 60% for lead. Site-specific *in vitro* bioavailability (IVBA) information was used to derive RBA-adjusted lead concentrations for samples collected on-Site, which allows direct comparison with these PRGs.

Because the IEUBK model requires a complete exposure scenario, the user must input a residential soil concentration even when the exposure pathway of interest (i.e., exposure to beach sediment) is not residential. Exposure of children to lead in sediment at residential beaches, public beaches, and relict floodplains (beach soil) was therefore assessed using the time-

weighted approach recommended by EPA (2003a). This approach used Site-specific exposure frequency (EF) information to apportion exposure between the beach sediment/soil or relict floodplain soil and the soil at the "residence." The residential soil EPC used for lead in this approach was either the average of the lead concentration in the house DU(s) (or the nearest appropriate DU or DUs) on that property (for residential beaches), or the average residential soil EPC for the study area (129 milligrams [mg]/kilogram [kg]; for residential beaches with no associated "house" DU, for public beaches, and for relict floodplains). Surface water exposure (i.e., incidental ingestion of surface water while swimming) and exposure from consuming fish harvested from the UCR were assessed as additional exposures to lead that would occur while recreating at a public or private beach.

For media other than soil, sediment, and surface water, lead risk may be considered in terms of how exposure to the medium (i.e., fish consumption) contributes to lead intake given a selected concentration of lead in residential soil. The IEUBK model predicts that lead intakes of at least 1 µg of lead per day[5] are needed to decrease the soil PRG by 10%. For example, the P5 soil PRG would decrease from approximately 200 ppm to approximately 180 ppm when lead intake because of fish consumption increases from 0 to 1 µg Pb/day. In this HHRA, risk from exposures that were predicted to contribute less than (<) 1 µg lead intake per day (i.e., fish consumption), which would change the PRG by <10%, were classified as minimal.

Risks from exposures to COPCs other than lead ("non-lead COPCs") were estimated using exposure pathways and parameters based on EPA guidance and Site-specific information. Risks were estimated two ways for each receptor: using high-end exposure parameters (termed the "Reasonable Maximum Exposure" [RME]) and using mean or average values for exposure parameters (termed the "Central Tendency Exposure" [CTE]). Risk benchmarks used in this HHRA for non-lead COPCs were as follows: a non-cancer hazard quotient (HQ) >1 or an excess cancer risk $>10^{-4}$ for individual COPCs (EPA, 1997). HQs for individual COPCs were also summed across COPCs within an exposure pathway, and across exposure pathways for a specific exposure scenario, to calculate a hazard index (HI). The risk benchmark for non-cancer hazard based on the HI was HI >1. As recommended in Exhibits 8-2 and 8-3 of EPA's *Risk Assessment Guidance for Superfund Volume I Human Health Evaluation Manual, Part A* (EPA, 1989), final risk results were presented with one significant digit and compared to benchmarks. Intermediate calculations retained additional digits to minimize rounding errors. The following are examples of how calculated results were reported as one significant digit and then compared to the non-cancer benchmark of 1:

- Calculated result of 0.92 was reported as 0.9 – it does not exceed benchmark
- Calculated result of 0.96 was reported as 1 – it does not exceed benchmark
- Calculated result of 1.3 was reported as 1 – it does not exceed benchmark
- Calculated result of 1.5 was reported as 2 – it exceeds benchmark

The assumption of dose additivity in the HI approach is most relevant to chemicals that induce the same effect by the same mode of action. If an HI >1 because of summing several HQs across

[5] Assuming 30% absolute bioavailability (ABA).

pathways, then the chemicals can be segregated by effect and mode of action, and an HI can be calculated for each target organ group (EPA, 1989). Target organ HIs were calculated in this HHRA for receptors and pathways where the HI >1 if summed across COPCs within an exposure pathway, or across exposure pathways for a specific exposure scenario. The risk benchmark for non-cancer hazard based on target organ HIs was HI >1. Cancer risks were summed across a lifetime to calculate a time-weighted average (TWA) cancer risk. The risk benchmark for TWA excess cancer risk was $>10^{-4}$.

This HHRA considered potential risk from all COPCs. Some COPCs that contribute a large portion of the risk are commonly found in watersheds in Washington State. Examples include dioxins, dibenzofurans, and polychlorinated biphenyls (PCBs). While these chemicals contribute to the estimated total risk to receptor populations of interest at the Site, they do not constitute risks unique to the Site. Additionally, there are uncertainties associated with the COPCs that are the major contributors to risk (such as conservative assumptions made regarding available toxicity data). An analysis of Site-specific background data illustrates that, for lead, consideration of the estimated background concentration of lead in soil at the Site (approximately 35 ppm; see Section 6.4) is unlikely to influence results at P5 or P8 because the P5 and P8 are well above background (approximately 200 or 400 ppm, respectively). However, because the background soil lead concentration is very close to the P3 soil PRG (~50 ppm), consideration of background may be influential for that lead risk benchmark. Measured concentrations of arsenic and antimony also exceeded estimated background concentrations in many DUs and upland aerial deposition areas (ADAs). In addition to arsenic and lead, the COPCs that contribute the most to calculated risk from exposure to soil (thallium, manganese, cobalt, and iron) are below estimated background concentrations.

The risk estimates reported in this HHRA assumed that no additional steps are taken to remediate the environment or to reduce human contact with contaminated environmental media. Subsequent to the collection of residential soil data from the Site in 2014 and 2016, Time Critical Removal Actions (TCRAs) and/or Voluntary Removal Actions (VRAs) were completed on 28 sampled residential soil DUs.[6] Those DUs were included in the evaluations in this report using their post-removal soil concentrations to represent current exposure conditions.

Risks from exposure to lead and non-lead COPCs by the CHIRU population and the STI population are given in Appendices 1 and 2. Risks for the resident, recreational visitor, and outdoor worker populations are summarized below.

Current Resident Population (Not Beach DUs)

The current resident population was evaluated for exposure to outdoor soil and indoor dust, outdoor and indoor air, and consumption of fish caught from the UCR (evaluated for each species individually). This was done on a DU-by-DU basis (i.e., conservatively assuming that the resident lived full-time on that DU). Table ES-1 summarizes the number of DUs that exceeded risk benchmarks for both non-lead and lead COPCs for the current resident population without a beach on the property.

[6] List of TCRAs and VRAs is current as of June 20, 2019.

Lead

Of 588 residential DUs evaluated, 389 DUs exceeded the lead benchmark of P3 (66%), 87 DUs exceeded P5 (15%), and 12 exceeded P8 (2%), not including the consumption of fish from the UCR (see Figures 5-1 through 5-3). Consuming fish from the UCR may pose an additional lead risk to current residents.

COPCs Other Than Lead

For the non-lead evaluation, exposures from each pathway were summed to evaluate cancer and non-cancer effects to the current residential population (without a beach) as a whole. When cancer risk was summed across a lifetime and across exposure pathways for the current residential population (without beaches on their property), no DUs exceeded the cancer risk benchmark of 10^{-4} for either the RME or CTE scenario.

For the non-cancer evaluation for the current adult resident population, no exposure pathway on its own resulted in exceedances of target organ risk benchmarks under either the RME or CTE scenario. When these pathways were summed to look at total exposure to current adult residents without beaches on their property, one house DU had a target organ HI >1 for the skin/hair/nails system when the fish species consumed was walleye (this DU also exceeded the lead risk benchmark of P8), and all 588 DUs had non-cancer target organ HIs >1 for the nervous system when the fish consumed was sucker (see Figure 5-10). These exceedances occurred under the RME exposure scenario; consumption of all other fish species evaluated did not result in non-cancer benchmark exceedances. When CTE exposure conditions were assumed, no DUs exceeded non-cancer benchmarks for current adult residents (without beaches).

For the non-cancer evaluation for the current child resident population, inhalation of outdoor and indoor air and consumption of northern pike or sturgeon, as individual exposure pathways, did not result in exceedance of non-cancer benchmarks at any residential DUs under either RME or CTE scenarios. For the exposure to soil/dust pathway, one house DU had a target organ HI >1 for the skin/hair/nails system with RME exposure assumptions but did not exceed benchmarks with CTE exposure assumptions. This house DU exceeds the lead risk benchmark of P8 as well, as shown in Figure ES-1.

Under the RME scenario for the fish consumption pathway for the current child resident population, consumption of burbot resulted in target organ HIs >1 for the developmental and nervous systems; consumption of kokanee or rainbow trout resulted in the skin/hair/nails target organ system HI >1; consumption of smallmouth bass or walleye resulted in target organ HIs >1 for the developmental, nervous, and skin/hair/nails systems; sucker consumption resulted in developmental, nervous, and reproductive target organ system HIs >1; and consumption of whitefish resulted in target organ HIs >1 for the reproductive and skin/hair/nails systems. None of these fish consumption exposure pathways resulted in exceedance of non-cancer benchmarks under CTE exposure assumptions. When the exposure pathways were summed together under the RME scenario for the current child residential population, at least one residential DUs had non-cancer target organ HIs >1 for each fish species consumed:

- Consumption of sucker: 588 DUs had HI >1 for developmental, nervous, and reproductive target organ systems; 578 DUs had HI >1 for skin/hair/nails target organ system (see Figure 5-15)

- Consumption of walleye: 588 DUs had HI >1 for developmental, nervous, and skin/hair/nails target organ systems; 9 DUs had HI >1 for endocrine system; 2 DUs had HI >1 for cardiovascular system (see Figure 5-16)
- Consumption of smallmouth bass: 588 DUs had HI >1 for developmental, nervous, and skin/hair/nails target organ systems
- Consumption of whitefish: 588 DUs had HI >1 for nervous, reproductive, and skin/hair/nails target organ systems
- Consumption of burbot: 588 DUs had HI >1 for developmental and nervous target organ systems; 43 DUs had HI >1 for skin/hair/nails target organ system (see Figure 5-11)
- Consumption of northern pike: 588 DUs had HI >1 for nervous and skin/hair/nails target organ systems
- Consumption of rainbow trout: 588 DUs had HI >1 for skin/hair/nails target organ system; 577 DUs had HI >1 for nervous system (see Figure 5-13)
- Consumption of kokanee: 588 DUs had HI >1 for skin/hair/nails target organ system; 219 DUs had HI >1 for nervous system (see Figure 5-12)
- Consumption of sturgeon: 588 DUs had HI >1 for nervous system; 18 DUs had HI >1 for skin/hair/nails target organ system (see Figure 5-14)

The major contributor to skin/hair/nails target organ risk was thallium, and the major contributor to developmental and nervous system target organ risk was methylmercury.

Under CTE exposure assumptions, when all exposure pathways were summed, no target organ HIs exceeded 1 when the fish species consumed was burbot, northern pike, rainbow trout, smallmouth bass, sturgeon, sucker, or whitefish. Target organ HIs >1 at one house DU for the skin/hair/nails system when the fish consumed was kokanee or walleye (see Figure 5-17). This DU exceeded the lead risk benchmark of P8.

Current Resident Population (Beach DUs)

The current resident-with-beach population was evaluated at 21 residential beaches sampled in 2014 and 2016 for exposure to outdoor soil and indoor dust, surface sediment, UCR surface water, outdoor and indoor air, and consumption of fish caught from the UCR (by individual fish species). Table ES-2 summarizes the number of DUs that exceeded risk benchmarks for both non-lead and lead COPCs for the current resident population with a beach on the property without including consumption of fish. For COPCs other than lead, fish consumption drives the non-cancer risk results, and the major contributors to the increased risk from fish ingestion were methylmercury, thallium, and total TEQ. Beach sediment is less contaminated than soil.

Lead
Of 21 residential beach DUs evaluated, 19 exceeded the lead risk benchmark of P3, and 5 exceeded P5 not including consumption of local fish (see Figure 5-7). No residential beach DUs exceeded P8. Consuming fish from the UCR may pose an additional risk to current residents with beaches (see Appendix 5).

COPCs Other Than Lead

For the non-lead evaluation, exposures from each pathway were summed to evaluate both cancer and non-cancer effects to the current residential population (with a beach) as a whole, by beach DU. When cancer risk was summed across a lifetime and across exposure pathways for the residential population, no residential beach DUs exceeded the cancer risk benchmark for either the RME or CTE scenario.

For the non-cancer evaluation for the adult resident population (with residential beaches), no exposure pathway on its own resulted in exceedances of target organ risk benchmarks under either the RME or CTE scenario. When these pathways were summed to look at total exposure to current adult residents with beaches on their property, all residential beach DUs had non-cancer target organ HIs >1 for the nervous system when the fish consumed was sucker. These exceedances occurred under the RME exposure scenario, and the major contributor to risk was methylmercury. Consumption of all other fish species evaluated did not result in non-cancer benchmark exceedances. When CTE exposure conditions were assumed, no DUs exceeded non-cancer benchmarks at any residential beach DU.

For the non-cancer evaluation of the child resident-with-beach population, the only individual exposure pathways with target organ HIs >1 under the RME scenario were consumption of individual fish species other than northern pike and sturgeon. Consumption of burbot resulted in target organ HIs >1 for the developmental and nervous systems; consumption of kokanee or rainbow trout resulted in the skin/hair/nails target organ system HI >1; consumption of smallmouth bass or walleye resulted in target organ HIs >1 for the developmental, nervous, and skin/hair/nails systems; sucker consumption resulted in developmental, nervous, and reproductive target organ system HIs >1; and consumption of whitefish resulted in target organ HIs >1 for the reproductive and skin/hair/nails systems. None of these fish consumption exposure pathways resulted in exceedance of non-cancer benchmarks under CTE exposure assumptions. When all exposure pathways (air, water, sediment, soil/dust, and fish) were summed together for the child resident with a beach, all 21 residential beach DUs had non-cancer target organ HIs >1 under RME assumptions for:

- The nervous system for consumption of all individual fish species except kokanee and rainbow trout. Twenty residential beach DUs had HIs >1 for consumption of rainbow trout.
- The developmental system for consumption of burbot, smallmouth bass, sucker, and walleye
- The reproductive system for consumption of sucker and whitefish
- The skin/hair/nails system for consumption of kokanee, northern pike, rainbow trout, smallmouth bass, sucker, walleye, and whitefish. One residential beach DU also had HI >1 for the skin/hair/nails system for consumption of burbot and sturgeon.

For the CTE scenario, no target organ HIs were >1 for children at residential beach DUs when exposure pathways were summed.

Potential Future Resident Population

The potential future resident population was evaluated for exposure to outdoor soil and indoor dust, outdoor and indoor air, and consumption of fish caught from the UCR (evaluated as individual fish species). This was done on an ADA-by-ADA basis (i.e., conservatively assuming that the potential future resident lived full-time on that ADA). Table ES-3 summarizes the number of ADAs that exceeded risk benchmarks for both non-lead and lead COPCs for the potential future resident population.

Lead

Of 142 upland ADAs evaluated, 139 ADAs exceeded the lead benchmark of P3 (98%), 68 ADAs exceeded P5 (48%), and 15 exceeded P8 (11%) not including consumption of UCR fish (see Figures 5-4 through 5-6). Consuming fish from the UCR may pose an additional risk to potential future residents (see Appendix 5).

COPCs Other Than Lead

For the non-lead evaluation, exposures from each pathway were summed to evaluate both cancer and non-cancer effects to the potential future residential population as a whole. When cancer risk was summed across a lifetime and across exposure pathways for the potential future residential population, no ADAs exceeded the cancer risk benchmark of 10^{-4} for either the RME or CTE scenario.

For the non-cancer evaluation for the future adult resident population, no exposure pathway on its own resulted in exceedances of target organ risk benchmarks under either the RME or CTE scenario. When these pathways were summed to look at total exposure to future adult residents, all 142 ADAs had non-cancer target organ HIs >1 for the nervous system when the fish consumed was sucker. These exceedances occurred under the RME exposure scenario; the major contributor to risk was methylmercury. Consumption of all other fish species evaluated did not result in non-cancer benchmark exceedances. When CTE exposure conditions were assumed, no DUs exceeded non-cancer benchmarks for potential future adult residents.

For the non-cancer evaluation for the future child resident population, inhalation of outdoor and indoor air and consumption of northern pike or sturgeon, as individual exposure pathways, did not result in exceedance of non-cancer benchmarks at any ADAs under either RME or CTE scenarios. For the exposure to soil/dust pathway, two ADAs had a target organ HI >1 for the skin/hair/nails system with RME exposure assumptions but did not exceed benchmarks with CTE exposure assumptions. These two ADAs exceed the lead risk benchmark of P8 as well, as shown in Figure ES-2.

Under the RME scenario for the fish consumption pathway for the future child resident population, consumption of burbot resulted in target organ HIs >1 for the developmental and nervous systems; consumption of kokanee or rainbow trout resulted in the skin/hair/nails target organ system HI >1; consumption of smallmouth bass or walleye resulted in target organ HIs >1 for the developmental, nervous, and skin/hair/nails systems; sucker consumption resulted in developmental, nervous, and reproductive target organ system HIs >1; and consumption of whitefish resulted in target organ HIs >1 for the reproductive and skin/hair/nails systems. None of these fish consumption exposure pathways resulted in exceedance of non-cancer benchmarks under CTE exposure assumptions. When the exposure pathways were summed together under

the RME scenario, at least some ADAs had non-cancer target organ HIs >1 for each fish species consumed:

- Consumption of sucker: 142 ADAs had HI >1 for developmental, nervous, reproductive, and skin/hair/nails target organ systems
- Consumption of walleye: 142 ADAs had HI >1 for developmental, nervous, and skin/hair/nails target organ systems; 3 ADAs had HI >1 for the endocrine target organ system; 1 ADA had HI >1 for cardiovascular system (see Figure 5-21)
- Consumption of smallmouth bass: 142 ADAs had HI >1 for developmental, nervous, and skin/hair/nails target organ systems
- Consumption of whitefish: 142 ADAs had HI >1 for nervous, reproductive, and skin/hair/nails target organ systems
- Consumption of burbot: 142 ADAs had HI >1 for developmental and nervous target organ systems; 55 ADAs had HI >1 for skin/hair/nails target organ system (see Figure 5-18)
- Consumption of northern pike and rainbow trout: 142 ADAs had HI >1 for nervous and skin/hair/nails target organ systems
- Consumption of kokanee: 142 ADAs had HI >1 for skin/hair/nails target organ system; 122 ADAs had HI >1 for nervous system (see Figure 5-19)
- Consumption of sturgeon: 142 ADAs had HI >1 for nervous system; 21 ADAs had HI >1 for skin/hair/nails target organ system (see Figure 5-20)

The major non-lead contributors to risk were methylmercury (developmental and nervous systems), thallium (skin/hair/nails system), and dioxins and dioxin-like PCBs (reproductive system).

Under CTE exposure assumptions for the future child resident, when all exposure pathways were summed, no target organ HIs were >1 when the fish species consumed was burbot, kokanee, northern pike, rainbow trout, smallmouth bass, sturgeon, or whitefish. Target organ HIs were >1 at two ADAs for the nervous system when the fish consumed was sucker, and one ADA had a target organ HI >1 for the skin/hair/nails system when walleye was the fish species consumed (see Figure 5-22). One of the ADAs with nervous system HI >1 when sucker was consumed exceeded the lead risk benchmark of P8, and the other ADA exceeded the lead risk benchmark of P3. The ADA with the skin/hair/nails HI >1 when walleye was consumed exceeded the lead risk benchmark of P8. The major non-lead contributors to risk were methylmercury (developmental, nervous system) and thallium (skin/hair/nails).

Recreational Visitor Population

The adult and child recreational visitor population was evaluated for exposure on beach day trips, boating and camping trips to UCR surface water, outdoor air, public beach surface sediment or beach surface soil, relict floodplain surface soil, and consumption of fish caught in the UCR (evaluated by individual species).

Lead

For day trips to public beaches, the lead risk benchmark of P3 was exceeded at all public beaches with or without consumption of fish. Lead results for individual fish species are presented in Appendix 5. The P5 benchmark was only exceeded at Bossburg Flat Beach (based on 2011 sampling and 2013 reanalysis data) with or without fish consumption. No public beaches exceeded P8. These lead results are the same for boating and camping trips as well. Consuming fish from the UCR may pose an additional lead risk to recreational visitors. For beach day trips, camping and boating trips to Bossburg Flat Beach and exposure to surface soil in upland DUs (UDUs), all UDUs exceeded P3 and one UDU exceeded P5 and P8 with or without consumption of UCR fish. For relict floodplains, with or without UCR fish consumption, all relict floodplain deposition areas (RFDAs) exceeded the lead risk benchmark of P3, and no RFDAs exceeded P5 or P8.

COPCs Other Than Lead

For the non-lead evaluation, exposures from each pathway were summed to evaluate both cancer and non-cancer effects to the recreational visitor population as a whole. When cancer risk was summed across a lifetime and across exposure pathways for the recreational visitor population, no public beaches or relict floodplains exceeded the cancer risk benchmark regardless of trip type for both the RME and CTE scenarios.

For the non-cancer evaluation for the adult recreational visitor population, no exposure pathway on its own resulted in exceedances of target organ risk benchmarks under either the RME or CTE scenario. When these pathways were summed to look at total exposure to adult recreational visitors, there were no target organ HIs >1 at any public beach, SDU, RFDA, or UDU for the RME and CTE scenarios, regardless of trip type.

The only individual exposure pathway that exceeded non-cancer risk benchmarks under the RME scenario for target organ HIs for the child recreational visitor population was the consumption of fish species except northern pike and sturgeon. For the RME scenario, consumption of fish species resulted in non-cancer target organ HIs >1 for the following systems at each public beach, SDU, RFDA, and UDU for each trip type:

- Developmental system: burbot, smallmouth bass, sucker, and walleye
- Nervous system: burbot, smallmouth bass, sucker, and walleye
- Reproductive system: sucker and whitefish
- Skin/hair/nails system: kokanee, rainbow trout, smallmouth bass, walleye, and whitefish

When exposure pathways were summed, there were no target organ HIs >1 at any public beach, SDU, relict floodplain, or UDU (regardless of trip type) for the child recreational visitor, under RME exposure assumptions, when the fish species consumed was northern pike or sturgeon. There were non-cancer target organ HIs >1 under the RME scenario at each public beach, SDU, relict floodplain, or UDU (regardless of trip type) for the developmental, nervous, reproductive, and skin/hair/nails system for the child recreational visitor consuming the following species:

- Developmental system: burbot, smallmouth bass, sucker, and walleye

- Nervous system: burbot, smallmouth bass, sucker, and walleye
- Reproductive system: sucker and whitefish
- Skin/hair/nails system: kokanee, rainbow trout, smallmouth bass, walleye, and whitefish

The major non-lead contributors to risk were methylmercury (developmental and nervous systems), thallium (skin/hair/nails system), and dioxins and dioxin-like PCBs (reproductive system).

For the CTE scenario, none of the exposure pathways evaluated had target organ HIs >1 for child recreational visitors at any public beach, SDU, RFDA, or UDU (regardless of trip type). No target organ HIs >1 at any public beach, SDU, RFDA, or UDU for child recreational visitors when exposure was summed across pathways, regardless of trip type.

Outdoor Worker Population

The adult outdoor worker population was evaluated for exposure to surface and subsurface sediment or soil at public beaches, UCR surface water, and outdoor air. This included each public beach sampled in 2009-2011, 2013, and 2015.

Lead
Subsurface sediment or soil exposure at public beaches exceeded P3 at three exposure areas at Bossburg Flat Beach and did not exceed P5 or P8.

COPCs Other Than Lead
Under both the RME and CTE scenarios, non-cancer target organ HIs did not exceed the non-cancer benchmark of 1 at any public beach for the outdoor worker population. Cancer risks summed across exposure pathways were below the cancer risk benchmark of 10^{-4} at all public beaches evaluated.

Exposure to Air at the UCR Site

Exposure to Site-related COPCs in air has been a public concern at the Site because the source of contamination. However, as discussed in detail in the body of the report, exposure to COPCs in the air pathway alone did not exceed any risk benchmarks for lead, non-cancer, or cancer. The concentration of lead in UCR air is an order of magnitude lower than the default air lead concentration in the IEUBK model. The last air data were collected in 2009 at one location near the Highway 25 Bridge in Northport. However, emissions from the Trail smelter as reported to the National Pollutant Release Inventory from 2002 to 2017 show that while individual metals may be emitted at varying rates, emissions of arsenic and lead have decreased since 2009 (Figure 2-13).

1 INTRODUCTION

1.1 Overview of the Site

The Upper Columbia River (UCR) Site ("the Site") is in the northeast portion of the State of Washington and includes approximately 150 river miles (RMs) of the Columbia River, extending from the United States (U.S.) – Canada border south and west to the Grand Coulee Dam. The Site "…consists of the areal extent of hazardous substances contamination within the United States in or adjacent to the Upper Columbia River, including the Franklin D. Roosevelt Lake ("Lake Roosevelt"), from the border between the United States and Canada downstream to the Grand Coulee Dam, and all suitable areas in proximity to such contamination necessary for implementation of the response actions…" (EPA, 2006a). A remedial investigation and feasibility study (RI/FS) is currently underway in response to concerns regarding historical discharges of hazardous substances into the Columbia River, including but not limited to discharges of granulated slag, liquid effluents, emissions, and accidental spills and "upsets" from smelting processes and facility operations by Teck Resources Limited ("Teck") and its affiliated predecessors at the Trail facility located in Trail, British Columbia (B.C.).

On June 2, 2006, the U.S., on behalf of the U.S. Environmental Protection Agency (EPA) and Department of Justice (DOJ), and Teck American Incorporated (TAI) signed a Settlement Agreement requiring Teck to perform an RI/FS at the Site (cited herein as EPA, 2006a). In accordance with the Settlement Agreement, TAI will complete the RI/FS and baseline ecological risk assessment (BERA) and EPA will complete the human health risk assessment (HHRA).

1.2 Purpose

This report presents the Site-wide HHRA. The purpose of this HHRA is to assess the potential risks to humans, both under current conditions and expected conditions in the future, from exposure to Site-related contaminants present in environmental media associated with the UCR, assuming no steps are taken to remediate the environment or to reduce human contact with contaminated environmental media.[1] The results of this assessment are intended to help inform risk managers and the public about potential human risks attributable to exposure to Site-related contaminants and to help determine if there is a need for action at the Site (EPA, 1989). The overall management goal is to ensure protection of humans from deleterious effects from exposures to Site-related chemicals for both current and future land uses. This report was developed based on a current understanding of the Site, including nature and extent of contamination, chemicals of interest (COIs), and human exposure scenarios. The methods used to evaluate risks in this HHRA are consistent with current EPA guidelines for HHRA at Superfund sites (EPA, 1989, 1991a, 1991b, 1992, 1997, 2001a, 2002a, 2002b, 2004a, 2004b, 2009a, 2011a, 2014a).

[1] Subsequent to the collection of residential soil data from the Site in 2014 and 2016, Time Critical Removal Actions (TCRAs) and/or Voluntary Removal Actions (VRAs) were conducted on 28 decision units (DUs) as of June 20, 2019 (see Table 2-3). Those DUs were included in the HHRA using post-removal soil concentrations as representative of current exposure conditions, as described in detail in this report.

1.3 Organization

The remainder of this report is organized into the following sections:

Section 2 Description of the Site and a review of data that have been collected to characterize the nature and extent of environmental contamination at the Site.

Section 3 Description of the exposure assessment for human exposure scenarios of potential concern at the Site. Identifies chemicals of potential concern (COPCs) for exposure media associated with those exposure pathways and presents the equations and exposure parameters used to derive estimates of exposure to lead and non-lead COPCs.

Section 4 Summaries of cancer and non-cancer toxicity values used in the assessment, and adjustments for relative bioavailability (RBA).

Section 5 Presentation of estimated cancer risk and non-cancer hazard to humans from exposures to lead and non-lead COPCs at the Site.

Section 6 Discussion of uncertainty associated with the analysis, focusing on influential factors that may lead to possible overestimation or underestimation of risk.

Section 7 Summary of overall findings of risks from exposure to lead and non-lead COPCs at the Site.

Section 8 Full citations for EPA guidance documents, Site-related documents, and scientific publications referenced in this document.

2 SITE CHARACTERIZATION

This section provides a general characterization of the Site, including descriptions of Site history and usage, physical characteristics, and ecological resources. This Site Characterization includes summaries of all Site-related data collected to date.

2.1 Site Location and Description

The Site is in north eastern Washington (Figure 2-1). The Site extends along the Columbia River from the border between the U.S. and Canada downstream to the Grand Coulee Dam (EPA, 2006a). Immediately upstream of the Grand Coulee Dam, the impounded river forms Lake Roosevelt reservoir. At full pool, Lake Roosevelt extends at least 133 miles upriver to U.S. Geological Survey (USGS) RM 730, within 15 miles of the Canadian border, and is bordered by over 600 miles of publicly available shoreline (EPA, 2005a; Lake Roosevelt Forum [LRF], 2006a; National Park Service [NPS], 2019). The Colville National Forest is west of the UCR from the northern border of the Colville Reservation to Marcus Flats. The southeast corner of the Colville National Forest is approximately one mile from the UCR between the Onion Creek confluence and Northport. Highway 25 runs roughly adjacent to the eastern shore of the river from the confluence of the Spokane and Columbia Rivers upstream to Northport, where it crosses the river and continues north to the Canadian border. North of Northport, the Waneta Road continues on the eastern shore to the international border. This portion of the Site is characterized by sparsely developed public and private land. As described in the Settlement Agreement for implementation of the RI/FS, the Site "…consists of the areal extent of hazardous substances contamination within the United States in or adjacent to the Upper Columbia River, including the Franklin D. Roosevelt Lake ("Lake Roosevelt"), from the border between the United States and Canada downstream to the Grand Coulee Dam, and all suitable areas in proximity to such contamination necessary for implementation of response actions…" (EPA, 2006a).

The area surrounding the Site is generally thinly populated and consists of forests, farmland and residential properties. Communities located along Highway 395 to the west of the UCR include Barstow and Boyds. Communities located to the east of the UCR, along Highway 25, include, from north to south, Northport, Evans, Marcus, Rice, Daisy, Gifford, Cedonia, Hunters, Fruitland, and Enterprise. The northern extent of the Confederated Tribes of the Colville Reservation (CCT; the Colville Reservation) is approximately 3.5 miles north of Rice but on the opposite shore of Lake Roosevelt. The Colville Reservation borders Lake Roosevelt downstream to the Grand Coulee Dam. This area includes several communities, the largest of which are Coulee Dam, Inchelium, and Keller (EPA, 2003b). The Spokane Tribe of Indians (STI) Reservation (the Spokane Reservation) borders approximately 8 miles of the reservoir to the east, just south of the community of Enterprise and north of the Spokane River.

2.2 Physical Setting and Land Use

The physical characteristics of the UCR influence the distribution of potential contaminants released to the Site, potential exposure to those contaminants, and the development and evaluation of potential remedial alternatives. This section presents an overview of Site geology, hydrogeology, hydrology, river reach characteristics, and climate. A detailed description of the

physical setting of the Site and primary land uses by residents and visitors is provided in the HHRA work plan (SRC, 2009).

2.2.1 Physical Setting

2.2.1.1 Geology

The UCR is situated within two geologic provinces: the Okanogan Highlands and the Columbia Basin (Figure 2-2). The UCR is located along the division between the eastern and western Okanogan Highland regions. The Okanogan Highlands, which are typified by rounded mountains and deep, narrow valleys, include both shores of the Columbia River above the confluence with the Spokane River. Below the confluence with the Spokane River, the Columbia Basin borders the southern shore of the Columbia River.

The UCR region was extensively modified by glacial activities during the Pleistocene era. The UCR is located within the footprint of the ancestral glacial Lake Columbia, which formed at least three times during the Pleistocene glacial period. The glacial lake and its tributaries deposited coarser materials interbedded with silt and clay, forming deltas. More recently, with the construction of Grand Coulee Dam and the flooding of Lake Roosevelt, the higher river levels have resulted in saturation of these glaciofluvial terraces and their consequent collapse; more than 300 landslides have been documented along the UCR (Jones et al., 1961).

2.2.1.2 Hydrogeology

Aquifers occur in the Columbia Plateau Basalts (south of the lower reach of Lake Roosevelt) and alluvial deposits adjacent to and in valleys of tributaries to the reservoir. Except for the Columbia Plateau Basalts, much of the Site is underlain by geologic formations that do not yield significant quantities of groundwater for water supply uses (USGS, 1985). Limited local aquifers are present in the Site vicinity in permeable glacial alluvial deposits and in permeable sedimentary rocks (sandstones and limestones) (Whitehead, 1994). The aquifer that supplies the City of Northport is a permeable glacial deposit that contains useable quantities of groundwater. The sand and gravel deposits that comprise this aquifer extend from ground surface to depths greater than (>) 60 meters (m), with static water levels approximately 23 m below ground surface (bgs) (Weston Solutions, Inc. [Weston], 2004a).

Groundwater at the Site occurs in pore spaces between sand and gravel particles of unconsolidated aquifers and in fractures or voids of rock aquifers. These aquifers receive recharge from percolation of precipitation into the ground and leakage from surface water bodies (Whitehead, 1994). Groundwater in the Columbia Plateau Basalts aquifer discharges to Lake Roosevelt at the northern edge of the south-sloping Columbia basalts (Whitehead, 1994). Lower reaches of the Columbia River farther to the south (and outside of the UCR study area) subsequently receive discharge from this extensive basalt aquifer. Groundwater from wells and springs in the Site vicinity (e.g., Fort Spokane spring, EPA, 2007a) is used for public and domestic potable water supply, irrigation, power generation, and industry. The Washington State Department of Health (WDOH, 2006) identified 131 water systems within 5 miles of the UCR and Lake Roosevelt shoreline that utilize groundwater (springs or wells) (Table 2-1).

2.2.1.3 Hydrology

The Columbia River watershed is large and complex, with an area of approximately 260,452 square miles (mi^2) that encompasses parts of Washington, Oregon, Nevada, Utah, Idaho, Wyoming, and Montana, as well as B.C., Canada. The headwaters of the Columbia River are at Columbia Lake in Canal Flats, B.C. The river flows approximately 1,245 miles (approximately 470 miles in Canada) before reaching the Pacific Ocean along the border between Oregon and Washington. The river enters the U.S. in northeastern Washington, just south (downstream) of the confluence with the Pend Oreille River.

Grand Coulee Dam was built to provide flood control, irrigation, and power generation. Construction began in the 1930s and was completed in 1941. In June 1942, the impounded reservoir of Lake Roosevelt reached its full pool water surface elevation of 393 m above mean sea level (U.S. Bureau of Reclamation [USBR], 2006) (393 m National Geodetic Vertical Datum [NGVD] of 1927). Major tributaries that influence hydraulic conditions at the U.S. – Canadian border are the Columbia and Pend Oreille rivers. Principal tributaries that join the UCR within the study area are the Kettle, Colville, Spokane, and Sanpoil rivers.

Flow regimes in the UCR have varied over time. Over the past century, three distinct flow regimes have existed, as described below:

1. **Unregulated (before Grand Coulee Dam or upstream flow control)**. Before flow regulation began, UCR flows were governed by precipitation and runoff, particularly the amount of snowpack and snowmelt. During the unregulated era, the river was free-flowing and subject to large, periodic high-flow (flood) events.
2. **Downstream Control (after construction of Grand Coulee Dam but before upstream flow control**). During the period of downstream control, UCR flows were determined by unregulated upstream flow and water-level regulation at Grand Coulee Dam. Although periodic high-flow events still occurred, the extent of the Lake Roosevelt impoundment and backwater effects in upstream areas were controlled entirely by operations at Grand Coulee Dam.
3. **Regulated (after construction of Grand Coulee Dam and after upstream flow control**). During the contemporary era of regulation (post-1972), river flows are controlled by the operation of upstream dams in addition to management operations at Grand Coulee Dam (EPA, 2007b). As a result of the combined effects of dam operations, the size and frequency of large flood events has been reduced.

2.2.1.4 Flow Regulation across the U.S. – Canadian Border

The UCR has been divided into six reaches that correspond to relatively distinct physiographic units (Figure 2-1). Boundaries for the six reaches were selected based on consideration of distinct geomorphic features (e.g., channel width, sinuosity, confluence with major tributaries), general hydraulic or hydrodynamic characteristics (depth, location of the reservoir pool, riverbed characteristics, flow velocity), and expected differences regarding the principal mechanisms for transport or deposition of particle-bound COIs. Detailed descriptions of each river reach can be found in the HHRA work plan (SRC, 2009) and the RI/FS Work Plan (EPA, 2008); brief descriptions are provided below. As previously described, UCR hydrology changed significantly

with the construction of Grand Coulee Dam and again with the implementation of coordinated flood control operations at upstream dams beginning in 1973. These flow regime differences are expected to have influenced the initial transport of sediment and COIs in the UCR and continue to influence their redistribution. Therefore, the changing nature of flow in the UCR was also considered as the boundaries for river reaches were selected.

- Reach 1 (USGS RM 745 to RM 730)
  Reach 1 extends from the U.S. – Canadian border (USGS RM 745) southward past the city of Northport to USGS RM 730, near Onion Creek (Figure 2-1). The northern section of the reach – approximately 3 miles in length – is relatively shallow and narrow, retaining much of its historical hydraulic characteristics, and flows freely much of the time. The southern section of the reach – approximately 12 miles in length – is just upstream of the Lake Roosevelt reservoir and is influenced by the pool level. This section of the river is a free-running riverine reach, though it may be pool-like depending on the level of Lake Roosevelt.

- Reach 2 (USGS RM 730 to RM 711)
  Reach 2 extends from near Onion Creek (USGS RM 730) to Evans (USGS RM 711) (Figure 2-1). Historically, Reach 2 was a swift riverine reach, running southwest from USGS RM 730, first through a narrow, deep canyon and a series of rapids called the Little Dalles, then broadening slightly over the remainder of the run down to USGS RM 711 (Symonds, 1883). The constriction at Little Dalles was widened as part of Grand Coulee Dam construction efforts (1933 to 1942) by removing a rock island down to 383 m along with part of the southern riverbank (McKay and Renk, 2002). This section of the UCR is inundated by the Lake Roosevelt pool approximately 70 percent (%) of the time (EPA, 2004c). However, currents through the widened canyon are swift at lower pool levels. Although more sinuous than upstream areas, Reach 2 is still a relatively narrow channel with few embayments or shoreline irregularities.

- Reach 3 (USGS RM 711 to RM 699)
  Reach 3 extends from Evans (USGS RM 711) to just downstream of Kettle Falls (USGS RM 699; Figure 2-1). The characteristics of Reach 3 include distinct geomorphic features that are believed to favor deposition (and corresponding chemical transport and fate) under historical and contemporary flow regimes. At USGS RM 710 and again between USGS RM 706 and 707, the UCR thalweg makes two sharp (90-degree) bends while passing through a relatively broad floodplain in the area of Marcus Flats. To the north of the second bend, the Kettle River joins the UCR. The Kettle River is the first significant tributary confluence downstream of the U.S. – Canadian border, with a mean annual flow of approximately 3,000 cubic feet per second (USGS, 2006) (Table 2-2). Between USGS RM 704 and 703, the UCR thalweg descends through a steep, narrow constriction. Prior to the construction of Grand Coulee Dam, this was a powerful series of cascades known as Kettle Falls. Kettle Falls is now typically inundated by the Lake Roosevelt pool. However, during occasions of extreme drawdown (e.g., during construction of the third powerhouse at Grand Coulee Dam), Kettle Falls re-emerges. Downstream of the Kettle Falls constriction, the UCR runs through a relatively straight, narrow channel until the confluence with the Colville River at USGS RM 699.

- Reach 4 (USGS RM 699 to RM 640)
  Reach 4 extends from just downstream of Kettle Falls (USGS RM 699) to just upstream of the confluence with the Spokane River (USGS RM 640). Because of the length and expected differences in sediment and contaminant transport regimes, exposure, and habitat over time, this reach is further divided into two subreaches. Reach 4a extends from USGS RM 699, at the confluence of the Colville River, to USGS RM 676, just upstream of Inchelium. Reach 4b extends from USGS RM 676 to USGS RM 640 near the confluence with the Spokane River. Reach 4b borders the Spokane Reservation. These reaches collectively represent the middle reservoir.

- Reach 5 (USGS RM 640 to RM 617) and Reach 6 (USGS RM 617 to near RM 597)
  Reach 5 extends from USGS RM 640 to USGS RM 617. Within Reach 5, the Spokane River joins the Columbia River at USGS RM 639. Reach 6 extends from USGS RM 617 to the Grand Coulee Dam (near USGS RM 597). Within Reach 6, the Sanpoil River joins the UCR between USGS RM 615 and 614. These reaches collectively represent the Lower Reservoir. Reaches 5 and 6 both border the Colville Reservation. Both reaches can be characterized as lacustrine with slow-moving water.

2.2.1.5 Climate/Meteorology

The UCR study area lies in the rain shadow of the Cascade Mountains. The northern areas of the Site receive about 50 centimeters (cm) of precipitation a year (NPS, 2019). Moving south, the climate becomes far more arid with average annual precipitation at Grand Coulee Dam of approximately 25 cm. This precipitation occurs mostly in the winter and spring, while summer months are generally hot and dry.

The Site is in a transitional climate zone receiving moist marine air, continental air, and dry arctic air. Strong, gusty wind can occur during transitions between continental and marine air masses, mainly in spring and summer (Ferguson, 1996). It has been reported that in particularly warm and dry years, 8 to 20 gusty wind events can occur within the Site. The cool, moist air masses from Pacific storms, which progress eastward, are dramatically different than the hot, dry continental air masses. As the air masses meet, the associated fronts can be very strong. These weather fronts often bring strong, gusty local winds. Analysis of meteorological monitoring data collected along the UCR indicates that the dominant wind directions are from northeast to southwest and from southwest to northeast (U.S. Department of the Interior [DOI], 2006). However, wind direction distributions show strong variation with season and topography.

2.2.1.6 Ecological Resources

Aquatic life, wildlife, and vegetation within the Site are discussed in the HHRA work plan (SRC, 2009), the screening-level ecological risk assessment (SLERA; TAI, 2010a), and the BERA work plan (TAI, 2011a). As discussed above, the climate of portions of the Site and the surrounding area is semi-arid and varies a great deal from one end of the Site to the other (LRF, 2006b), with the southern (lower) portion near Grand Coulee Dam being generally hotter and drier. Vegetation in this area (Grand Coulee Dam to Keller Ferry) includes steppe (bunch grass grassland) and shrub-steppe. Between Keller Ferry and the upper end of the Spokane River Arm at Little Falls Dam is a transition from shrub-steppe to ponderosa pine (*Pinus ponderosa*) forest (Hebner et al., 2000). Areas around the middle and upper reservoir, between the Spokane River

and Kettle Falls, receive approximately 43 to 50 cm of precipitation a year (LRF, 2006b). This area is covered with a dense mix of ponderosa pine and Douglas fir (*Pseudotsuga menziesii*; Hebner et al., 2000; LRF, 2006b). The upper portion of the UCR (i.e., north of Kettle Falls to the U.S. – Canadian border) is primarily forested, consisting of Douglas fir, western larch (*Larix occidentalis*), grand fir (*Abies grandis*), Oregon grape (*Berberis repens*), and red-stem ceanothus (*Ceanothus velutinus*) (UCR Natural Resource Trustee Council, 2009).

2.2.2 Land Use

Land use near the Site is residential, recreational, and commercial, including timber lands. The HHRA work plan (SRC, 2009) provides an extensive description of human settlement, cultural resources, and demographics of the Site. As mentioned above, a portion of the Site is within the Colville Reservation and Spokane Reservation. In addition, the Site area includes several towns and communities that are adjacent to or near the river. Much of Lake Roosevelt has been designated as the Lake Roosevelt National Recreation Area (LRNRA), which is managed by the NPS. The LRNRA attracts more than 1.3 million visitors per year on average (NPS, 2019). The park has a staff of approximately 72 permanent and seasonal employees and receives around 4,000 hours of volunteer labor annually (Foster, 2019). Maintenance and administrative offices for the park are located in Coulee Dam, Spring Canyon, Fort Spokane, and Kettle Falls (NPS, 2019).

Portions of Lake Roosevelt that are not included in the federally managed LRNRA are managed by tribal entities: CCT or STI. The NPS, CCT, STI, USBR, and the Bureau of Indian Affairs cooperate as managing partners as described in the Lake Roosevelt Cooperative Management Agreement (the 5-party agreement). Designated recreational uses of the LRNRA include boating, fishing, swimming, wading, camping, canoeing, and hunting.

Developed areas overseen by the NPS include 22 boat launches, 27 campgrounds, and 3 concessionaire-operated marinas (Seven Bays, Keller Ferry, and Kettle Falls Marinas) to provide moorage, boat rental, fuel, supplies, food service, and other services. Figure 2-3 is a reproduction of an NPS map showing water management zones of the lake and recreational facilities along the UCR (LRF, 2019; EPA, 2007a). Two Rivers Marina (not part of the National Recreation Area) is owned and operated by the STI.

The remainder of the Lake Roosevelt shoreline managed by the NPS is undeveloped. The NPS allows camping on any undeveloped shoreline, provided it is at least one-half mile away from developed areas (Foster, 2019). The Colville and Spokane Reservations also provide opportunities for recreational visitors to fish and camp at the UCR (NPS, 2019). Recreational users may include occasional visitors, residents, and tribal members. NPS employees and volunteers are also present at the Site as part of their work responsibilities and may use the Site for recreation on a regular basis.

2.3 Site History

Indigenous people have occupied the vicinity of the UCR Site for more than 10,000 years. Prior to the influx of Canadian and European settlers in the mid-1850s, the ancestors of the twelve indigenous nations now comprising the CCT (sp̓aƛ̓muləxʷəxʷ/Methow, Sʔukʷnaʔqín/Okanogan,

Sn̓ʕay̓ckstx/Arrow Lakes, Sn̓pʕawílx/Sanpoil, Sx̌ʷy̓ʔiłpx/Colville, Nspiləm/Nespelem, c̓əlámәxәxʷ/Chelan, šniyátkʷәxʷ/Entiat, šnq̓áẇsәxʷ/Moses-Columbia, Np̓әšqʷáẇšәxʷ/Wenatchi, nímípuʔ/Nez Perce, and Snq̓ʷaʔmitx/Palus) were nomadic, following the seasons and their sources of food. Their aboriginal territories were grouped primarily around waterways such as the Columbia River, the Sanpoil River, the Okanogan River, the Snake River and the Wallowa River.

The Colville Indian Reservation was established by a Presidential Executive Order in 1872 and originally included more than twice as much land as it does today, encompassing the area between the Okanogan and Columbia Rivers up to the border with Canada. An 1892 act of Congress removed the north half of the reservation from tribal control, with hunting and fishing rights retained and allotments made to tribal members then living on it, and the rest opened up for settlement by others.

Many of the modern towns near the Site were founded from the late 1850s through the 1880s as mining communities or as supply centers for the mining districts. A western power shortage associated with World War II led Franklin D. Roosevelt to authorize the Columbia Basin Project, including the Grand Coulee Dam and Banks Lake, a holding reservoir. The implementation of this project altered the historical, cultural, and natural resources of the UCR, leading to present day conditions. The HHRA work plan (SRC, 2009) details known and potential chemical sources near the Site, including mine, mill, and smelting operations; pulp mill operations; Toxics Release Inventory (TRI) sources; water quality discharge permitted sites; and municipal and nonpoint sources.

Mining and mineral processing has been occurring in the UCR region, in both the U.S. and Canada, since at least the late 1800s. Most of the operations in the U.S. portion of the region took place in Stevens and Ferry counties (Orlob and Saxton, 1950; Wolff et al., 2005). Mining activities in the drainage basin also occurred in the Metaline mining district in Pend Oreille County, Washington. As part of the UCR Expanded Site Inspection (ESI) conducted by EPA in 2001 and 2002, EPA collected sediment samples and visited several U.S. mine and mill sites in the northern portion of the study area, including mines and mills along tributaries to the UCR, plus several additional mines and mills located in Republic, Washington to the west and along the Pend Oreille River to the east.

The ESIs and the Phase 1 RI (EPA, 2003b, 2006b, 2006c) documented sediment contamination along the UCR Site from the U.S. – Canada border to the Grand Coulee Dam. Hart Crowser (2013) conducted a soil sampling study in upland areas of the UCR Site as an initial assessment of surface and shallow subsurface conditions in the UCR Valley and demonstrated the presence of elevated heavy metal concentrations in the upper horizons of minimally disturbed soils. In a memorandum resolving disputes raised by TAI (EPA, 2017a), TAI agreed to prepare a technical assessment in response to EPA's Level of Effort (LOE) for Assessment and Estimations of Upland Soils (Background). Final Data Quality Objectives (DQOs) for the background evaluation were summarized in EPA (2018a). Based on these results, EPA concluded that both the smelter in Trail, B.C., and the former Le Roi Smelter in Northport, Washington, are sources of contamination to the UCR Site; however, the Trail smelter was identified as the "primary source of contamination" (EPA, 2003b). The mines and mills along the tributaries to the UCR

were not identified as current sources of contamination to the Site.[2] A removal assessment study was conducted at the Young America Mine (YAM; TechLaw Inc., 2012a) and at Bossburg Flat Beach (TechLaw, Inc., 2012b) which found no evidence that contamination moved down-river from the YAM mill impoundment. A removal action conducted at the YAM Site consolidated and capped the contaminated material (EPA, 2012a). Except for the Spokane River, Phase 1 sediment sampling by EPA (2005b) near the mouth of selected major UCR tributaries did not identify the presence of notably elevated COI concentrations indicative of major watershed sources of contamination from historical mine and mill sites. In addition, ESI sediment sampling by EPA (2003b) at the mouth of 110 tributaries to the UCR between RM 675 and the U.S. – Canada border did not identify the presence of elevated COI concentrations indicative of major watershed sources of contamination.

The following subsections provide summary information for the Teck facility in Trail, B.C., and the former Le Roi Smelter in Northport, Washington.

2.3.1 Trail, B.C., Teck Facility

The Teck facility in Trail, B.C., is located on the Columbia River approximately 10 miles upstream from the U.S. – Canada border. Smelter operations have been underway in Trail since 1896 (G3 Consulting, 2001a) to smelt copper and gold ores from the Rossland Mines (G3 Consulting, 2001b). On-site operations thermally extracted gold and copper from ore. At that time, roasting technology was crude and limited to the heap method where ore was piled up with cordwood and limestone intermixed and set aflame. With such crude processes, the smelter produced a matte of 50% copper (i.e., industrially worthless until further refined), while the lead, which was prevalent within local ores, could not be extracted. As a result, further refining was required at Heinze's refinery in Butte, Montana (www.crowsnest-highway.ca). The Spokane Falls & Northern Railway company was reluctant to transport the copper matte and offered an alternative to surrounding area mining companies willing to construct a smelter in Northport, Washington. The owners of the Le Roi Gold Mining Company of Spokane registered in the state of Washington in August 1897, and the Le Roi smelter (described in Section 2.3.2 below) was operational by February 1898 (www.crowsnest-highway.ca).

The resulting competition (i.e., lack of ore and manpower) temporarily halted smelting operations in Trail. On March 1, 1898, the Canadian Pacific Railway negotiated the purchase of the Trail smelter and associated railway rights and immediately began modernization activities. By July 1898, the facility, under the name Canadian Smelting Works, was tied into the West Kootenay power grid and by December of that year smelting operations were underway (Cominco, 2000). As the number of lead mines within the surrounding area (i.e., Canada and the western U.S.) grew, in 1901 lead furnaces were added to facility operations. The new furnaces were unsophisticated, however, and until 1902 the resulting impure bullion was transported to the American Smelting and Refinery Company's plant in Tacoma, Washington, for further processing. With the development of the Betts electrolytic process in 1902, the facility could

[2] Some of these mines and mills had localized contaminant concentrations that met EPA requirements for time-critical and non-time-critical removal actions. The following sites have been addressed under EPA's removal program: Anderson-Calhoun Mine and Mill, Bonanza Mill, LeRoi Smelter, Colville Post and Pole, Cleveland Mine and Mill, Josephine Mill No. 1, Grandview Mine and Mill, and Sierra Zinc Mine and Mill.

produce pure lead, fine silver, and gold. Recognizing the value of securing a source of ore and concentrate, Canadian Smelting Works began working toward the consolidation of surrounding area mines with the smelting facility. This consolidation process culminated in 1906, and the Canadian Smelting Works became known as the Consolidated Mining and Smelting Company of Canada (www.crowsnest-highway.ca). Zinc production began in 1916. By 1925, the facility consisted of a complex of structures housing a lead plant, an electrolytic zinc plant, a foundry, a machine shop, and a copper-rod mill (www.crowsnest-highway.ca). Fertilizer plants were built at the Trail smelter in 1930, facilitating the production of both nitrogen- and phosphorus-based fertilizers (MacDonald, 1997). The facility constructed and operated a heavy water plant from 1944 to 1955 (www.crowsnest-highway.ca).

The smelter was renamed Cominco in 1966 (G3 Consulting, 2001b). In addition to lead, zinc, cadmium, silver, gold, bismuth, antimony, indium, germanium, and arsenic, the Cominco facility also produced sulfuric acid and liquid sulfur dioxide (SO_2). Ammonia, ammonium sulfate, and phosphate fertilizers were produced at the plant until August 1994, at which time production of the phosphate-based fertilizer was terminated (MacDonald, 1997). In 2008, Teck Cominco changed their name to Teck Resources or Teck.

Major operations at the facility include primary smelting of zinc and lead concentrates and secondary smelting for production of a variety of metal products (e.g., antimony, bismuth, cadmium, cobalt, copper, germanium, gold, indium, mercury, silver, and thallium), arsenic products, granular and crystallized ammonium sulfate fertilizers, sulfur, sulfuric acid, SO_2, and ferrous granules (i.e., granulated slag) (EPA, 2003b).

While information regarding releases at the Teck Trail facility prior to the 1970s has not been provided, known discharges and emissions from the Trail facility, historic and current, that have relevance to the UCR Site include but are not limited to:

- Discharges of granulated slag to the Columbia River
- Liquid effluent discharges to the Columbia River
- Atmospheric emissions (stack and fugitive)
- Potential discharges to the Columbia River from surface water runoff
- Accidental spills and releases to the Columbia River from Trail facility operations

These emissions are described in detail in the HHRA work plan (SRC, 2009) and the RI/FS Work Plan (EPA, 2008).

2.3.2 Le Roi/Northport Smelter

The historic Le Roi/Northport Smelter (Le Roi) was located approximately 7 RMs downstream of the U.S. – Canada border in Northport, Washington. The Le Roi Smelter property encompasses approximately 32 acres and is accessed from the Northport-Waneta Road near Highway 25. The former smelter area occupied the eastern two-thirds of the property, and a former lumber mill occupies the remaining portion. The smelter buildings, which have been removed, included a furnace building, roaster building, and ore crushing mill (Heritage, 1981).

In 1892, D.C. Corbin, owner of the Spokane Falls and Northern Railroad, built a rail line to Northport, then consisting of a lumber mill and several tents. The railroad tracks were located adjacent to the Le Roi site. In 1896, Mr. Corbin donated the property to the Le Roi Mining and Smelting Company for the construction of the Breen Copper Smelter. In 1896, the Breen Copper Smelter began refining copper and gold ores from mines in northeast Washington, as well as copper ore from B.C., for the Le Roi Mining and Smelting Company. In 1901, the Le Roi Company smelting operations reorganized with the Red Mountain smelting operations to become the Northport Smelting and Refining Company (Northport Pioneers, 1981).

The copper and gold ore was processed by heap roasting, which involves open burning of the raw ore prior to placing it in a furnace. Some of the waste was formed into slag bricks that were then used as construction materials for on-site as well as off-site buildings. The gold and copper concentrate was shipped from the facility by rail for further refining. At the peak of operation (1908), preliminary estimates suggest that the Le Roi Smelter processed 500 tons of ore per day until operations were suspended in 1909 (Weston, 2005). In 1914, the Le Roi Smelter reopened to process lead ore from Silver Valley, Idaho, to meet government demand during World War I (Child et al., 2018). Lead smelting operations during this period produced up to approximately 30 tons per day of airborne sulfur emissions (Weston, 2004b). Slag was the main byproduct of smelting operation at the site. This material was sorted in piles at the facility or flumed to the river via underground launders (EPA, 2004d). Operations ceased permanently in 1921. The furnace, roaster, and crusher and ore buildings were removed from the site. From 1953 to 2001, the western portion of the site was used as a lumber mill; no wood treatment or chemical use was reported for this period of operation (Weston, 2004b).

Emissions from the Le Roi facility that have potential relevance to the UCR Site include:

- Discharges of slag to the Columbia River
- Drainage to the Columbia River from seepage and surface runoff of materials stored on-site
- Stack emissions
- Effluent discharge and accidental spills

From 1993 to 2004, the EPA conducted preliminary assessments, site inspections, and a removal site evaluation. Northport residential and commercial properties were identified in 2003 and 2004 for a removal action. Removal assessment activities included sampling of residential and commercial properties in and around the Northport community, sampling of public areas, and collecting drinking water samples from the municipal well located near the former smelter site. A removal action was conducted on the Le Roi property and in the town of Northport by EPA in 2004 (Weston, 2004b, 2005). Contaminated soils were consolidated at the smelter site (11-acre area), covered with a polyethylene sheet and clean soil, and vegetated.

2.4 Investigations and Response Actions

Numerous investigations have been conducted at the UCR Site to assess and evaluate potential contamination in surface water, sediment, soil, air, and biota. Operations at the Trail facility

began in 1896 and continue today. One of the changes to Trail facility operations was the cessation of granulated slag discharges to the Columbia River in mid-1995. Additionally, the KIVCET[3] (which stands for "oxygen, vortex, cyclone and electrothermic," in Russian) smelter installation in 1997 and subsequent operational improvements led to a significant reduction in stack lead emissions (Teck, 2017). Therefore, a cut-off date of 2002 was utilized for all environmental data sets evaluated for use in the HHRA (i.e., no data collected prior to 2002 were used in the HHRA).

Summaries of the findings and recommendations of EPA ESIs conducted in 2001 and 2002 are provided in the following reports:

- EPA, 2001b (2001 Sediment Investigation Trip Report, Upper Columbia River/Lake Roosevelt Expanded Site Inspection. December 2001. Prepared by Roy F. Weston Inc. for EPA Region 10, Seattle, WA)
- EPA, 2002c (Preliminary Assessments and Site Investigations Report, Lower Pend Oreille River Mines and Mills, Pend Oreille County, Washington. April 2002. Prepared by Ecology and Environment, Inc. for EPA Region 10, Seattle, WA)
- EPA, 2002d (Preliminary Assessments and Site Inspections Report, Upper Columbia River Mines and Mills, Stevens County, Washington. October 2002. Prepared by Ecology and Environment, Inc. for EPA Region 10, Seattle, WA)
- EPA, 2003b (Upper Columbia River Expanded Site Inspection Report, Northeast Washington. March 2003. Prepared by Ecology and Environment, Inc. for EPA Region 10, Seattle, WA)
- EPA, 2004e (Hecla Knob Hill Mine Site Inspection Report, Ferry County, Washington. July 2004. Prepared by Weston Solutions, Inc. for EPA Region 10, Seattle, WA)
- EPA, 2004f (South Penn Mine Site Inspection Report, Ferry County, Washington. September 2004. Prepared by Weston Solutions, Inc. for EPA, Region 10, Seattle, WA)
- EPA, 2004g (Mountain Lion Mine Site Inspection Report, Ferry County, Washington. September 2004. Prepared by Weston Solutions, Inc. for EPA, Region 10, Seattle, WA)
- EPA, 2004h (Republic Mine and Mill Combined Preliminary Assessment/Site Inspection Report, Ferry County, Washington. July 2004. Prepared by Weston Solutions, Inc. for EPA, Region 10, Seattle, WA)

Additional investigations that provided the data used in the HHRA include:

- Fish tissue sampling in 2005, 2009, 2016, and 2018 (CH2MHill, 2007; Exponent, 2013a; TAI, 2013a; CH2MHill, 2016b; Windward Environmental LLC [Windward], 2017a, 2018; TAI, 2018)
- Surface water sampling in 2009 and 2010 (Exponent, 2013b)

[3] http://www.totalmateria.com/page.aspx?ID=CheckArticle&site=ktn&NM=366.

- Public beach sediment and soil sampling in 2005, 2009, 2010, 2011, 2013 (reanalysis), and 2015 (EPA, 2005b, 2006b, 2006c, 2013b; TAI, 2010b, 2014a, 2016a)
- Outdoor air monitoring data collected from 2002 through 2009 by Teck (CH2MHill, 2015; Washington State Department of Ecology [ECY], 2017a)
- Upland and relict floodplain soil sampling in 2014 and 2015 (TAI, 2015a, 2015b, 2016a)
- Residential soil sampling (including residential beaches[4]) in 2014 and 2016 (CH2MHill, 2016a; TAI, 2016b, 2017a)
- Macroinvertebrate sampling in 2016 (Exponent et al., 2016; Windward, 2017b)
- Wild/cultural plant sampling conducted in 2018 (TAI, 2019a)

Removal actions that have been conducted and access restrictions that have been implemented at the Site include:

- Sediment removal action at Black Sand Beach in 2010 (TAI, 2011b). This voluntary action was conducted by Teck under ECY oversight. The beach sediment used in the calculation of the exposure point concentration (EPC) for this beach was collected in 2009, before the removal action; however, the 2009 data were the only sediment data available for this beach.
- Bossburg Flat Beach and Upland refined sediment and soil sampling conducted by Teck under EPA oversight. Bossburg Flat Beach and Upland Area was closed in 2012 by DOI NPS (NPS, 2012) because of elevated levels of lead found in beach sediment and upland soil samples (TAI, 2015b).
- Young American Mill site removal action in 2012 conducted by EPA Removal Program.
- Mine and mill risk reduction actions conducted at Anderson-Calhoun in 2010,[5] Sierra Zinc in 2001 and 2002,[6] Van Stone in 2017,[7] and Bonanza Mine in 2002.[8]
- Time Critical Removal Actions (TCRAs) and Voluntary Removal Actions (VRAs) on 28 decision units (DUs) from the 2014 and 2016 residential soil sampling area as of June 20, 2019 (20 from the 2014 sampling, 6 from the 2016 sampling, and 2 sampled in 2018). These DUs are listed in Table 2-3. The TCRAs and VRAs were conducted by Teck under EPA oversight. For DUs where a removal was conducted, the maximum measured concentration of each COPC in backfill used during that removal action was used as the soil EPC in risk calculations (Table 3-12). The COI screen and risk calculations in this HHRA include TCRA or VRA DUs at their post-removal concentrations. In addition, three DUs are part of the Soil Amendment Technology Evaluation Study. For these DUs

[4] The term "residential beach" is used in this HHRA to mean a beach on private property that was sampled as part of the 2014 or 2016 Residential Soil Study.
[5] https://response.epa.gov/site/site_profile.aspx?site_id=6194.
[6] https://www.dnr.wa.gov/Publications/ger_ofr2003-20_iaml_sierrazinc.pdf.
[7] https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=461;
https://www.dnr.wa.gov/Publications/ger_ic100_iaml_vanstone.pdf.
[8] https://www.dnr.wa.gov/Publications/ger_ic109_iaml_bonanza.pdf.

(258, 401, and 441), the original measured concentration and bioavailability data were used in this HHRA, since the study is in progress.

Consumption evaluations conducted for biota harvested at the Site include:

- WDOH evaluated fish tissue data from the 2009 fish tissue sampling event (https://www.doh.wa.gov/Portals/1/Documents/Pubs/334-317.pdf) (WDOH, 2012)
- WDOH evaluated white sturgeon tissue data collected from the UCR in 2016 (WDOH, 2018a)
- WDOH evaluated macroinvertebrate (crayfish and mussel) tissue data collected from the UCR in 2016 (WDOH, 2018b)
- WDOH evaluated northern pike tissue data collected from the UCR in 2018 (WDOH, 2019)

2.5 Basis for Human Health Concern

Smelting operations generate wastes that contain elevated levels of metals. The Teck smelter is a source of contamination to the UCR. Elevated concentrations of metals that are related to smelting operations have been measured in biotic and abiotic media in the UCR recreational areas, surrounding residential communities, and upland areas. Excess exposure to these metals may cause a range of adverse non-cancer and cancer health effects in humans.

2.6 Site-Specific Chemical Data to be Utilized in the Human Health Risk Assessment (HHRA)

For this Site-wide HHRA, the Site-specific data collected by EPA and TAI listed above were utilized as outlined below. Data collected from the UCR, residential, and non-residential areas are briefly described below and are summarized in Tables 2-4 through 2-21. A discussion of how these data were used for calculation of EPCs in the HHRA is presented in Section 3.3.

2.6.1 Surface Water

The source of the surface water data that were utilized in the HHRA is the 2009/2010 Surface Water Study conducted as part of the RI/FS for the Site (Exponent, 2013b). While surface water data were available at the time that the HHRA work plan (SRC, 2009) was developed, those data were not representative of disturbed conditions that are more relevant for assessing human exposure. Additionally, surface water data were needed to represent current conditions, provide representative spatial coverage of the UCR Site, and evaluate seasonal variability in surface water conditions throughout the UCR Site. To fill these data gaps, surface water samples were collected in 2009 and 2010 from transects spatially distributed along the UCR to support the HHRA and BERA (Figure 2-4). The study focused on spatially representative reaches of the UCR collected during time periods that represented extreme flow and water level conditions. Three discrete rounds of sampling were conducted to assess surface water concentrations of COIs under various river conditions. The first round of samples was collected between September 1 and October 20, 2009, during high pool, low flow river conditions. The second round of sampling was conducted from February 23 to April 19, 2010 during low pool, low flow

river conditions. The third round of sampling occurred between April 24 and June 17, 2010 during rising pool, high flow river conditions.

Transects 1, 8, and 9 were located within UCR Reach 1; for all other UCR reaches, there was one transect per reach. Four types of samples were collected along each transect. Single-point, near surface samples (1 m below water surface) were collected at two to four locations along each transect. Single-point, near bottom samples (approximately 1 m above the river bottom) were collected along each transect at the same locations the near-surface samples were collected. Undisturbed, single-point nearshore samples were collected near the right and left riverbank along each transect. Samples were collected from the middle of the water column in water approximately 0.5 m deep. Disturbed nearshore samples were collected at each end of each transect from approximately 0.25 m below the water surface following sediment disturbance that would reflect shallow water (1 m deep) play during recreation or other nearshore human activity. Triplicate samples (a primary sample and two field replicates) were collected at each disturbed sampling location.

All surface water samples were submitted for analysis of total (unfiltered) and dissolved (filtered) Target Analyte List (TAL) metals[9] plus molybdenum, uranium, and organic carbon. Some surface water samples were also submitted for analysis of total and dissolved other metals and metalloids[10]. The following groups of analytes were analyzed in unfiltered surface water samples:

- Organic compounds (pesticides, semi-volatile organic compounds [SVOCs], polycyclic aromatic hydrocarbons [PAHs], polychlorinated biphenyls [PCBs] as congeners, and polybrominated diphenyl ethers [PBDEs])
- Conventional parameters (hardness as calcium carbonate [$CaCO_3$] and total suspended solids [TSS], both disturbed and undisturbed samples; alkalinity as $CaCO_3$, total dissolved solids, TSS, pH, sulfate, chloride, fluoride, and silica [as dissolved silicon dioxide, SiO_2], undisturbed samples only)
- Stable isotopes of water (deuterium and oxygen-18)
- Radionuclides (uranium-238 and radium-226)
- Field measurements (water depth, temperature, pH, dissolved oxygen, conductivity, turbidity, and oxidation-reduction potential)

Table 2-4 summarizes the number of samples by reach and analyses conducted on total and dissolved disturbed surface water samples. Field replicates were not included in the sample number count. Primary samples with field replicate results (duplicate and triplicate samples)

[9] TAL metals: aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc. Arsenic was analyzed using two methods in most samples: EPA1632 (reported as "Inorganic Arsenic"), and EPA 6020 (total arsenic reported as "Arsenic").

[10] Metalloids include: bismuth, boron, cerium, cesium, dysprosium, erbium, Europium, fluoride, gadolinium, gallium, germanium, gold, holmium, indium, lanthanum, lithium, lutetium, molybdenum, neodymium, niobium, praseodymium, rubidium, samarium, scandium, strontium, tantalum, tellurium, terbium, thorium, thulium, tin, titanium, tungsten, ytterbium, yttrium, and zirconium.

were reduced to a single sample result as described in Section 2.7 and as per the Data Management Plan (DMP) (TAI, 2019b). Lab replicates and sample results that were rejected ("R" qualified) were also not included in the sample number count.

2.6.2 Solid Media

As discussed in Section 2.2, the Site encompasses multiple communities near the UCR, the Colville Reservation and Spokane Reservation, commercial forests, and undeveloped public land. Soil and sediment data have been collected from the UCR Site during multiple sampling events. Site-specific soil data were collected by TAI in the 2014 and 2016 Residential Soil Studies (TAI, 2015a, 2017a) and by EPA in the 2014 Upland Soil Study (CH2MHill, 2016a). Soil samples were also collected from soil DUs near Bossburg Flat beach (TAI, 2016a). Relict floodplain deposition areas (RFDAs) were sampled as part of the Upland Soil Study (TAI, 2015a) and along with the soil samples collected near Bossburg Flat Beach are evaluated herein as "beach soil."

The sources of sediment data for public beaches were the Phase I 2005 Sediment Sampling Investigation (EPA, 2006c), the 2009 Beach Sediment Study (samples collected in 2009, 2010, and 2011) (TAI, 2014a, 2017b), and the 2015 Bossburg Flat Beach Refined Sediment and Soil Study (TAI, 2016a). Some of the archived samples collected in 2011 were re-analyzed for lead, arsenic, and *in vitro* bioavailability (IVBA) lead concentrations in the less than (<) 250 micrometer (µm) size fraction in 2013 (EPA, 2013b). Residential beach sediment data were collected as part of the 2014 and 2016 Residential Soil Studies (see Sections 2.6.2.6 and 2.6.2.7). A detailed description of these sediment data can be found in Table 2-5.

Each of these studies is described separately below.

2.6.2.1 Phase I 2005 Sediment Sampling Investigation

Several different types of sediment samples were collected by EPA in 2005: baseline sediment samples, sediment core samples, and beach sediment samples (EPA, 2005b, 2006b, 2006c). The baseline sediment samples were collected to better define the current nature and extent of COIs over the length and width of the UCR between the U.S. – Canada border and Grand Coulee Dam. The sediment core samples were collected to characterize vertical variations in COI concentrations within the upper sediment column and to establish the apparent thickness of the contaminated sediment layer. The objective was to be able to assess the potential for future remobilization of COIs in known or suspected scour zones, or the rate of sediment accumulation in non-scour zones. Beach sediment samples were collected from a series of 15 "high use" beaches prioritized by managers from DOI, ECY, CCT, and STI, and distributed throughout the UCR study area. These samples were considered usable for the HHRA. However, only three of the beaches sampled in 2005 warranted further study based on a screening level risk assessment conducted by EPA Region 10 (EPA, 2006d): Black Sand Beach, Northport, and Dalles. These beaches were re-sampled in the 2009-2011 sampling event described below. The 2005 beach sediment sample results were not included in the EPC calculations for this HHRA, as they were not sieved to a grain size representative of human exposure to sediment and more recent data were available for the beaches identified as needing additional study, though they were included in the COI screen.

2.6.2.2 2009-2011 Beach Sediment Study

Three rounds of beach sediment field sampling activities were performed in September 2009, April 2010, and April and May 2011 (TAI, 2014a). The primary objective of the study was to collect additional sediment data to characterize potential risks to humans and the environment. Sediment samples were collected from 33 beach areas (Table 2-6, Figure 2-5).

The September 2009 field event targeted five beaches located within the uppermost reaches of the UCR: Black Sand Beach, Upper Columbia R.V. Park, Northport Beach, Onion Creek, and Dalles Orchard. Samples were successfully collected at the Black Sand Beach[11] and Upper Columbia R.V. Park, but conditions at the other three beaches were not conducive to sample collection. High water levels and substrate issues (presence of cobbles and bedrock) prevented collection of fine-grained beach sediment at Northport Beach, Onion Creek, and Dalles Orchard.

Surface sediment samples (0 to 15 cm) were collected from 60 discrete locations randomly distributed throughout each beach between the water's edge and the maximum beach elevation. The 60 discrete samples were randomly composited into five samples (12 randomly assigned sampling locations were composited into a single surface sediment sample). The composite surface sediment samples were used to evaluate exposure to recreational and occupational populations. Five randomly assigned subsurface sediment cores were also collected from each beach. Core samples were collected at the following depth intervals: 0-15, 15-45, and 45-75 cm. The core samples were collected to evaluate potential effects on receptors who may come in contact with deeper sediment (outdoor workers).

In April of 2010, samples were collected at two beaches located within the uppermost reach of the UCR (Northport Beach and Dalles Orchard), and three beaches located below the uppermost reach of the UCR (Summer Island, Barnaby Island Campground, and China Beach). The sampling design for Dalles Orchard and Northport beach was modified to only collect 3 composites comprised of 12 samples because areas with fine grained sediment were very small; 5 composites of 12 samples were collected at the other 3 beaches. Five subsurface sediment cores were also collected at each beach.

In April and May 2011, sediment samples were collected from 26 beaches located throughout the UCR from the Swimming Hole to Crescent Bay. At 3 of the beaches (Kamloops Island, Crescent Bay and Swimming Hole), 5 composite samples comprised of seven samples per composite were collected; 5 composites consisting of 12 samples each were collected at the other 23 beaches. Five subsurface sediment cores were collected at each beach.

Whole sediment samples were submitted for grain size analysis. All sediment samples were sieved to <2 millimeters (mm). Sieved surface composite samples were submitted for analysis of pH, total organic carbon (TOC), total sulfides, percent moisture, and TAL metals plus uranium. One surface sediment composite from each beach was randomly selected and further sieved into four size fractions: <2 mm to 250 µm, <250 to 125 µm, <125 to 63 µm, and <63 µm. Analyses for TAL metals, elemental uranium, and IVBA of arsenic and lead were conducted on each of these finer fractions. The relationship between particle size class and metals concentration in the

[11] It should be noted that samples were collected from Black Sand Beach as part of the 2009 Beach Sediment study, which was followed by a removal action in Fall 2010 (TAI, 2011b).

fractioned sample was used to estimate the metals concentrations in the <250 µm size fraction of the other 4 samples. IVBA results for arsenic and lead were used to calculate RBA-adjusted arsenic and lead concentrations.

Core sediment samples were sieved to <2 mm and submitted for analysis of pH, TOC, total sulfides, percent moisture, TAL metals plus uranium, radionuclides, PCB Aroclors, pesticides, SVOCs, and PAHs. PCB congeners, dioxins/furans, and PBDEs were analyzed in samples with TOC >1%. While core sediment samples were used in the COI screen for subsurface sediment, they were not included in EPC calculations for this HHRA as they were not sieved to a grain size representative of human exposure to sediment.

The calculated <250 µm composite surface sediment sample results were used to evaluate exposure to surface sediment COPCs during recreational or occupational activities in this HHRA. Table 2-6 summarizes the number of samples and laboratory analyses conducted by beach. Field replicates were not included in the sample number count. Primary samples with field replicate results (duplicate samples) were reduced to a single sample result as described in Section 2.7 and per the DMP (TAI, 2019b). Laboratory replicates and sample results that were rejected ("R" qualified) were not included in the sample number count as they were not utilized in this HHRA.

The <2 mm composite surface sediment sample results were used in the waterfowl uptake models to estimate tissue concentrations in waterfowl in Appendix 1. Primary samples with field replicate results (duplicate samples) were reduced to a single sample result as described in Section 2.7 and as per the DMP (TAI, 2019b). Lab replicates and sample results that were rejected ("R" qualified) were not included in the sample number count as they were not utilized in this HHRA.

2.6.2.3 2013 Beach Sediment Re-Analysis

In the 2009-2011 Beach Sediment Study, five composite samples were collected at each beach. As described above, 4 of the samples were sieved to <2 mm and 1 was sieved into smaller size fractions. In 2013, EPA requested that the archived samples collected from Bossburg Flat, Evans Campground, Swimming Hole, Flat Creek and Lyons Island be reanalyzed to verify that results based on estimated <250 µm means were comparable to measured results for sediment sieved to <250 µm. These archived samples were sieved to <250 µm and submitted for analysis of lead, arsenic, and IVBA of lead (EPA, 2013b). If a sample was sieved to <250 µm and reanalyzed in 2013, the result reported by the lab in 2013 was used in lieu of the calculated result. For arsenic, because IVBA of arsenic was not analyzed in 2013, the calculated <250 µm IVBA result from 2011 was used to adjust the measured arsenic concentration analyzed in 2013.

2.6.2.4 2015 Bossburg Flat Beach Refined Sediment and Soil Study

Elevated lead concentrations (>1,500 milligrams [mg] per kilogram [kg]) were found in samples collected from Bossburg Flat Beach (RM 716) and Evans Campground Beach (RM 710) during the 2009 Beach Sediment Study, as described in the beach study data summary report (TAI, 2014a). Bossburg Flat Beach was closed by the NPS on January 10, 2012 in response to environmental sampling information provided to NPS by the EPA, which indicated that lead and arsenic levels in this area may be a risk to human health (NPS, 2012). This beach area remains closed today. Subsequent investigations at the adjacent Young America Mine and Mill site also

identified elevated lead concentrations (TechLaw Inc., 2012a, 2012b). To investigate further, TAI collected samples from nearshore sediment and soil at the former cable ferry landings near the Young America Mine and Mill site, Bossburg Flat Beach and Evans Campground Beach as described in the Quality Assurance Project Plan (QAPP; HDR et al., 2015a, 2015b) (Tables 2-6 and 2-7; Figures 2-6 and 2-7).

Ten sediment samples were collected using incremental composite (IC) sampling methods (Interstate Technology & Regulatory Council [ITRC], 2012) within selected sediment DUs (SDUs); four nearshore SDUs at Bossburg Flat Beach, three nearshore SDUs at Evans Campground Beach, and three nearshore SDUs on the west side of the UCR near the former cable ferry landing. IC samples were collected at a depth of 0-15 cm. Triplicate IC samples were collected at four SDUs (Bossburg: SD02, SD03; Evans: SD06, SD07). Three sediment cores were collected at all SDUs except SD09 and SD10. Samples were collected from each of the cores at the following depth intervals: 0-15, 15-30, and 30-45 cm.

Two areas associated with the former cable ferry landings were designated for collection of sediment samples (F-01 and F-02). Samples could only be collected near the former cable ferry landing on the east bank of the UCR (F-01). The area around F-01 was sampled in 2012 during the removal assessment for Bossburg Flat Beach. Lead concentrations in sediment ranged from 456 to 24,463 mg/kg (Techlaw Inc., 2012b). Because of cultural sensitivities, no samples were collected from the west bank area. Three sediment cores were collected at F-01. Samples were collected from each of the cores at the following depth intervals: 0-15, 15-30, and 30-45 cm (TAI, 2016a).

Six soil samples were collected using IC sampling methods within upland DUs (UDUs) at Bossburg Flat Beach: samples UDU-01 through UDU-05 were collected near Bossburg Flat Beach and sample UDU-06 was collected on the west side of the UCR near the former cable ferry landing (Table 2-7, Figure 2-6). IC samples were collected at a depth of 0-15 cm. Triplicate IC samples were collected at one UDU (UDU-04). Three core samples were collected at all UDUs at the following depth intervals: 0-15, 15-30, and 30-45 cm.

All samples were homogenized and sieved into two fractions: <2 mm and either <250 µm (sediment) or <149 µm (soil). Samples were submitted for analysis of TAL metals in both the <2 mm and <250 µm/<149 µm fractions and for IVBA for lead and arsenic in the <250 µm/<149 µm fraction (EPA, 2016c). Grain size, pH and percent solids were measured on the bulk sediment samples before sieving, and TOC was measured in the <2 mm fraction.

The <250 µm IC sediment sample results were used to evaluate exposure to surface sediment (0 to 15 cm) COPCs during recreational or occupational activities in the HHRA. The <250 µm sediment and <149 µm beach soil core sample results were used to evaluate exposure to subsurface sediment and beach soil (0-45 cm) COPCs during occupational activities in the HHRA. The <149 µm IC soil sample results were used to evaluate exposure to beach surface soil (0 to 15 cm) COPCs during recreational or occupational use. Table 2-6 summarizes the number of sediment samples and laboratory analyses conducted by SDU. Table 2-7 summarizes the soil data collected in this study. Field replicates were not included in the sample number count. Three IC samples (a primary sample and two field replicates) were collected at four SDUs (two at Bossburg Flat Beach and two at Evans Campground Beach) and one UDU and were utilized in

the HHRA non-lead analysis as individual samples. Lab replicates and sample results that were rejected ("R" qualified) were not included in the sample number count as they were not utilized in this HHRA.

The <2 mm composite surface sediment sample results were used in the waterfowl uptake models to estimate tissue concentrations in waterfowl in Appendix 1.

2.6.2.5 2014 Upland Soil Study

Soil data for the Site were collected between September 8 and October 23, 2014 from upland areas adjacent to the UCR to fill data gaps for the BERA and the Site-wide HHRA as described in the QAPP (TAI, 2014b). These data gaps included upland areas potentially affected by aerial deposition of smelter particulates (Aerial Deposition Areas [ADAs], each approximately 25 acres in size), historical fluvial deposition of sediment onto relict floodplains (evaluated as "beach soil" herein), re-deposition of windblown sediment (Windblown Sediment Deposition Areas), and parameters needed to evaluate RBA of metals. ADAs and RFDAs in relict floodplains were targeted for both HHRA and ecological risk assessment (ERA), and soils were sieved to <2 mm and <149 µm. Windblown Sediment Deposition Areas were targeted only for ERA (EPA, 2012b) and were not sieved to a grain size representative of human exposure to soils. As such, soil data from the Windblown Sediment Deposition Areas were not included in the HHRA and are therefore not included in the remainder of this summary.

Three ADA sampling areas were delineated, as shown in Figure 2-8. *Primary* ADAs were in the northernmost 100 mi^2 of the Site, extending south from the U.S. – Canada border. Within that area, *high-density* ADAs were located within a 23-mi^2 corridor along the UCR immediately downstream of the U.S. – Canada border. The ADA high-density area was designated for more extensive sampling because of the perceived likelihood of higher historical deposition rates in that area. *Reserve* ADAs, collected to mitigate sample collection challenges in specific areas (e.g., impassable roads, flooding, rocky outcrops, lack of landowner permission, steep terrain), were collected from a 16-mi^2 area east of the ADA primary area. ADA samples were used in the HHRA.

Soil samples were collected using IC sampling methods (ITRC, 2012) within specifically selected ADAs. Details regarding the selection of ADAs within these sampling areas are found in the QAPP (TAI, 2014b); samples were not collected within 50 m of roads or railways, or within no-sample buffer zones established for active and abandoned mine sites.[12] As shown in Table 2-8, 142 ADAs were sampled. Samples were collected from the top 7.5 cm of soil at 30 increment locations randomly located within each ADA, and at 90 increment locations within the ADA if the ADA was sampled in triplicate.[13] Once all increments were collected within an ADA, they were composited into one sample for laboratory analysis. Soil samples for HHRA from ADAs were sieved using a No. 100 sieve, which has a mesh size of 149 µm. Three IC samples (a primary sample and two field replicates) were collected at 16 ADAs and were utilized

[12] A 500-m no-sample buffer zone was established for mine sites within ADAs that were sampled as part of the START-2 assessment (START-2, 2002). A 100-m no-sample buffer zone was established around other known mine sites in the vicinity of the Site, including those identified as "producer," "past producer," "occurrence," "prospect," or "unknown."

[13] At ADA-101, only 15 increments were collected due to steep terrain.

in the HHRA non-lead analysis as individual samples. EPA field splits were collected at 18 ADAs but were not utilized in the HHRA. Lab replicates and sample results that were rejected ("R" qualified) were also not utilized in the HHRA.

Composite soil samples were analyzed for TAL metals,[14] molybdenum, and IVBA. Laboratory analysis was done on the <149 µm and on the <2 mm fractions of soil. IVBA analyses were performed on 20% of soils from ADAs that had lead concentrations >100 mg/kg. Data are summarized in the Final Soil Study Data Summary Report (DSR; TAI, 2015a). The <149 µm ADA sample results were used to evaluate potential future residential exposure to surface soil and to evaluate tribal exposure to surface soil COPCs in Appendix 2. Only IVBA results for arsenic and lead were used in the HHRA because reliable models to convert IVBA to RBA are not available for other metals.

Relict floodplains are areas that may have been flooded under past UCR flow conditions but are not expected to be inundated under current pool level management controls (TAI, 2015a). As such, exposure to surface soil ("beach soil") samples collected from these areas was evaluated as exposure to soil. The relict floodplain is the delineated area between high-pool seasonally inundated lands and the maximum pre-1973 strandline. The five largest relict floodplain areas (ranging from 0.13 mi^2 to 0.42 mi^2) are located near Northport, Washington and were targeted for sampling in 2014. Because of lack of access, no samples were collected from one of the five relict floodplains (RFE), and not all targeted samples were collected from RFB, RFC, and RFD. Figure 2-9 shows the location of the relict floodplains sampled in 2014.

A total of 29 RFDAs were targeted for sampling, with 3 to 9 RFDAs selected per relict floodplain. Sixteen RFDAs were sampled using IC sampling. Samples were collected from the top 7.5 cm of sediment at 30 increment locations randomly located within each RFDA, and at 90 increment locations within the RFDA if the RFDA was sampled in triplicate. Three IC samples (a primary sample and two field replicates) were collected at four RFDAs (one from each of the relict floodplains sampled) and were utilized in the HHRA non-lead analysis as individual samples. Prior to sieving, an aliquot was taken from each IC sample for analysis of grain size and pH. The remaining sample was sieved to <2 mm and <149 µm and submitted for analysis of total solids and TAL metals plus molybdenum. Three of the samples with lead concentrations >100 mg/kg were selected for IVBA analysis. Table 2-9 summarizes the RFDA soil samples collected in 2014 and used in the HHRA. The <149 µm composite RFDA surface soil sample results were used to evaluate exposure to beach soil COPCs during recreational activities. The <2 mm composite surface soil sample results were used in the waterfowl uptake models to estimate tissue concentrations in waterfowl in Appendix 1.

2.6.2.6 2014 Residential Soil Study

Rural residential properties within the northernmost reaches of the Site (north of the town of Northport to the U.S. – Canada border) were sampled by EPA in 2014 to collect surface soil and beach sediment data to support the HHRA as described in the QAPP (SRC, 2014a). Landowners in the area were contacted and provided access agreements to allow EPA to perform sampling.

[14] TAL metals include aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc (EPA, 2015a) (see http://www.epa.gov/superfund/programs/clp/ismtarget.htm).

EPA conducted field reconnaissance of each residential property with a signed access agreement during the weeks of April 28 and May 12, 2014, to derive property-specific sampling designs. Property owners were interviewed, and exposure areas were defined and mapped according to current and potential future land use, physical property boundaries, and the predicted depth of exposure to potentially contaminated soils. Residential parcels in the soil sampling area were quite large (mean size is 16 acres; range of 0.06 to 158 acres); as such, sampling was focused on locations where there was a high potential for exposure to soil by residents, especially children. Seventy-four properties were sampled between August 18 and October 3, 2014 (Figure 2-10; CH2MHill, 2016a).

The number and location of DUs on each residential property ranged from 1 to 15 (mean = 3) and were based on property size and the likelihood of soil exposure as determined through Site visits, interviews with landowners, and review of aerial photography (CH2MHill, 2016a). Distinct play areas, immediate areas around houses, driplines, gardens, beaches, agricultural areas, and animal pens/riding areas were delineated as separate DUs. Beach IC sample locations were delineated in the field based on water elevation at the time of sampling and interviews with property owners regarding their use of the beach; 15 beach DUs were sampled in 2014. Other frequently used areas were assigned to an "other – not specified" DU category (including tribal allotments which are evaluated in Appendix 1). Areas near paved roadways and railways were avoided, with a 50-foot buffer in both directions from the centerline, and other than driplines, DUs were located to avoid the influence of painted surfaces. The boundaries for each DU were delineated based on land use and geographic positioning system (GPS) data collected during the property visit.

Two types of solid media samples were collected from residential DUs: IC surface samples and discrete (core) samples. IC samples were collected according to methods described above for the Upland Soil Study and outlined in ITRC (2012), and sample depth bgs was based on DU type. In general, IC samples were taken at a depth of 0-2.5 cm bgs starting below the organic litter or sod (EPA, 2003c). Exceptions to this rule included gardens (sampled to tilled depth, which was typically 0-30 cm bgs), disturbed (animal activity) areas (sampled 0-8 cm bgs), beaches (sampled 0-15 cm bgs), and tribal allotments (sampled 0-8 cm bgs). For DUs >1,000 square feet, three IC samples (a primary sample and two field replicates) consisting of 30 increments each were collected. DUs <1,000 square feet had only one IC sample (of 30 increments) collected. For duplicate types of DUs on a property, only one triplicate IC sample was collected (e.g., if there were two gardens on a property, one had three IC samples collected, and one had one IC sample [30 increments] collected).

Increments were located using systematic random sampling with a rectangular grid overlaying the DU and a random starting point. Planned increments located in compacted gravel, other non-soil materials, or obstructions were moved as described in the DSR (CH2MHill, 2016a). Beach IC sample locations were delineated based on water elevation and interviews with property owners as described above. Dripline sample locations were delineated in the field based on field observations.[15] Once all increments were collected within a DU, they were composited into one sample (or three samples, if the DU was sampled in triplicate) for laboratory analysis. Soil

[15] Dripline samples were not utilized in the HHRA.

samples were sieved using a No. 100 sieve with a mesh size of 149 µm for all DUs except beaches; beach sediment samples were sieved to a mesh size of <250 µm.

Discrete (core) samples were collected from approximately 1 DU per property from a depth of 2.5-15 cm bgs; in most cases, 5 discrete samples were collected in the DU closest to the house (the location of the 5 samples was randomly selected). Discrete solid media samples were sieved to the same mesh size as IC samples (either <250 µm for beach sediment or <149 µm for surface soils). In all, 235 DUs were sampled; from those DUs, 541 IC samples and 402 discrete samples were collected (Table 2-10). The IC surface soil sample results from all DU types except driplines, residential beaches, and tribal allotments were used to evaluate residential exposure to surface soil COPCs. Tribal allotment IC surface soil results were used to evaluate tribal exposure to surface soil COPCs in Appendix 1. Table 2-11 includes a summary of the beach sediment samples collected in 2014 that were used in the HHRA. The <250 µm composite surface sediment sample results were used to evaluate exposure to surface sediment COPCs during recreational and tribal activities (one beach DU was located on a tribal allotment; see Appendix 1) and to estimate uptake by waterfowl in Appendix 1. Discrete sample results were not utilized in this HHRA because these samples were collected to provide information on the vertical nature and extent of contamination and not to evaluate human exposure.

Three IC samples (a primary sample and two field replicates) were collected at 153 DUs (including all 15 beach DUs) and were utilized in the HHRA non-lead analysis as individual samples. EPA field splits were collected as well but were not utilized in the HHRA. Lab replicates and sample results that were rejected ("R" qualified) were also not utilized in the HHRA.

Samples were analyzed for total solids and TAL metals (except mercury). IVBA of arsenic and lead analyses were performed on a subset of IC samples in accordance with the QAPP (SRC, 2014a and 2014b):

1. DUs with a maximum lead concentration greater than or equal to (≥) 100 parts per million (ppm) or a maximum arsenic concentration ≥20 ppm were eligible for IVBA analysis. If more than 1 DU of the same type on a given property were potentially eligible, the DU with the maximum lead concentration was selected as the eligible DU.
2. One IC sample was selected for IVBA analysis from each of the eligible DUs. For DUs with more than one IC sample, the soil sample was randomly selected.
3. In addition, all IC samples with relative percent differences for lead or arsenic concentration >30% were selected for IVBA (SRC, 2014b).

This process selected 122 IC samples from 114 DUs for IVBA analysis (36 DUs had field triplicate IC samples collected and analyzed for IVBA of arsenic and lead). Laboratory analyses and Quality Assurance/Quality Control (QA/QC) procedures, as well as analytical results, are described in detail in the DSR (CH2MHill, 2016a). Each DU had either one or three composite soil samples collected from it.

Twenty DUs sampled in 2014 had lead concentrations that triggered TCRAs or VRAs; 18 DUs were remediated as TCRAs in 2015, and 2 DUs were remediated as VRAs in 2017-2018 (see

Appendices 6 and 7 for more information). These DUs, shown in Table 2-3, were evaluated in this HHRA using the maximum COPC concentrations in backfill as of data received on June 20, 2019.

2.6.2.7 2016 Residential Soil Study

Based on results of the 2014 Residential Soil Study, EPA directed TAI to collect additional solid media samples from rural residential properties within and downstream of the 2014 study boundary with the objective of supporting the HHRA (EPA, 2015b, 2015c; TAI, 2016b). As in 2014, properties sampled were identified through voluntary participation. Field reconnaissance was conducted from April 25 through May 19, 2016, to gather information on property use and potential exposure areas, as well as features to be excluded from sampling (e.g., areas that have been excavated or filled, trash burning areas, driveways). Soil sampling took place on 114 properties between August 2 and September 25, 2016 (Figure 2-11).

There were 452 DUs identified through the procedures described in the QAPP (TAI, 2016b). Most properties had one "house" DU that encompassed up to 1 acre immediately surrounding a house or cabin present on the property; other DUs were delineated for driplines, play areas, gardens, agricultural areas, animal/livestock areas, beach areas, and "other" areas (including tribal allotments). Seven residential beach DUs were sampled in 2016. Eight properties (19 DUs) sampled were undeveloped tribal allotments. As with the 2014 residential soil sampling, care was taken to avoid areas potentially influenced by lead paint (other than driplines), roads, driveways, and other areas that might interfere with sampling and data interpretation (TAI, 2017a). One DU (172-O1) may have been used historically as a small ore mill or ore stockpiling site (Roland, 2019). Given the likelihood that lead and other metals found in the surface soil at this DU may be related to previous use and not aerial deposition, this DU was excluded from analyses in the HHRA.

Two types of samples were collected: IC samples from at least one DU per property, and discrete (core) samples from a subset of DUs. IC samples were collected from each DU as described for the 2014 residential soil sampling and in TAI (2017a). Increments for each IC sample were collected from 30 pre-determined locations within the DU; at DUs designated for the collection of three IC samples (a primary sample and two field replicates), increments were taken from 90 pre-determined locations within the DU. Increments were collected from the surface (after removal of any surface debris) to the depth assigned to the DU type (0-2.5 cm bgs for most DU types; 0-30 cm bgs for gardens, 0-15 cm bgs for beaches). After all increments were collected for a 30-increment IC sample, they were composited and sieved using a No. 100 sieve with a mesh size of 149 µm (for non-beach soils) or a No. 60 sieve with a mesh size of 250 µm (for beach sediments).

A total of 740 IC samples were collected from the 452 DUs; this includes three IC samples (a primary sample and two field replicates) collected at 144 of the DUs (including two residential beach DUs). Three IC samples (a primary sample and two field replicates) were utilized in the HHRA non-lead analysis as individual samples. EPA field splits were collected as well but were not utilized in the HHRA. Discrete (core) samples were collected from 29 randomly selected DUs having an IC sampling depth of 0-2.5 cm. In each DU, core samples were collected from 0-2.5 and 2.5-15 cm depth intervals at five locations. After collection, core samples were sieved to the same mesh sizes used for IC samples (No. 60 or No. 100). The IC surface soil sample or

beach surface sediment results from all DU types except driplines were used to evaluate residential exposure to surface soil or residential beach surface sediment COPCs. IC dripline and discrete samples were not utilized in the HHRA. Sample counts are listed in Table 2-12. The <250 µm composite beach surface sediment samples were also used to estimate uptake by waterfowl in Appendix 1. QA/QC samples are described in detail in TAI (2016b, 2017a) and are shown in Table 2-13. Lab replicates and sample results that were rejected ("R" qualified) were not utilized in the HHRA.

Sample processing at the laboratory is described in detail in TAI (2017a). Samples were analyzed for percent solids and TAL metals (except mercury). At 40 DUs having non-dripline IC samples with a lead or arsenic concentration ≥100 or 20 mg/kg, respectively, samples were submitted for IVBA of arsenic and lead analysis. Laboratory analyses, QA/QC procedures, and analytical results are detailed in the DSR (TAI, 2017a).

Six DUs sampled in 2016 were subject to removal actions in 2017-2018, along with two additional DUs (203-O3 and 203-O4) removed in 2018 (see Appendices 6 and 7). These DUs, shown in Table 2-3, are evaluated in this HHRA using the maximum COPC concentrations in backfill based on data received on June 20, 2019.

2.6.3 Outdoor Air

Outdoor air data were considered a moderate data need in the HHRA work plan (SRC, 2009). A review of current and historical air data from air monitoring is found in CH2MHill (2015). Starting in January 1994, Teck operated an outdoor air monitoring station at Sheep Creek near Northport (Figure 2-12). Every 6 days, a composite air sample was collected and analyzed for arsenic, cadmium, lead, and zinc. Particulate matter (PM_{10}) levels were measured as well. These data were collected through 2009 (for more information see ECY, 2017a and ECY, 2017b). Because the Trail smelter implemented a process change in the lead smelting operation in 1997 (installation of a KIVCET smelter and other operational improvements) that lowered emissions (Teck, 2017), data collected from 2002 through 2009 at the Sheep Creek monitoring station were used in this HHRA (Table 2-14). EPA evaluated air data measured at the Sheep Creek monitoring station near Northport and determined that concentrations in air today are lower than those measured at the Sheep Creek station from 1994 to 2009 because of the operational improvements at the Teck facility (Figure 2-13; EPA, 2018b; Appendix 8). Based on aerial emissions reported to the Canadian National Pollutant Release Inventory, COPC concentrations in air emissions have been decreasing over time. For example, arsenic emissions ranged from 1,089 to 13,608 kg per year from 1994 to 2001, and from 662 to 2,572 kg per year from 2002 to 2009 (Canadian National Pollutant Release Inventory Data Search)[16]. Additionally, ECY estimated air concentrations south of the CA border using data from a series of Teck-managed monitoring stations in the Columba River valley from Trail to Columbia Gardens, CA. Based on the most recent available data (2014), estimated PM10 COPC concentrations at Northport are

[16] https://pollution-waste.canada.ca/national-release-inventory/archives/index.cfm?do=facility_history&lang=En&opt_npri_id=0000003802&opt_report_year=2017.

similar to (cadmium) or lower than (arsenic, lead) the EPCs used in this risk assessment (ECY, 2017a).

The 2002-2009 Sheep Creek data were downloaded from the TAI database (http://teck-ucr.exponent.com) and used in this HHRA to evaluate all receptor populations (including the tribal populations in Appendices 1 and 2). No field or lab replicates were present in the database; thus, no data reduction was performed on this data set.

2.6.4 Aquatic Biota and Terrestrial Plants

Biota evaluated in the HHRA with Site-specific data include fish, macroinvertebrates (mussels and crayfish), and aquatic and terrestrial plants. Each is discussed separately below. While macroinvertebrate and plant data are summarized here, they were evaluated in Appendix 1 and not discussed in the remainder of this document.

2.6.4.1 Fish

Fish tissue data were collected from the Site in several sampling events. The four sources of data included in this HHRA are the Phase I 2005 Fish Tissue Study, the 2009 Fish Tissue Study, the 2016 Hatchery White Sturgeon Study, and the 2018 Northern Pike Study, each of which is described separately below.

Phase I 2005 Fish Tissue Study

EPA collected fish from the UCR in September and October 2005 as part of Phase I of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) RI/FS for the Site (CH2MHill, 2005a, 2005b, 2006, 2007). This study was designed to gather data to support HHRA and ERA at the Site, and to provide information related to the issuance of an updated fish advisory in Lake Roosevelt (CH2MHill, 2005a). Samples were collected from upper, middle, and lower reaches of the UCR, defined based on physical characteristics of the river and historical contaminant distribution. Two distinct Fish Sample Collection Areas (FSCAs) were located in each reach; five of these were co-located with sediment sampling areas (Figure 2-14). Five fish species were targeted for sampling: walleye (*Sander vitreus*), rainbow trout (*Oncorhynchus mykiss*), lake whitefish (*Coregonus clupeaformis*), largescale sucker (*Catostomas macrocheilus*), and burbot (*Lota lota*). In the northernmost FSCA, mountain whitefish (*Prosopium williamsoni*) was collected instead of lake whitefish because of habitat limitations.

Five composite samples of each species (each consisting of 3-5 individual fish of similar size) were targeted for collection and analysis from each FSCA. Whole-body samples were analyzed for all species. At one FSCA per reach (FSCAs 1, 3, and 6), skin-on fillets and remainder were analyzed separately for walleye and rainbow trout. To avoid overestimating metals in largescale sucker (a bottom feeder), gut (esophagus, stomach, and intestines) and gut contents were removed and analyzed separately from each individual fish in 2 randomly selected composite samples from FSCA 1, and from 1 randomly selected composite sample in FSCAs 3 and 6. Table 2-15 summarizes the fish tissue composite samples submitted for chemical analysis by species and FSCA. Fish samples were analyzed for PCB Aroclors, all 209 PCB congeners, dioxins and furans (tetra- through octa-chlorinated dibenzo-p-dioxins and chlorinated

dibenzofurans), TAL metals, arsenic speciation, percent lipids, and percent moisture (Table 2-16). Data were reported on a wet-weight basis.

For the purposes of HHRA, fillets from fish longer than 30 cm were considered relevant for the evaluation of consumption by humans. Therefore, the skin-on fillet data for rainbow trout and walleye collected in this sampling effort were used in the HHRA. Data were reduced using methods detailed in Section 2.7.2.

2009 Fish Tissue Study

To supplement the 2005 fish tissue data in support of both the HHRA and BERA for the Site, TAI collected several species and size classes of fish in September and October 2009, from the six FSCAs in the UCR sampled in 2005 (TAI, 2009a, 2013a). The FSCAs, shown in Figure 2-14, are within 6 approximate UCR river reaches defined as follows:

- Reach 1 (U.S. – Canada border at RM 745 to RM 730)
- Reach 2 (RM 730 to RM 712)
- Reach 3 (RM 712 to RM 700)
- Reach 4 (RM 700 to RM 640)
- Reach 5 (RM 640 to RM 617)
- Reach 6 (RM 617 to Grand Coulee Dam near RM 596)

Size classes of fish sampled included less than or equal to (≤) 15 cm, >15 to ≤30 cm, and >30 cm, with the smaller fish intended to fill a data gap for the BERA. Six single-species composite samples (each with a minimum of 5 fish >30 cm in length) were targeted for the following species: walleye, burbot, smallmouth bass (*Micropterus dolomieu*), rainbow trout, kokanee (*Oncorhynchus nerka*), lake whitefish, and largescale sucker. Mountain whitefish and longnose sucker (*Catostomus catostomus*) were collected as surrogates for lake whitefish and largescale sucker, respectively, when necessary. Table 2-17 contains a summary of the >30 cm fish collected during the 2009 study.

Analyses of larger fish (>30 cm) were conducted on skin-on fillet and remainder (head, viscera, fins, skeleton, and muscle excluding fillets) samples. Gut contents of largescale and longnose suckers (benthivorous fish) were removed from the "remainder" samples prior to analysis. Fillets of fish >30 cm in length were analyzed for TAL metals plus total mercury[17], uranium and

[17] Mercury was analyzed using EPA Method 7471B/EPA Method 1631e, which only measures total mercury. In fish, methylmercury and inorganic mercury are absorbed by the gut; methylmercury is then transferred to blood and distributed to other body tissues (Ribeiro et al., 1999), ultimately accumulating in skeletal muscle tissue. As a result, most mercury in the muscle of fish is methylmercury (Wiener et al., 2003). Chumchal et al. (2011) collected invertebrates and vertebrates from a freshwater lake, including six fish species, and analyzed for total mercury and methylmercury. The percentage of mercury in muscle tissue present as methylmercury ranged from 84 to 100%. As part of the Environmental Monitoring and Assessment Program (EMAP) sampling program, 10 species were collected from 14 estuaries in southern Florida (Kannan et al., 1998). Total mercury and methylmercury were measured in fish muscle tissue; on average, methylmercury contributed 83% of the total mercury tissue concentration (range 62 to 100%). Because the majority of mercury present in fish fillets is methylmercury, risk calculations were done assuming mercury was present in fish tissue as methylmercury even though only total mercury was analyzed in UCR fish tissue.

metalloids; dioxins/furans; PCB congeners; PBDEs; PAHs; pesticides; SVOCs; percent moisture; and percent lipids. A subset of fillet samples from large fish was analyzed for inorganic arsenic (n = 98). Subsamples of individual smallmouth bass fillets were also analyzed for total mercury prior to compositing.

As stated above, fillets of fish longer than 30 cm are considered most relevant for the evaluation of consumption by humans. Therefore, the skin-on fillet data for burbot, kokanee, lake whitefish, mountain whitefish, largescale sucker, longnose sucker, rainbow trout, smallmouth bass, and walleye were used in the HHRA. Data were reduced using methods detailed in TAI (2019b) as described in Section 2.7.2.

2016 Hatchery White Sturgeon Study

In 2016, hatchery white sturgeon (*Acipenser transmontanus*) were collected from the UCR as part of a population stock assessment and targeted removal effort by the Lake Roosevelt Fishery Co-Managers and the Upper Columbia White Sturgeon Recovery Initiative (SRC, 2016). White sturgeon are a traditional tribal food source and common sport fish in the UCR but were not sampled in the 2009 fish tissue study because they were not part of the legal UCR fishery at that time. The 2016 white sturgeon data were intended for use in the HHRA and to support WDOH in their review of the potential need for a UCR sturgeon fish advisory.

Fish were collected in August and September of 2016 from UCR Reaches 2 through 4 (RM 723 to RM 684), from the U.S. – Canada border downstream to Inchelium/Gifford (Figure 2-15). White sturgeon were divided into three size classes, with 24 fish per size class: 50-97 cm, 98-137 cm, and 138-160 cm fork length. Within each size class, the 24 fish were filleted with skin removed and sorted into 3 composite samples using a stratified random approach described in Appendix B of Windward (2017a). The nine skinless fillet composite samples were analyzed for TAL metals/metalloids (including mercury), inorganic arsenic, dioxins/furans, total PCBs, PCB congeners, total PBDEs, and PBDE 47, PBDE 99, PBDE 153, and PBDE 209.

Because fillet data from fish >30 cm are considered most relevant for the evaluation of consumption by humans, all nine white sturgeon composite samples were used in the HHRA. Data were reduced as described in Section 2.7.2, including conversion of dry weight (dw) fish tissue data to wet weight (ww) concentrations.

2018 Northern Pike Study

Northern pike (*Esox lucius*) were collected from the UCR in July, 2018 (TAI, 2018). Northern pike were not sampled in 2009 because they had not yet expanded their range into the UCR. These fish were not detected in the UCR until 2011. Since then, northern pike have become the top predator in Lake Roosevelt and have rapidly increased in abundance, negatively impacting both native and hatchery prey fish (Lee and King, 2015, 2016; Lake Roosevelt Fisheries Co-managers 2018). Although smallmouth bass and walleye were collected in 2009, they are not appropriate surrogates for northern pike as northern pike are voracious predators with piscivory beginning in earlier life stages. Smallmouth bass and walleye feed on aquatic invertebrates for a much longer period of time (Walrath, 2013). As a result, northern pike have a much faster growth trajectory and larger terminal size, which may result in differences in COPC bioaccumulation. Because northern pike are a non-native invasive species, the CCT offer a $10 bounty per head incentive for anglers to remove them from the UCR. This may increase

consumption of northern pike by anglers. The 2018 northern pike data were intended for use in the HHRA and to support WDOH in their review of the potential need for a UCR northern pike fish advisory.

Northern pike tissue samples were collected by the Lake Roosevelt Fisheries Co-Managers July 24 through 26, 2018 as part of the northern pike suppression effort. Fish were captured in the area between Gifford and Northport, Washington using gill nets (Figure 2-16; CH2MHill, 2018a). Northern pike were separated into two size classes: 30 fish 300 to 449 mm total length, and 30 fish >450 mm total length. Within each size class, fish were filleted with skin removed and sorted into six composites per size class. A stratified random compositing approach based on size class was used: individual fillets from each size class were randomly assigned to one of six composite samples for that size bin. The twelve skinless fillet composite samples were submitted for analysis of TAL metals, inorganic arsenic, mercury, percent moisture, and percent lipids.

Because fillet data from fish >30 cm are considered most relevant for the evaluation of consumption by humans, all twelve northern pike composite samples were used in the HHRA. Data were reduced as described in Section 2.7.2, including conversion of dw fish tissue data to ww concentrations.

2.6.4.2 Macroinvertebrates (Mussels and crayfish)

TAI collected macroinvertebrates during two sampling events in the spring and fall of 2016 to support both the BERA and HHRA. Mussels and crayfish were collected from sampling areas within six river reaches of the Site and two reference areas (the Sanpoil River and Buffalo Lake; Figure 2-17)[18] (Windward, 2017b). In each sampling area, six composite samples from different locations within each reach and from each reference area were targeted for both mussels and crayfish, with a target of at least five organisms per composite (Exponent et al., 2016). The spring sampling event was timed to coincide with the annual reservoir drawdown period, when water levels were expected to be lowest and mussels most accessible. However, water levels were higher than expected and sufficient numbers of crayfish and mussels were not obtained. Clams were collected from one river reach in spring 2016 where the target sample numbers for mussels had not been met and several clam beds were located. A second sampling event was held in early fall to complete the sampling effort. Target sample numbers were met for crayfish and mussels from all sampling areas, except only one crayfish was collected from Sampling Area 1 and no mussels were collected from Buffalo Lake. Mussel samples were collected by divers in Site Sampling Areas 1, 3, 4, 5, and 6 in order to meet target sample numbers.

Six composite mussel samples were collected from each Site reach, and from the Sanpoil River reference area. No mussels or clams were found in the Buffalo Lake reference area. Mussels were identified to the lowest practical level; species collected were *Anodonta sp*. and the western pearlshell mussel (*Margaritifera falcata*). Western pearlshell mussels were only found and collected from the Sanpoil River reference location. One clam sample (*Corbicula sp.*) was collected from Reach 6 in the spring sampling event; this sample was not utilized in this HHRA. For mussels, the soft tissue of the mussel (including any liquid inside the shell) was collected and submitted for analysis. The QAPP (Exponent et al., 2016) stated that six composite samples

[18] The lower, teardrop-shaped area of the Sanpoil River Reference Sampling Area on Figure 2-16 was excluded from sampling due to it being within the UCR Site area.

would be collected from different locations within each sampling area; however, samplers were not able to locate six different mussel beds in all sampling areas. Mussel samples collected from the same mussel bed were considered independent composite samples when calculating the EPCs for mussel tissue. Mussel beds sampled and composites are shown in Table 2-18. Table 2-19 summarizes the mussel samples collected by species and by reach.

Two crayfish species were collected: the native signal crayfish (*Pacifastacus leniusculus*) and the non-native northern/virile crayfish (*Orconectes virilis*). The whole body minus the carapace and stomach[19] and the stomach/carapace were submitted separately for analysis for crayfish collected from Areas 2, 5, 6, Buffalo Lake, and the Sanpoil River. Whole body crayfish collected in Areas 3 and 4 were submitted for analysis. Six composite crayfish samples were collected from Reaches 2 to 6, and from the Sanpoil River and Buffalo Lake. Only one crayfish was collected by hand from Reach 1. This specimen was immobile, appeared to have a hole in its carapace, and was not retained for analysis. Most of the crayfish composites contained crayfish that were collected from multiple locations; no locations were over-represented within a composite sample. As per the QAPP, the crayfish composites were considered representative of different locations within each sampling area. Table 2-19 summarizes the crayfish samples collected by species and by reach.

Samples collected from Areas 2, 5, 6, Buffalo Lake and the Sanpoil River were analyzed for TAL metals, methylmercury, and total and inorganic arsenic (by EPA methods 6020A and 1632A; analytical results from these two methods are reported separately), PCB congeners, and dioxins/furans. Samples collected from Areas 1, 3 and 4 were analyzed for TAL metals and percent solids. Table 2-20 summarizes the macroinvertebrate composite samples submitted for chemical analysis by reach.

Data from all areas of the Site are being utilized in the BERA. Sampling Reaches 5 and 6 were identified as potential local source areas for mussels and crayfish that may be consumed by people based on data provided in the *UCR Tribal Consumption and Resource Use Survey Data Summary Report* (Tribal Survey) (Westat, 2012) and anecdotal information provided to EPA by a representative of the Spokane Tribe (Knudson, 2015). Reach 2 was also targeted for evaluation in the HHRA because sediment TOC concentrations were >1%. Because similar tissue was collected for mussel samples from all reaches, mussel data from all six reaches were evaluated in Appendix 1. Crayfish data (whole body minus the carapace and stomach samples) from Reaches 2, 5, and 6 were evaluated in Appendix 1. Limited information is available on locations where people may collect shellfish for consumption, and the *Recreational Consumption and Resource Use Survey for the UCR Site HHRA and RI/FS* (RecUse Survey) (Industrial Economics, Inc. [IEc], 2012) did not include questions on collection of shellfish. Therefore, the shellfish data were evaluated on a Site-overall basis (data from Reaches 2, 5 and 6 for crayfish, data from Reaches 1 through 6 for mussels).

[19] Whole body minus the carapace and stomach leaves the head, claws, abdomen, tail, and shell around the claws and tail.

For mussels, there were 36 composite samples available for on-Site reaches, and 6 composite samples available for the reference areas. There were 18 crayfish samples from on-Site reaches, and 12 composite samples from the reference areas.

Field replicates were not collected during the two sampling events. Samples identified in the data file as field splits were determined to be laboratory replicates based on the sample handling description in the QAPP. For laboratory replicates, only the parent sample was utilized in the EPC calculations as described in the revised DMP (TAI, 2019b). Shellfish tissue data needed to be expressed in terms of ww for evaluation in Appendix 1 and were reported on a ww basis by the laboratory.

2.6.4.3 Wild/Cultural Terrestrial and Aquatic Plants

Collection of terrestrial and aquatic plants at the Site took place in 2018. Members of the CCT consume and otherwise use (e.g., for weaving) terrestrial and aquatic plants harvested from the vicinity of the Site. Plants were collected from tribal allotments in the study area to characterize the concentrations of metals in the tissues of wild upland plants used for food or cultural purposes. Data collection efforts focused on obtaining information used in the exposure assessments for receptors who ingest, mouth, or otherwise utilize plants from the study area. Plant species and parts collected during the plant study are summarized in Table 2-21.

TAI collected plant tissue and co-located soil samples during three sampling events in 2018: April 24 through May 2 (Spring), June 18 through 20 (June), and August 20 through 28 (August) (TAI, 2019a). Plant sample locations are shown in Figure 2-18. Plant tissues targeted for collection were determined based on their expected stage of growth in each season, typical CCT collection times (Fraser, 2017), and field observations during reconnaissance events. Plants were collected from three tribal allotments sampled in the 2014 Residential Soil Study (CH2MHill, 2016a) that had bioavailability-adjusted soil lead concentrations >700 mg/kg, and from tribal allotments with lower soil lead concentrations measured during the 2014 and 2016 residential soil studies. Willows, a plant of cultural significance, were not found on the tribal allotments surveyed during the August 2017 field reconnaissance (AECOM, 2017), so willows were collected from additional sampling areas located along the UCR.

A total of six plant tissue and co-located soil samples were targeted for collection from the anticipated high and low lead sample areas for each plant species and tissue type. Plant tissue samples were collected from an individual plant or, if necessary to meet sample mass requirements for the analytical laboratory, from two or more adjacent individual plants forming a composite sample of sufficient sample mass. A co-located surface soil sample for an individual plant tissue sample was collected from beneath the sampled plant (0-3 inches bgs). This depth interval was selected because it is heavily used by plant root hairs, and it is consistent with prior soil sampling depth for the tribal allotments sampled in the 2014 and 2016 Residential Soil Studies and for the ADAs sampled in the 2014 Upland Soil Study. If the plant tissue sample was collected as a composite of multiple individual plants, the co-located surface soil sample was similarly a composite made up of subsampled surface soil collected from beneath each of the individual plants included in the composite tissue sample. This sample was not mass-weighted to be representative of the mass of plant tissue collected from each individual plant. Plants and soil samples were submitted for analysis of TAL metals (except calcium, magnesium, potassium and

sodium). Mercury was analyzed in a subset of samples (stem and leaf tissue) based on studies demonstrating mercury is highest in these tissues (Li et al., 2017).

Chemistry data for plant parts of interest were used in Appendix 1 to evaluate the potential for COPC uptake into plants and subsequent exposure of receptor populations who harvest and consume or otherwise utilize those plants. The co-located soil sample results were utilized in the tissue uptake models to estimate muscle concentrations of COPCs in upland birds and game (mammals); the average soil concentration was used as the soil EPC. More information can be found in Appendix 1. Data were reduced as described in Section 2.7.2, including conversion of dw plant tissue data to ww concentrations.

2.7 Data Management

This section describes data compilation and data reduction methods used in this HHRA; methods are in accordance with the Final DMP Amendment No. 1 (TAI, 2019b).

2.7.1 Data Compilation

Data produced by the investigations described above were downloaded from the TAI database (http://teck-ucr.exponent.com/) and compiled into a UCR project-specific SAS® database. Data validation reports and technical memorandums summarizing split sample results were also available in the TAI database.

2.7.2 Data Reduction Methods

As part of regular data management operations, data from each of the investigations were re-formatted to standardize chemical nomenclature and concentration units across studies for each medium. Because the purpose of the HHRA was to evaluate exposures for the UCR, samples collected from rivers, tributaries, and upland areas outside of the UCR Site were excluded, with the exception of reference areas sampled for crayfish and mussels. In addition, samples collected for the purposes of assessing QC in the field (e.g., field splits, field/trip blanks) and in the analytical laboratory (e.g., laboratory duplicates, matrix spikes) were excluded.

In this HHRA, IC soil samples for upland ADAs, relict floodplains, and residential soil DUs; sediment for residential beaches; and public beach soil and sediment collected in 2015 were treated as individual samples, as described in Section 2.6. Although the DMP states that field duplicate samples should be averaged (TAI, 2019b), replicate IC samples are not collected the same way or for the same purpose as field duplicate samples. Field duplicates are co-located samples collected at the same location to evaluate field sampling precision. IC replicate samples are collected within the same DU, ADA, UDU, SDU, or RFDA as the original IC sample, but at a different starting point. Each IC sample replicate provides an estimate of the mean concentration of COPCs within a DU, ADA, RFDA, SDU, or UDU (Section 7.2, ITRC, 2012); therefore, the IC samples were treated as individual samples and not averaged for use in non-lead risk calculations. IC samples were reduced to a single sample result per the DMP (TAI, 2019b) for use in the COI screens (Section 3.2).

For analysis of surface water, public beach sediment collected in 2009-2011, plant tissue, and fish tissue, field duplicate/triplicate samples were combined with primary field samples to yield one value to represent the sample per the DMP (TAI, 2019b). If concentrations in all samples at a location (primary and field duplicates/replicates) were detected, then the average concentration of the samples was used to represent that sample and that sample was considered a detect. If concentrations in all samples at a location (primary and field duplicates/replicates) were non-detects, the lowest detection limit across the samples was used to represent the detection limit for that sample, and the sample was considered non-detect. If there was a mixture of detected and not detected results among the samples (primary and field duplicates/triplicates), then the average of the detected results was used to represent that sample and the sample was considered a detect. Replicates were not collected for macroinvertebrate or outdoor air samples.

In the project database, analytical results included two types of data qualifiers (laboratory and validation)[20]. If either of these data qualifiers was identified as "R," the result was ranked as rejected and was excluded. If either of these data qualifiers was identified as "U," "UJ," or "EMPC,"[21] the result was ranked as non-detect. For "EMPC"-flagged results, there was no value in the "detection limit" field. For these results, the value in the "meas_value" field was used as the detection limit. For the 2005 fish and sediment data, the database does not include a definition of the value that is used for non-detects. Except for Aroclor results in fish (discussed below), calculations of total PCBs, calculations of toxic equivalents (TEQ), and calculation of total PBDE, all results ranked as non-detect were evaluated in ProUCL (EPA, 2015d) using Regression on Order Statistics (ROS). When calculating estimates of TEQ from dioxin/furan and PCB congeners, non-detects were evaluated at one-half the reported sample detection limit.[22] When calculating estimates of total PCBs, two values were calculated: the sum of detected non-dioxin-like congeners and the sum of detected individual Aroclors. If a sample was analyzed for both PCB congeners and Aroclors, the maximum of the two calculated values was used as the total PCB result (the other value was excluded). Aroclors were non-detects in all samples except for two; both of those samples were analyzed for both Aroclors and congeners, and the total PCB concentration calculated using the congener data set was higher.

The value reported in the "meas_value" field was used as the sample detection limit for non-detects. For values flagged as non-detected values, the measurement value field in the Site database was either the Method Detection Limit or Method Reporting Limit, depending on

[20] The 2005 fish and sediment data had three qualifier fields: laboratory, project, and validation. The project qualifier field used the value in the validator qualifier field if it was populated; otherwise, it used the value in the laboratory qualifier field.

[21] U = analyte was analyzed for but not detected above the level of the reported sample quantitation limit; UJ = analyte was analyzed for but not detected; the reported quantitation limit is approximate and may be inaccurate or imprecise; EMPC = estimated maximum possible concentration. (Chromatographic peaks are present in the expected retention time window; however, the peaks do not meet all of the conditions required for a positive identification. The detection limit represents the EMPC if the compound was present.) https://www.epa.gov/sites/production/files/2017-01/documents/national_functional_guidelines_for_inorganic_superfund_methods_data_review_01302017.pdf.

[22] The revised DMP indicates that ProUCL should be used to estimate EPCs for the risk assessments, and that ProUCL includes methods for estimating EPCs with data sets that include non-detects. To calculate total TEQ using congener data, a simpler substitution method of one-half the sample detection limit was used for non-detects in this HHRA.

requirements of the study-specific QAPPs. The value reported in the "meas_value" field was the "detection limit" field for all non-detects except for those flagged as "EMPC."

2.7.2.1 Fish and Plant Tissue Data

Tissue data need to be expressed in terms of ww for use in HHRA. In the 2009 fish data set, some metal results were reported in dw. For samples with a reported fraction of solids result, that percent was used to calculate the ww concentration from the dw concentration using the following formula:

$$\text{Concentration}_{ww} = \text{Concentration}_{dw} \times \text{Fraction of solids}$$

For field duplicate or triplicate samples without a fraction of solids result, the parent sample's fraction of solids result was used to convert dw to ww concentrations. For samples with no fraction of solids result across field duplicate, triplicate, or primary sample, the average fraction of solids (by sample type and species) was used to calculate the concentration expressed as ww.

In the 2016 fish tissue (sturgeon), 2018 fish tissue (northern pike), and 2018 plant tissue data sets, all metals results were reported as dw concentrations. Each sample was also analyzed for the fraction of solids; therefore, the above equation, with sample-specific fraction of solids result, was used to convert dw tissue concentrations to ww concentrations for those data.

2.7.2.2 Total PCB Concentrations and TEQ Estimation

There are 209 PCB congeners. Of the 209 congeners, twelve congeners are classified as "dioxin-like." There are potential risks associated with possible enhancement of these dioxin-like PCB congeners (toxicologically related to 2,3,7,8-tetrachlorodibenzo-para-dioxin [TCDD]), whereby congener-based analysis can be utilized to ensure that overall PCB risks are not underestimated (EPA, 1996a).

Because dioxin and furan congeners and dioxin-like PCBs all act by the same mechanism as 2,3,7,8-TCDD, data for the dioxin and furan congeners and dioxin-like PCBs were converted to a TCDD TEQ by computing the sum across congeners of the product of congener-specific concentration and relative Toxicity Equivalence Factor (TEF):

$$\text{TEQ} = \sum (C_i \times \text{TEF}_i)$$

TEFs were based on EPA (2010a). Separate TEQ values were calculated for dioxins and furans and dioxin-like PCBs assuming that one-half the detection limit for concentrations qualified as non-detects. TEQ values were also calculated using a value of zero for concentrations qualified as non-detects but were not utilized in risk calculations. A calculated TEQ concentration is flagged as a non-detect only if no individual congener was detected in that sample.

Total PCB concentrations were calculated two ways. One was calculated by summing across all detected non-dioxin-like PCB congeners. PCBs generally occur as a mixture of congeners. The second was calculated by summing across Aroclors, which are commercial mixtures of PCB congeners that contain many of the individual congeners in varying ratios. When Aroclors are released into the environment, the original congener composition of the PCB mixture changes because of differential fate and transport processes (EPA, 1996a). Chemical analyses of

environmental samples often report PCB concentrations in terms of the Aroclor mixture(s) they most closely resemble. Analysis of PCBs as Aroclors by gas chromatography involves a comparison of the chromatogram of peaks to diagnostic patterns for different commercial Aroclor mixtures (i.e., 1242, 1254, 1260, etc.). The analyst selects the mixture that best represents the observed sample chromatogram when reporting concentrations for an environmental medium (EPA Method 8082A). In some instances, when the observed sample chromatogram has peak characteristics that could be represented by either of two different mixtures (e.g., 1254 and 1260), results may be reported for both; however, these results should be interpreted as alternate estimates of one concentration, not two independent estimates that should be summed. Therefore, total PCB concentrations for each sample (based on Aroclor data) were estimated as follows:

- If a single Aroclor mixture was reported as detect, the total PCB concentration was equal to the detected Aroclor concentration.

- If more than one Aroclor mixture was reported as detect, the total PCB concentration was equal to the sum of the detected Aroclor concentrations.

- If all Aroclor mixtures were reported as non-detect, the total PCB concentration was non-detect and reported as less than the minimum Aroclor detection limit for the sample.[23]

[23] Fish were only analyzed for PCB Aroclors in the 2005 sampling event, and all fish sampled analyzed for Aroclors had at least one detected Aroclor.

3 EXPOSURE ASSESSMENT

Exposure is the process by which receptors (representing hypothetical populations) contact chemicals in the environment. Receptors can be exposed to chemicals in soil, sediment, water, air, or food, and these exposures can occur through several pathways: ingestion, dermal contact, and inhalation. This section summarizes the environmental media and COPCs at the Site, identifies complete human exposure pathways, and describes the methods used to quantify exposure from each pathway.

3.1 Conceptual Site Model

Figure 3-1 presents a Conceptual Site Model (CSM) that summarizes the current understanding of how chemical contaminants that have been released to the environment at the Site might result in exposure of receptors. Figure 5-1 of the HHRA Work Plan (SRC, 2009) details potential sources and fate and transport mechanisms for human exposure. This has been refined in Figure 3-1 to illustrate pathways that can be quantitatively evaluated. As noted in Figure 3-1, sources of chemical contaminants to exposure areas at the UCR Site include the Teck smelter, the Northport smelter, potential related ambient air constituents, and potential smelter-influenced non-point source runoff. The primary environmental media to which humans may be exposed include surface water, beach sediment[24], and outdoor air. Other media evaluated in this Site-wide HHRA include soil, indoor air, indoor dust, and fish.

Two receptor populations included in the CSM are residents of the Colville Reservation and the Spokane Reservation. They are evaluated in Appendices 1 and 2 of this HHRA, respectively. The following Site-related environmental media and their exposure pathways were evaluated exclusively in Appendix 1 and are not discussed in the remainder of this report: macroinvertebrates (mussels and crayfish), amphibians/reptiles, waterfowl, wild/cultural plants, upland birds, and wild game (mammals). Sweat lodge air was not quantitatively evaluated in this HHRA or in Appendices 1 and 2 and is expected to make a negligible contribution to risk (see Appendix 3).

3.1.1 Exposure Areas

An exposure area (also referred to as an exposure unit or exposure point) is an area where a receptor population may be exposed to one or more environmental media. Within the exposure area, contact with each medium is assumed to be random when considered on the time scale of the exposure scenario being evaluated (usually many years). Selection of the bounds of an exposure area is based mainly on consideration of the likely activity patterns of the exposed receptor populations. For example, most recreational visitors access the UCR and Lake Roosevelt from public access areas including campgrounds, swimming areas, boat launches, and marinas. Over the course of multiple years, it is suspected that most individuals will access the UCR Site at many different locations rather than always going to the same exact location. The HHRA Work Plan (SRC, 2009) identified the upper limit of the size of an exposure area for recreational activities as a river reach (described in Section 2.2.1.4 above), and the lower limit of an exposure area as a single beach. That definition of exposure area has evolved with the design

[24] In the CSM, "sediment" includes both beach sediment and beach soil.

of environmental sampling efforts for soil, outdoor air, surface water, sediment, and biota, and the analysis of the survey data.

The RecUse Survey (IEc, 2012) gathered information on resource use by recreational visitors to Lake Roosevelt, and the Tribal Survey (Westat, 2012) collected information on Local Area resource use by residents of the Colville Reservation. Merging the survey data with the data collected from the various environmental media (e.g., fish tissue, surface water and beach sediment, soil, and outdoor air) required consideration of the differences in the spatial scales the data represent. For example, the RecUse Survey may be used to estimate the number of beach trips per year for three regions of the UCR (upper, middle, and lower) while the surface water, fish, and macroinvertebrate data were collected by river reach, as described in Section 2.6. Sediment data were collected on a beach-specific basis.

Table 3-1 presents the exposure areas defined for evaluation in this risk assessment. These are described in the following subsections by medium.

3.1.1.1 Sediment

The public beach sediment study was designed to allow for exposures in the HHRA to be calculated on a beach-specific basis (TAI, 2009b). Recreational visitors to public beaches were assumed to receive all of their exposure to surface sediment by frequenting the same beach. Public beach sediment was evaluated on a beach-by-beach basis, with each beach representing an exposure area and using the same value for exposure frequency for all beaches. For Bossburg Flat Beach and Evans Campground Beach, the SDUs sampled in 2015 (TAI, 2016a) were additional exposure areas.

For subsurface sediment, only data from SDUs sampled in 2015 at Bossburg Flat Beach and Evans Campground Beach were sieved to a grain size appropriate for evaluating human health exposures. As such, the exposure areas for subsurface sediment are only the 2015 SDUs from Bossburg Flat Beach, Evans Campground Beach, and the former cable ferry landing location (F-01). The size of the exposure area was assumed to be the size of the SDU sampled.

Residential beaches were sampled as part of the 2014 and 2016 residential soil studies (Figures 3-2 and 3-3) to assess potential risks to existing residents from exposure to metals in the sediments of beach areas on their properties. The size of the exposure area was assumed to be the size of the DU sampled.

3.1.1.2 Surface Water

The exposure area for surface water was identified as UCR Reaches 1 through 6. The rationale for combining the surface water data to estimate one EPC for the Site was based on the number of disturbed, unfiltered samples that were available for each reach of the UCR, as discussed in Section 2.6.1. Surface water samples were collected from one transect per river reach. Each reach of the UCR includes 12 to 59 miles of surface water, making a statistical comparison among the reaches tenuous. Additionally, the differences in the numbers of beach trips per year, and the time spent swimming and wading in water more than waist deep during beach trips, are not substantially different among the three regions of Lake Roosevelt (“upper,” “middle,” and “lower”; Figure 3-4; SRC, 2019a). Therefore, a single exposure area for surface water (i.e.,

incidental ingestion of and dermal contact with surface water while swimming) was used (Section 3.5.2.2).

3.1.1.3 Fish

The measured concentrations of COPCs in fish tissue collected from all six river reaches were used to calculate EPCs; the exposure area for fish was Reaches 1-6. The rationale for combining the fish tissue data across reaches, by species, was an assumption that some of the fish species have home ranges that span more than one river reach, resulting in exposures throughout the river. Fish risks were estimated for individual species. Concentrations in individual species sampled, except for sucker (*Catostomas* sp.), did not vary greatly by river reach. The fish species with the highest lead concentration was sucker; the Reach 1-6 EPC for sucker is the Kaplan Meier (KM) mean of 0.135 mg/kg ww (Table 3-29). Lead in suckers was highest in fish collected in Reach 1 (0.393 mg/kg ww) and Reach 2 (0.183 mg/kg ww) and ranged from 0.0642 to 0.0993 in suckers collected from Reaches 3 to 6. Because suckers were not reported as being frequently consumed by anglers surveyed in the RecUse Survey or the Tribal Survey, the EPC for suckers was Reaches 1-6 as well.

3.1.1.4 Soil

As described in Section 2.6, soil samples were collected in 2014 from residential properties in the northernmost reaches of the Columbia River valley (north of the town of Northport, Washington to the U.S. – Canada border; Figure 2-10) to assess potential risks to existing residents from exposure to metals in surface soils. Based on the results of the 2014 soil study, additional residential properties located along the UCR from the U.S. – Canada border to approximately the intersection of Williams Lake Road and Highway 25 on the east side of the UCR were sampled in 2016 (Figure 2-11). Residential soil sampling efforts focused on locations on a property where there was a high potential for exposure to surface soil by residents, especially children. These locations were identified based on property-specific interviews with residents.

Soils in upland ADAs were sampled in the northernmost 100 mi^2 of the Site, extending south from the U.S. – Canada border, as part of the 2014 upland soil study for use in HHRA (Figure 2-8). These ADAs are located on privately owned land, U.S Forest Service or Bureau of Land Management land, or land managed by the Washington Department of Natural Resources. They are designated residential, undeveloped, forest land, or government land, with the majority having the land use code "designated forest land."[25]

Relict floodplains were sampled in 2014 as described in Section 2.6 to assess historical fluvial deposition of sediment and potential risks to recreational visitors who may frequent those areas to access the UCR. The size of the exposure area for this medium was assumed to be the size of the RFDA sampled. Relict floodplain samples were treated as beach soil in this risk assessment. For Bossburg Flat Beach, UDUs sampled in 2015 (TAI, 2016a) were additional beach soil exposure areas.

[25] http://propertysearch.trueautomation.com/PropertyAccess/Property.aspx?cid=0.

Current and future residents exposed to soil at DUs and ADAs, recreators exposed to relict floodplain soil at RFDAs and public beach soil at UDUs, and outdoor workers exposed to public beach soil at UDUs were assumed to receive all of their exposure to COPCs in soil in each DU, ADA, RFDA, or UDU sampled. Therefore, the size of the exposure area for soil was assumed to be the size of the DU (individual DUs on residential properties), ADA, RFDA, or UDU sampled.

3.1.1.5 Outdoor Air

Outdoor air samples were collected at one location near Northport, Washington, by Teck (see Figure 2-12; ECY, 2017a)[26]. Data used in this HHRA were collected from 2002 to 2009. Air concentrations based on a single location may not be spatially representative of other areas throughout the Site. In the absence of other data, however, the exposure area for outdoor air was identified as the entire Site.

3.1.1.6 Indoor Air

No indoor air samples were collected; indoor air EPCs were based on outdoor air data. As such, the exposure area for indoor air was identified as the entire Site.

3.1.1.7 Indoor Dust

No indoor dust samples were collected; indoor dust EPCs were based on outdoor residential or upland soil data. As such, the exposure area for ingestion of indoor dust was based on the COPC concentration for each DU on a residential property or each ADA on a potential future residential property.

3.1.2 Exposed Populations

Risks from exposure to COPCs were evaluated for hypothetical populations that represent subsets of hypothetical populations who live near the UCR, visit or work on its beaches, or eat fish, shellfish, game, or cultural/wild plants harvested from the area. These hypothetical populations are referred to in the report as "receptors." Receptor populations are constructed with exposure parameters (e.g., intakes of selected media, exposure frequencies and durations) to represent typical (most likely) exposures, referred to as "central tendency exposures" (CTE), or greater than typical exposures, referred to as "reasonable maximum exposures" (RME). Receptor populations are hypothetical because they are restricted to exposures to selected media and defined media intakes; therefore, they may not represent any single individual or real population, whose members engage in a broader diversity of activities and intensities (duration, frequency) than assumed in the receptor population. For example, the outdoor worker receptor is assumed to be exposed exclusively during worker activities. However, workers may live in the area and may recreate at the UCR. The recreational visitor receptor is assumed to be exposed exclusively during intermittent visits to the Site. However, some recreators may also be local residents.

Five receptors (hypothetical populations) were evaluated in this risk assessment:

[26] ECY's Air Quality Program also collected data from Northport, Washington, from 1992 to 1998.

- *Residents* who contact soil in their yards and dust in their homes, who breathe air, who may eat fish from the UCR, and who may contact surface water and sediment if they have a beach on their property;
- *Outdoor workers* who contact surface and subsurface sediment or soil at public beaches, who contact UCR surface water, and who breathe air;[27]
- *Recreational visitors* who use the UCR for beach day trips, boating, camping, swimming, and fishing and thereby contacting surface sediment and beach soil at public beaches and relict floodplains, contact UCR surface water, breathe air, and may eat fish harvested from the UCR;[28]
- *Colville High Intensity Resource Users* (CHIRU), members of the Confederated Tribes of the Colville Reservation who have contact with soil, beach sediment, and UCR surface water, who breathe air, and who may eat fish, mussels, crayfish, amphibians/reptiles, waterfowl, wild/cultural plants, upland birds, and wild game (mammals) harvested from the Site; and
- *Spokane Tribe of Indians* (STI) members who have contact with soil, beach sediment, and UCR surface water, who breathe air, and who may eat fish harvested from the UCR.

EPA (1989) recommends evaluating exposure and risk to individuals using intakes that are near the upper end of the range (e.g., the 95th percentile), and "average," near the central portion of the range. These exposure scenarios are referred to as the RME scenario when the intake parameters are from the upper end of the range, and the CTE scenario when the average values are used. This section of the HHRA discusses residents, outdoor workers, and recreational visitors. The HHRA for the CHIRU population is presented in Appendix 1, and the HHRA for the STI population is presented in Appendix 2.

3.1.2.1 Residents

The residential receptor population consists of people who reside in communities near the UCR now (at locations sampled during the 2014 and 2016 residential soil studies) or may do so in the future (at locations sampled during the 2014 upland soil study). The UCR area includes several towns and communities outside of the Colville and Spokane reservations that are adjacent to or near the river. Demographic profiles based on the 2010 United States census are available for some of the larger communities (U.S. Census Bureau, 2020). The population of Northport in 2010 was 295 residents, consisting of 139 households and 76 families. The median age was 48.5 years old; 21% of residents were under the age of 18. The population of Marcus was 183 residents in 2010, with 49 families comprising 76 households; 18% of residents were under the age of 18 years. Kettle Falls had a population of 1,595 living in 676 households, according to the 2010 census. Of these, 26.6% were under the age of 18 years. The population of Inchelium in 2010 was 409 residents, 27.4% of whom were under the age of 18 years. Coulee Dam had a

[27] Workers in the area may also be exposed in upland areas away from the river (e.g., in the forest or agricultural industries). As discussed in Section 3.1.2.2, because upland areas are evaluated for residential land use with higher exposure assumptions than occupational exposure, the residential exposure evaluation is protective of the upland outdoor worker population; a separate evaluation is not warranted.

[28] The recreational visitor population also encompasses visitors from completely outside the UCR and Lake Roosevelt community and corridor.

population of 1,098 residents in 2010, divided among 301 families and 459 households. Of the 1,098 residents, 24.8% were under 18 years of age.

Because exposures for children and adults can be different, the residential receptor population consists of adults and children (assumed to be <6 years old). For some COPCs (e.g., lead) and exposure media (e.g., soil), young children represent the most sensitive and most exposed receptor population and risks estimated for this age group will not underestimate risks for older children. Residents may have direct contact with surface soil in their yards over a long period of time (26 years, the assumed average residence time at the Site); they may also be exposed to COPCs while breathing outdoor air on their properties, as well as exposure to air and dust inside their homes. Current and potential future residential use was defined by soil datasets: "current" residents were assumed to be potentially exposed to soil from DUs sampled during the 2014 and 2016 residential soil studies, and "future" residents were assumed to be potentially exposed to soil from ADAs sampled during the 2014 upland soil study. Residents who own beaches that were sampled as part of the 2014 and 2016 residential soil studies may also have direct contact with sediment and surface water on their beaches over a long period of time (assumed to be 26 years).

Residents are likely to eat fish from the UCR, given their proximity to the river and the strong possibility that the local resident population overlaps to some degree with the recreational visitor population. For this evaluation, residents with and without beaches were assumed to consume fish having a tissue concentration representative of each individual fish species sampled. Residents may also eat cultivated terrestrial plants; however, risk management decisions for residential soil that are protective of full-time residential soil exposures are expected to be protective of gardening exposures in those soils. EPA determined that this is an acceptable approach for gardens, where direct soil ingestion is the source of the majority of lead risk (EPA, 2014b). Garden soils tend to have lower lead concentrations which may result from cultivated gardens including soil amendments which dilute lead in soil or decrease lead bioavailability (e.g., Brown and Chaney, 2016). The most sensitive receptor for lead is the young child, who is not likely to be an avid gardener. Because soils were evaluated DU-by-DU, including garden DUs (i.e., assuming that a young child is a full-time resident of a garden DU) is more protective than evaluating a gardener receptor population. As such, that exposure pathway, while complete, was not evaluated.

3.1.2.2 Outdoor Workers

Many types of work could potentially result in exposures to Site-related contaminants, which will vary with the location and type of work performed. Because it is assumed that an outdoor worker is likely to be more exposed to Site-related chemical contamination than an indoor worker, the outdoor worker was selected as the worker population evaluated in this HHRA. This receptor was assumed to work full-time at campgrounds and boat launches along the river, engaging in activities similar to those conducted by a park ranger or boat dock worker. Work activities are assumed to vary widely, ranging from occasional excavation activities in warmer months, such as repair of dock pilings or as part of maintenance activities at recreational facilities, to activities that involve less intensive sediment and beach soil exposure. These

outdoor workers may be exposed to public beach surface[29] and subsurface sediment and beach soil, UCR surface water, and outdoor air now or in the future, for a long period of time (around 25 years). Exposures to the outdoor worker receptor are assumed to occur exclusively during work activities.

The outdoor worker receptor population defined for evaluation in this HHRA is likely more exposed to Site-related chemical contamination than either workers who work full-time with minimal sediment/beach soil exposure, or workers whose activities focus on sediment/beach soil-intensive activities but only work part-time. Workers in the area may also work full-time in upland areas away from the river (e.g., in the forest or agricultural industries). Upland areas are evaluated for residential land use in this HHRA; the potential future residential exposure evaluation is protective of the upland outdoor worker population and a separate evaluation for upland workers is not warranted.

3.1.2.3 Recreational Visitors

At the UCR Site, there are numerous campgrounds, public access beaches, boat launches, and picnic areas which are frequented by recreational visitors who engage in a variety of activities, including camping, swimming, fishing, hunting, boating, and hiking. Recreational visitors may be exposed to COPCs in surface water, surface sediment, beach surface soil in RFDAs and UDUs, and outdoor air while engaging in these activities at the UCR. For this HHRA, recreational visitors were also assumed to fish; swim during trips to the beach, boat, and camp; and spend time on UCR public beaches and relict floodplains. Relevant Site-specific exposure parameters for these pathways were derived from the RecUse Survey.

Recreational visitors may also be residents or outdoor workers; however, different risk scenarios may not be combined, as the scenarios are independent. Risks of a combined residential, occupational, and/or recreational exposure were not evaluated in this HHRA. Adult and child (aged 0-6 years) recreators may be exposed to contaminants in outdoor air by breathing outdoor air while recreating along the UCR. They may also be exposed to contaminants in surface sediment, beach surface soil, and surface water on day trips to beaches (including swimming) or relict floodplains, to surface sediment, beach surface soil, and surface water while swimming on boating and camping trips, and they may also be exposed to contaminants by consuming fish caught from the UCR. It is assumed that young children represent the most sensitive and most highly exposed child receptor population and that evaluation of this age group will be protective of older children who may also recreate in the area.

3.1.3 Exposure Pathways

As described above, several types of media may be contaminated at the Site, including sediment, surface water, air, soil, and biota. Figure 3-1 presents the likely routes by which residential, recreational visitor, and outdoor worker populations might contact contaminants in the environment. As shown, receptors may be exposed to contaminants in primary, secondary, or tertiary environmental media by ingestion, inhalation, and dermal contact. Primary, secondary, and tertiary refer to how many steps the exposure medium is from the source of contamination.

[29] For lead, surface sediment exposure was not assessed for outdoor workers at public beaches because decisions based on the child recreator scenario are protective of the outdoor worker population.

"Primary" refers to the original source (e.g., the discharge point) of a chemical constituent, while "secondary" and "tertiary" sources are environmental media (abiotic or biotic) that receive chemical inputs from a primary (or secondary) source. For example, air is a primary source of contaminants from a smokestack, while soil is a secondary source (contaminants are first in the air, then deposited on soil). The terms do not convey any prioritization of importance, but rather refer to their transport in the CSM. Only exposure pathways considered complete (known with certainty to occur) and for which data were available were carried through the remainder of this HHRA.

3.1.3.1 Incidental Ingestion of Surface Soil

Even though few people intentionally ingest soil, residents who have direct contact with surface soils at the Site ingest small amounts that adhere to their hands during outdoor activities. In addition, children, especially those under 6 years of age, ingest more soil because of frequent hand-to-mouth or object-to-mouth behaviors. Incidental ingestion of soil is often one of the more important routes of human exposure at a site.

3.1.3.2 Dermal Contact with Surface Soil

Residents who contact contaminated soils may have soil adhere to their skin. Uptake of metals across the skin into the body from contact with soil is considered a minor exposure pathway because of the relatively low tendency of metals to cross the skin. However, dermal exposure to soil is a complete exposure pathway and, therefore, is evaluated for COPCs for which there are estimates of dermal absorption parameters (e.g., permeability coefficients or absorption fractions), including arsenic and cadmium (EPA, 2001c).

Quantifying uptake from dermal exposure to lead is not recommended because of the uncertainty in assigning a dermal absorption fraction that would apply to the numerous inorganic forms of lead that are typically found in the environment (including water, soil, or sediment). Furthermore, uptake of lead across the skin from contact with soil is generally considered a minor exposure pathway relative to incidental ingestion (because of the relatively low tendency of metals to cross the skin even when contact does occur). Therefore, exposure to lead via dermal contact with soil was not evaluated quantitatively in this risk assessment.

3.1.3.3 Incidental Ingestion of Indoor Dust

Outdoor soil is potentially tracked into buildings (such as residences), leading to contamination of indoor dust and subsequent ingestion via hand-to-mouth activities. Residents may be exposed to COPCs in indoor dust via incidental ingestion.

3.1.3.4 Incidental Ingestion of Surface Sediment at Public Beaches or Residential Beaches

A child or adult recreational visitor may engage in activities such as wading, splashing, swimming, or general beach-going activities at public beaches adjacent to the UCR. A resident may similarly recreate on beaches located on his or her property. Outdoor workers may also be in contact with sediment through occupational activities. Although it is not expected that any of these receptor populations intentionally ingest sediment, recreational, and occupational activities can lead to the incidental ingestion of small amounts of surface sediment.

3.1.3.5 Dermal Contact with Surface Sediment at Public Beaches or Residential Beaches

Skin contact with surface sediment can occur while engaged in recreational activities such as wading, splashing, swimming, or other activities on beaches. Receptor populations who can experience dermal contact with sediments include recreational visitors to the Site, residents who own property adjacent to the UCR (e.g., residential beaches) or outdoor workers. Uptake of metals across the skin from contact with sediment is generally considered a minor exposure pathway because of the relatively low tendency of metals to cross the skin. Lead was not assessed for the dermal pathway (as discussed in Section 3.1.3.2). However, dermal exposure to surface sediment is a complete exposure pathway and, therefore, was evaluated for non-lead COPCs with dermal absorption data (EPA, 2001c).

3.1.3.6 Incidental Ingestion of Surface Soil at Public Beaches and Relict Floodplains

A child or adult recreational visitor may engage in activities such as wading, splashing, swimming, or general beach-going activities at public beaches or on relict floodplains adjacent to the UCR. Outdoor workers may also be in contact with beach soil through occupational activities at public beach UDUs. Although it is not expected that any of these receptor populations intentionally ingest soil, recreational and outdoor worker activities can lead to the incidental ingestion of small amounts of beach surface soil at relict floodplains and upland areas of public beaches.

3.1.3.7 Dermal Contact with Surface Soil at Public Beaches and Relict Floodplains

Skin contact with surface soil can occur while engaged in recreational activities such as wading, splashing, swimming, or other activities on beaches or relict floodplains adjacent to the UCR. Receptor populations who can experience dermal contact with soils include recreational visitors to the Site and outdoor workers (at UDUs). Uptake of metals across the skin from contact with soil is generally considered a minor exposure pathway because of the relatively low tendency of metals to cross the skin. Lead was not assessed for the dermal pathway (as discussed in Section 3.1.3.2). However, dermal exposures to surface soil are complete exposure pathways and, therefore, were evaluated for non-lead COPCs with dermal absorption data (EPA, 2001c).

3.1.3.8 Incidental Ingestion of Public Beach Subsurface Soil and Subsurface Sediment

Outdoor workers may be in contact with subsurface soil or sediment at public beaches during occasional occupational activities such as digging holes, trenches, and footings, which can lead to the incidental ingestion of small amounts of soil or sediment. Subsurface soil data for the <149 µm fraction are only available for the 2015 Bossburg Flat beach SDUs; quantitative risk calculations could only be done using subsurface data from that sampling event. Subsurface sediment data for the <250 µm fraction are only available for the 2015 Bossburg Flat and Evans Campground beach SDUs and the former cable ferry landing sample (F-01); quantitative risk calculations could only be done using subsurface data from that sampling event.

Subsurface sediment core samples were collected at public beaches where discrete surface samples were collected during the 2009-2011 sampling event (see Section 2.6.2.2). The core samples were only sieved to the <2mm particle size fraction. The subsurface samples were

collected from 0-15, 15-30, and 30-45 cm depth intervals with soil cores.[30] Table 3-2 compares the mean concentrations of COPCs in the 0-15 cm depth interval (core sediment) to the concentrations in the entire 0-45 cm depth interval on a Site-wide comparison (comparisons for each beach are provided in Appendix 9). Table 3-2 shows that the Site-wide concentrations of COPCs in the subsurface sediment are similar to surface sediment concentrations. Thus, risk estimates based on Site-wide surface sediment exposure are unlikely to appreciably underestimate risks from exposure to subsurface sediment.

3.1.3.9 Dermal Contact with Public Beach Subsurface Soil and Subsurface Sediment

Outdoor workers engaged in occupational activities at beaches may be exposed to subsurface soil or sediment by skin contact. As noted previously, uptake of metals across the skin from contact with subsurface soil or sediment is generally considered a minor exposure pathway because of the relatively low tendency of metals to cross the skin (consequently, dermal exposure was not assessed for lead, as discussed in Section 3.1.3.2). However, dermal exposure to subsurface soil or sediment is a complete exposure pathway and, therefore, was evaluated for non-lead contaminants for which there are estimates of dermal absorption parameters (e.g., permeability coefficients or absorption fractions). For most public beaches, subsurface sediment data are only available for the <2 mm particle size (see previous section for further discussion); quantitative risk calculations could only be done using subsurface data from the 2015 Bossburg Flat and Evans Campground sampling event.

3.1.3.10 Incidental Ingestion of UCR Surface Water

A child or adult recreational visitor, or a resident with a beach on his or her property, may engage in activities such as wading, splashing, swimming, general beach-going, or fishing at public/private beaches along the UCR. Outdoor workers may also be in contact with UCR surface water at public beaches along the UCR. Although it is not expected that these receptors intentionally ingest surface water, such activities can lead to the incidental ingestion of small amounts of surface water.

3.1.3.11 Dermal Contact with UCR Surface Water

Skin contact with surface water can occur while engaged in recreational activities such as wading, splashing, swimming, or other activities on beaches, as well as occupational activities. Receptor populations who can experience dermal contact with surface water include recreational visitors to the Site, residents who own beaches, and outdoor workers. As with dermal contact with sediment and soil, uptake of metals across the skin from contact with surface water is generally considered a minor exposure pathway because of the relatively low tendency of metals to cross the skin (dermal exposure was not assessed for lead, as discussed in Section 3.1.3.2). However, dermal contact with surface water is a complete exposure pathway and, therefore, was evaluated for non-lead COPCs for which there are estimates of dermal absorption parameters (e.g., permeability coefficients or absorption fractions).

[30] IC samples were also collected in 2015 from the subsurface at SDUs located at Bossburg Flats Beach and Evans Campground Beach.

3.1.3.12 Ingestion of Groundwater

In the HHRA Work Plan (SRC, 2009), ingestion of groundwater was considered a potentially complete exposure pathway. Further evaluation of water quality monitoring records for all public water systems (including well-sourced systems) in the northern portion of the Site resulted in a conclusion that groundwater/well water is an incomplete exposure pathway (CH2MHill, 2018b). Although groundwater/well water may be utilized by local residents, there is not a compete pathway from Site-related contaminants to groundwater. Detailed information regarding this evaluation is found in Appendix 10. Therefore, this pathway was not evaluated in this HHRA.

3.1.3.13 Inhalation of Airborne Particulates in Outdoor Air

The Teck smelter in Trail, B.C. continues to operate and release aerial emissions. Although Teck implemented a process change in the lead smelting operation that lowered emissions in the 1990s, arsenic, cadmium, lead, and zinc were detected in air samples collected at a station near Northport (Figure 2-12) from 1999 through 2009; as noted above, data collected from 2002 through 2009 were utilized in this HHRA. More recent air monitoring data from the Site are not available but may be lower than data used in this assessment[31] (Figure 2-13). In addition, whenever contaminated soils are exposed at the surface, fine-grained particles of contaminated surface soil may become suspended in air by wind or human disturbance and inhaled. In cases where the soil is disturbed only by wind or walking, it is assumed that the amount of particulate material inhaled from air is generally quite small compared to the amount that is typically assumed for incidental ingestion. Residents, recreational visitors, and outdoor workers engaging in activities outdoors at the Site may inhale COPCs in outdoor air.

3.1.3.14 Inhalation of Airborne Particulates in Indoor Air

As described in the previous section, COPCs in soil may become suspended in air by wind or human disturbance. Outdoor air may be transferred indoors via open windows and/or doors. In the absence of Site-specific data, concentrations of COPCs in air inside residences were assumed equal to concentrations in outdoor air. For residents, time spent inside the home and time spent outdoors have been estimated on a nationwide basis, as described in the EPA Exposure Factors Handbook (EPA, 2011a).

3.1.3.15 Consumption of Fish

Adult and child recreational visitors and residents with and without beaches on their property consuming locally-caught fish may ingest COPCs that accumulate in edible portions (e.g., fillets) of fish from the UCR.

3.1.3.16 Inhalation of Sweat Lodge Air

Residents who participate in sweat lodge activities may contact COPCs in UCR surface water that is heated by contact with heated rocks in the sweat lodges. Because non-volatile metals will not vaporize at sweat lodge temperatures, intake of metals will be from ingestion of inhaled water droplets rather than from absorption from the respiratory tract. Ingestion of COPCs in surface water spray in a sweat lodge is a negligible contributor to risks, relative to ingestion of

[31] For additional air monitoring data from Trail since 2009, see http://www.thep.ca/pages/airquality and https://pollution-waste.canada.ca/national-release-inventory/archives/index.cfm?do=facility_history&lang=En&opt_npri_id=0000003802&opt_report_year=2017.

unfiltered disturbed surface water from direct contact during other water activities such as swimming and wading. As such, this exposure pathway, though complete, was not quantitatively evaluated (see Appendix 3 for more detailed discussion).

3.2 Selection of Chemicals of Potential Concern (COPCs)

The HHRA work plan for the UCR Site (SRC, 2009) presented a list of initial COIs developed using information about known and potential sources of contamination and data obtained during investigations and monitoring events near or at the Site. The COI list included metals and metalloids, pesticides, SVOCs, PAHs, PCBs, dioxins/furans, PBDEs, and radionuclides associated with the uranium-238 decay chain. COIs were evaluated in a risk-based screen to identify COPCs described below. The list of COIs analyzed differed by each medium depending on the Site-specific data collected during RI sampling events.

Typically, only a few contaminants at a site are responsible for most of the human health risk because of the concentrations present, the toxicity of the contaminants, and their behavior in environmental media (e.g., fate and transport, mobility, bioaccumulation potential). At large complex sites such as the UCR, a key step in data evaluation is reducing the number of COIs for each medium to a smaller number of COPCs. This allows the HHRA to focus on the contaminants that are likely to be driving risk. Guidance for selecting COPCs is provided in the EPA's *Risk Assessment Guidance for Superfund (RAGS) Part A* (EPA, 1989), as well as the *Soil Screening Guidance: User's Guide* (EPA, 1996c) and *Technical Background Document* (EPA, 1996b). These selection criteria generally include the frequency with which a COI is detected, whether it is considered an essential human nutrient, its concentration relative to background (non-site-related) concentrations, and its concentration relative to a toxic concentration (through comparison to risk-based screening levels [RBSLs]). Comparison of COI concentrations to background concentrations was not conducted as part of the selection of COPCs for this Site. Information on background for inorganic COPCs in soil is presented in Section 6 of this HHRA.

In the absence of policy that incorporates findings from current scientific literature (the Office of Land and Emergency Management [OLEM] Directive 9200.2-167; EPA, 2016a) that supports a specific target blood lead concentration (PbB), lead is considered a COPC in exposure media where it is found at concentrations that are above the detection limit. Lead was retained as a COPC for all environmental media.

3.2.1 COPC Screening Process

Specific methods for screening non-lead COIs to determine COPCs in each medium are described in the following subsections, but follow the general steps listed below:

1. Calculate the frequency of detection of each COI in the medium. Retain any COI that is detected at a frequency of ≥5%.
2. Remove essential human nutrients that have no toxicity values (i.e., calcium, magnesium, potassium and sodium).
3. Calculate medium-specific RBSLs for each COI based on the exposure scenario that results in the highest exposure; remove any COI with a maximum detected concentration that is less than the RBSL for that medium.

The presence of COIs above levels of detection may vary spatially, because of source locations and release rates, fate and transport mechanisms, and other local conditions. Therefore, in addition to Site-wide detection frequencies, detection frequencies were also calculated by river reach (for beach sediment, surface water and fish tissue), and by species (for fish tissue). If a COI was detected at a frequency of ≥5% within a reach or within a species, that COI was added to the Site overall COPC list for that medium. River reach- and species-specific COPC lists were not developed.

3.2.2 Calculating Risk-Based Screening Levels (RBSLs)

RBSLs were calculated following the Regional Screening Level (RSL) approach described by EPA on its "*Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites*" screening level/preliminary remediation goal (PRG) website.[32] This website (referred to herein as the "RSL Calculator" [EPA, 2019a]) provides current toxicity values, default exposure parameters, and equations for calculating RBSLs. These screening levels are not clean-up levels, but rather are intended to determine whether measured levels of COIs warrant further investigation at a site.

RBSLs are generally based on full-time residential exposure, because exposure parameters for residents typically yield higher exposures than for other receptor populations. However, at the UCR Site, tribal receptors may have greater exposure to various media than predicted by standard residential exposure parameters, depending on the exposure scenario. To determine the RBSL to be used to screen COIs for each medium, intake for each receptor population potentially exposed to the medium (based on the CSM) was estimated as shown in Table 3-3. The exposure parameters associated with the receptor population with the greatest potential exposure ("Intake for Screening" in Table 3-3) were entered using the "site-specific" function of the RSL Calculator to determine the RBSL for that medium. The COI screen was conducted for all receptor populations.

RBSLs were calculated using an excess cancer risk of 10^{-6} and a hazard quotient (HQ) of 0.1. Current toxicity values for COIs are included in the RSL Calculator.[33] Based on the antimony, mercury, and vanadium species expected to exist in Site soils, the RSL Calculator toxicity values for metallic antimony, mercury,[34] and vanadium and compounds (respectively) were selected for these analytes (Diamond and Thayer, 2011a, 2011b, 2012). In the absence of speciation information for nickel and thallium, the available toxicity values for compounds containing these elements were evaluated and the following were selected: for nickel, the toxicity values for nickel refinery dust were used,[35] and for thallium, the toxicity values for soluble thallium salts

[32] http://www.epa.gov/risk/regional-screening-levels-rsls.
[33] The 2013 Agency for Toxic Substances and Disease Registry (ATSDR) intermediate-duration oral minimal risk level (MRL) for uranium is recommended for use as the chronic oral reference dose (RfD) by EPA (2016b, 2019a).
[34] The toxicity value for methylmercury was used in the RBSL calculation for tissue. For soil, sediment, and surface water, the toxicity value for mercuric chloride was used (SRC, 2015a).
[35] For nickel, the toxicity values for nickel refinery dust were used for solid media. For surface water, nickel refinery dust is not an appropriate toxicity value, as the dissolved fraction of the metal in surface water is most relevant. For this medium, the toxicity value for nickel soluble salts was used.

were used. For chromium, toxicity values for both tri- and hexavalent species were retained, and screening was performed using the toxicity values for hexavalent chromium (Cr(VI)).[36] For COIs with both a carcinogenic and noncarcinogenic RBSL, the lower of the two values was used for screening. If a chronic toxicity value for a COI was not listed in the RSL Calculator, the following sources were consulted for updated information since the last RSL Calculator update, according to Office of Solid Waste and Emergency Response (OSWER) Directive 9285.7-53 (EPA, 2003d) for the hierarchy of toxicity values:

Tier 1:

- EPA's Integrated Risk Information System (IRIS)[37]

Tier 2:

- EPA's Provisional Peer-Reviewed Toxicity Values for Superfund (PPRTVs)[38]

Tier 3:

- California EPA[39]
- Agency for Toxic Substances and Disease Registry (ATSDR) Minimal Risk Levels (MRLs)[40]
- EPA Health Effects Assessment Summary Tables (HEAST)[41]

As Tier 3 allows for other sources of toxicity values not enumerated in EPA (2003d), the following sources were also consulted for chronic toxicity values:

- Health Canada[42]
- World Health Organization (WHO) Environmental Health Criteria[43]
- Texas Commission on Environmental Quality[44]

As discussed in the HHRA work plan (SRC, 2009), COIs that do not have a Tier 1, 2, or 3 chronic toxicity value from the sources listed above, or that do not have an appropriate surrogate toxicity value from a chemical similar in composition as specified in the work plan, were removed from quantitative consideration as a COPC. These are discussed qualitatively in Section 6.

For COI screening, concentrations of dioxins, furans, and dioxin-like PCB congeners were converted to TEQs for comparison with the RBSL for TCDD. Concentrations of detected non-dioxin-like congeners or detected Aroclors were summed for comparison with the RBSL for total PCBs. If a sample was analyzed for both PCB congeners and Aroclors, the maximum of the two

[36] These toxicity values, and those for the other COIs, are discussed in more detail in Section 4.
[37] https://cfpub.epa.gov/ncea/iris2/atoz.cfm.
[38] https://hhpprtv.ornl.gov/quickview/pprtv.php.
[39] http://www.oehha.ca.gov/risk/chemicalDB//index.asp.
[40] http://www.atsdr.cdc.gov/mrls.html.
[41] https://cfpub.epa.gov/ncea/risk/recordisplay.cfm?deid=2877.
[42] https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications.html.
[43] http://www.who.int/ipcs/publications/ehc/en/.
[44] https://www.tceq.texas.gov/toxicology.

summed values was used as the total PCB result. PBDE congeners that lack toxicity values were summed in any exposure medium in which they were detected and included in the discussion of chemicals without toxicity values in the uncertainty section (Section 6). Specific screening methods for exposure media are discussed below.

3.2.3 Surface Water Chemical of Interest (COI) Screening

Surface water is a primary medium at the Site with potential contamination from COIs. Surface water data were collected in 3 sampling rounds from multiple transects in the UCR in 2009 and 2010 as described in the QAPP (TAI, 2009c) and summarized in Exponent (2013b). The maximum detected COI concentrations measured in unfiltered (total), disturbed surface water samples from UCR Reaches 1 through 6 were compared to RBSLs. Results were used to evaluate incidental ingestion of and dermal contact with surface water while swimming and wading, and during other activities near the shore. The following approach was used to select COPCs for surface water:

1. Calculate the frequency of detection of each COI in disturbed (total) surface water for Reaches 1-6 and reach-by-reach; retain COIs that are detected at a frequency of ≥5% for all reaches combined or reach-by-reach.[45]
2. Remove essential human nutrients that have no toxicity values (i.e., calcium, magnesium, potassium and sodium).
3. Calculate RBSLs for each non-lead COI with the RSL Calculator using the residential scenario with exposure parameters derived from the Tribal Survey (Table 3-3). Compare maximum detected concentrations for each non-lead COI to RBSLs.
4. Remove any COI whose maximum detected concentration is less than the RBSL for surface water.

The RSL Calculator (with Site-specific exposure parameters) was used to calculate the RBSL for incidental ingestion and dermal contact with surface water for adult and child residents using Site-specific exposure parameters. The RBSL used in the COI screen was the lower of the cancer or non-cancer RBSL for that substance. The surface water COI screen is shown in Table 3-4.[46] If the maximum detected concentration of a COI with a detection frequency >5% exceeded the RBSL, that COI was identified as a COPC. Surface water COPCs that have toxicity values and had measured concentrations that exceeded RBSLs and were evaluated quantitatively in this HHRA are:

- Aluminum
- Antimony
- Arsenic/Inorganic arsenic

[45] For surface water, the frequency of detection for each analyte is the number of valid samples with concentrations above the analytical detection limit across all rounds of sampling divided by the total number of samples submitted for laboratory analysis that had valid results. This applies to detection frequencies that were calculated for Reaches 1-6 and on a reach-by-reach basis.

[46] COIs that were never detected in surface water are not listed in Table 3-4.

- Barium
- Beryllium
- Chromium
- Cobalt
- Iron
- Lead
- Manganese
- Thallium
- Uranium
- Vanadium

3.2.4 Beach Sediment and Soil COI Screening

Sediment is a primary medium at the Site with potential contamination from COIs in solid materials (e.g., slag) discharged to the river. Public beach sediment (and beach soil) data were collected from 15 beaches in 2005,[47] 7 beaches in 2009 and 2010, 26 beaches in 2011 (TAI, 2009b, 2010b, 2010c, 2013b), and 2 beaches in 2015 (TAI, 2016a); some beaches were sampled more than once. These data are summarized in EPA (2006b, 2006c, and 2006d) and TAI (2014a, 2016a, and 2017b). Sediment data were also collected from beaches on residential properties in 2014 and 2016 (SRC, 2014a; TAI, 2016b) and are summarized in CH2MHill (2016a) and TAI (2017a). Finally, relict floodplain data were collected as part of the 2014 upland soil study as described in TAI (2015a); in this risk assessment, these samples were evaluated as soil samples.

Sediment and beach soil data were screened for COPCs by data set as follows: 1) public beach surface sediment (all beaches sampled from 2005 to 2015)[48], 2) public beach surface soil (Bossburg Flat Beach UDUs), 3) public beach subsurface sediment (all beaches sampled from 2009 to 2015), 4) public subsurface soil (Bossburg Flat Beach UDUs), 5) residential beach

[47] http://www.ucr-rifs.com/assets/Docs/EPA-Beach-Screening-Results/Draft-UCR-Beach-Screen-RA-082806.pdf.

[48] For public beach sediment, data from 2005 bulk samples (0-15 cm) were used for beaches that were not sampled in 2009, 2010, or 2011. Also, 2005 dioxin/furan results were used for beaches that were resampled in 2009-2011 but not analyzed for dioxins/furans. During the 2009-2011 sampling event, core samples were collected, sieved to <2 mm, and analyzed for dioxins/furans, metals, PAHs, PBDEs, PCBs, pesticides/herbicides, and SVOCs. Section 2.7.2.2 above details methods for handling PCB data. Results from the 0-15 cm depth interval were used. Approximately five surface composite samples were also collected from each beach and analyzed for metals in the <2 mm grain size fraction (GSF). One composite sample from each beach also had additional metals analysis done for the <63, 63-125, and 125-250 µm GSFs so that results in the <250 µm GSF could be calculated. The calculated <250 µm results were flagged as detected if the <2 mm GSF sample was detected. Some samples were reanalyzed for metals concentrations in the <250 µm GSF in 2013. For these reanalyzed samples, the 2013 measured <250 µm result was used in lieu of the original calculated <250 µm result. The 2009-2011 metal results from core samples were not used, as the <250 µm results from the surface composite samples were preferred. In 2015, samples were collected from 10 SDUs located at the Bossburg Flat and Evans Campground beaches and analyzed for metals. Results from the composite surface samples (0-15 cm) that were sieved to <250 µm were included in the screen.

surface sediment, and 6) relict floodplain surface soil. Each of those screens is described separately below.

3.2.4.1 Public Beach Surface Sediment

The following approach was used to select COPCs for public beach surface sediment:

1. Calculate the frequency of detection of each COI in surface sediment on both a Site-wide and reach-by-reach basis; retain COIs that are detected at a frequency of ≥5% on a Site-wide or reach-by-reach basis.[49]
2. Remove essential human nutrients that have no toxicity values (i.e., calcium, magnesium, potassium and sodium).
3. Calculate RBSLs for each non-lead COI with the RSL Calculator using the Site-specific exposure parameters for the outdoor worker scenario for public beaches (Table 3-3). Compare maximum detected concentrations for each non-lead COI to public beach RBSLs.
4. Remove any COI whose maximum detected concentration in public beach surface sediment is less than the RBSL.

The RSL Calculator (with Site-specific exposure parameters as described above) was used to calculate the RBSL for incidental ingestion and dermal contact with public beach surface sediment. The RBSL used in the COI screen was the lower of the cancer or non-cancer RBSL. The public beach surface sediment COI screen is shown in Table 3-5.[50] Public beach surface sediment COPCs that have toxicity values and had measured concentrations that exceeded RBSLs and were evaluated quantitatively are:

- Antimony
- Arsenic
- Chromium
- Iron
- Lead

3.2.4.2 Public Beach Surface Soil

The following approach was used to select COPCs for public beach surface soil:

[49] The frequency of detection for each organic analyte is the number of valid samples with concentrations above the analytical detection limit across all years of sampling divided by the total number of organic samples in the data set that had valid results. The frequency of detection for each inorganic analyte is based on the number of valid samples with concentrations above the analytical detection limit from 2009-2015 plus the number of valid samples with concentrations above the analytical detection limit from 2005 divided by the total number of inorganic samples in the data set that had valid results. This applies to detection frequencies that were calculated both for Reaches 1-6 and reach-by-reach.

[50] COIs that were never detected in public beach surface sediment are not listed in Table 3-5.

1. Calculate the Site-wide frequency of detection of each COI in surface soil; retain COIs that are detected at a frequency of ≥5%.[51]
2. Remove essential human nutrients that have no toxicity values (i.e., calcium, magnesium, potassium and sodium).
3. Calculate RBSLs for each non-lead COI with the RSL Calculator using the Site-specific exposure parameters for the outdoor worker scenario for public beaches (Table 3-3). Compare maximum detected concentrations for each non-lead COI to public beach RBSLs.
4. Remove any COI whose maximum detected concentration in public beach surface soil is less than the RBSL.

The RSL Calculator (with Site-specific exposure parameters as described above) was used to calculate the RBSL for incidental ingestion and dermal contact with public beach surface soil. The RBSL used in the COI screen was the lower of the cancer or non-cancer RBSL. The public beach surface sediment COI screen is shown in Table 3-6. Public beach surface soil COPCs that have toxicity values and had measured concentrations that exceeded RBSLs and were evaluated quantitatively are:

- Arsenic
- Chromium
- Lead

3.2.4.3 Public Beach Subsurface Sediment

Outdoor workers may be exposed to subsurface sediment at public beaches during occasional occupational activities (i.e., digging holes, trenches, footings, etc.; Figure 3-1). Subsurface sediment data collected in 2009-2011 (<2 mm size fraction) and 2015 (<250 µm size fraction) were used to conduct an additional COI screen for outdoor workers.

The following approach was used to select COPCs for public beach subsurface sediment:

1. Calculate the frequency of detection of each COI in subsurface sediment on both a Site-wide and reach-by-reach basis; retain COIs that are detected at a frequency of ≥5% on a Site-wide or reach-by-reach basis.[52]

[51] For public beach soil, the frequency of detection for each inorganic analyte is based on the number of valid samples with concentrations above the analytical detection limit divided by the total number of inorganic samples in the data set that had valid results.

[52] During the 2009-2011 sampling event, core samples (0-15, 15-45, and 45-75 cm) were collected, sieved to <2 mm, and analyzed for dioxins/furans, metals, PAHs, PBDEs, PCBs, pesticides/herbicides, and SVOCs. Results from the 0-15 and 15-45 cm depth intervals were used in the subsurface sediment screen. In 2015, samples were collected from 10 SDUs located at the Bossburg Flat and Evans Campground beaches and analyzed for metals. Results from core samples (0-15, 15-30, and 30-45 cm) that were sieved to <250 µm were used in the subsurface sediment screen. For each core, the maximum concentration across depth intervals (above 45 cm) was used as the result for that core in the subsurface sediment screen. Only one result per core, per analyte was used in the screen.

2. Remove essential human nutrients that have no toxicity values (i.e., calcium, magnesium, potassium and sodium).
3. Calculate RBSLs for each non-lead COI with the RSL Calculator using the Site-specific exposure parameters for the outdoor worker scenario for public beaches (Table 3-3). Compare maximum detected concentrations for each non-lead COI to public beach RBSLs.
4. Remove any COI whose maximum detected concentration in public beach subsurface sediment is less than the RBSL.

The RSL Calculator (with Site-specific exposure parameters as described above) was used to calculate the RBSL for incidental ingestion and dermal contact with public beach subsurface sediment. The RBSL used in the COI screen was the lower of the cancer or non-cancer RBSL. The public beach subsurface sediment COI screen is shown in Table 3-7.[53] Public beach subsurface sediment COPCs that have toxicity values and had measured concentrations that exceeded RBSLs and were evaluated quantitatively are:

- Antimony
- Arsenic
- Chromium
- Cobalt
- Iron
- Lead
- Manganese

3.2.4.4 Public Beach Subsurface Soil

Outdoor workers may also be exposed to subsurface soil at public beaches during occasional occupational activities (i.e., digging holes, trenches, footings, etc.). Subsurface soil data collected from Bossburg Flat Beach UDUs in 2015 were used to conduct an additional COI screen for outdoor workers.

The following approach was used to select COPCs for public beach subsurface soil:

1. Calculate the Site-wide frequency of detection of each COI in subsurface soil; retain COIs that are detected at a frequency of ≥5%.[54]

The frequency of detection for each analyte is the number of cores with valid result concentrations above the analytical detection limit across all years of sampling divided by the total number of cores in the data set that had valid results. This applies to detection frequencies that were calculated for both Reaches 1-6 and reach-by-reach.

[53] COIs that were never detected in public beach subsurface sediment are not listed in Table 3-7.

[54] During the 2015 sampling event, core samples (0-15 and 15-45 cm) that were sieved to <250 µm were used in the subsurface soil screen. For each core, the maximum concentration across depth intervals (above 45 cm) was used as the result for that core in the subsurface soil screen. Only one result per core, per analyte was used in the screen. The frequency of detection for each analyte is the number of cores with valid result concentrations above the analytical detection limit divided by the total number of cores in the data set that had valid results.

2. Remove essential human nutrients that have no toxicity values (i.e., calcium, magnesium, potassium and sodium).
3. Calculate RBSLs for each non-lead COI with the RSL Calculator using the Site-specific exposure parameters for the outdoor worker scenario for public beaches (Table 3-3). Compare maximum detected concentrations for each non-lead COI to public beach RBSLs.
4. Remove any COI whose maximum detected concentration in public beach subsurface soil is less than the RBSL.

The RSL Calculator (with Site-specific exposure parameters as described above) was used to calculate the RBSL for incidental ingestion and dermal contact with public beach subsurface soil. The RBSL used in the COI screen was the lower of the cancer or non-cancer RBSL. The public beach subsurface soil COI screen is shown in Table 3-8. Public beach subsurface soil COPCs that have toxicity values and had measured concentrations that exceeded RBSLs and were evaluated quantitatively are:

- Arsenic
- Chromium
- Lead

3.2.4.5 Residential Beach Surface Sediment

The following approach was used to select COPCs for residential beach sediment:

1. Calculate the frequency of detection of each COI in residential beach sediment; retain COIs that are detected at a frequency of ≥5%.[55]
2. Remove essential human nutrients that have no toxicity values (i.e., calcium, magnesium, potassium and sodium).
3. Calculate RBSLs for each non-lead COI with the RSL Calculator using the Site-specific exposure parameters for the resident child scenario (Table 3-3). Compare maximum detected concentrations for each non-lead COI to RBSLs.
4. Remove any COI whose maximum detected concentration in residential beach sediment is less than the RBSL.

The RSL Calculator (with Site-specific exposure parameters) was used to calculate the RBSL for incidental ingestion and dermal contact with sediment. The RBSL used in the COI screen was the lower of the cancer or non-cancer RBSL. The residential beach surface sediment COI screen is shown in Table 3-9. Residential beach sediment COPCs that have toxicity values and had measured concentrations that exceeded RBSLs and were evaluated quantitatively are:

[55] Residential beach samples were collected from within the 0-15 cm depth interval at 22 DUs (including one tribal allotment beach). Samples were sieved to <250 µm and were analyzed for metals. The frequency of detection for each analyte is the number of valid samples with concentrations above the analytical detection limit divided by the total number of samples submitted for laboratory analysis that had valid results.

- Antimony
- Arsenic
- Chromium
- Cobalt
- Iron
- Lead
- Manganese
- Thallium

3.2.4.6 Relict Floodplain Surface Soil

The following approach was used to select COPCs for surface soil in relict floodplains:

1. Calculate the frequency of detection of each COI in relict floodplain surface soil; retain COIs that are detected at a frequency of ≥5%.[56]
2. Remove essential human nutrients that have no toxicity values (i.e., calcium, magnesium, potassium and sodium).
3. Calculate RBSLs for each non-lead COI with the RSL Calculator using the residential scenario with exposure parameters for the recreational visitor (Table 3-3). Compare maximum detected concentrations for each non-lead COI to relict floodplain RBSLs.
4. Remove any COI whose maximum detected concentration in relict floodplain surface soil is less than the RBSL.

The RSL Calculator (with Site-specific exposure parameters as described above) was used to calculate the RBSL for incidental ingestion and dermal contact with relict floodplain surface soil. For adult and child residents those Site-specific exposure parameters were used in the Calculator. The RBSL used in the COI screen was the lower of the cancer or non-cancer RBSL. The relict floodplain surface soil COI screen is shown in Table 3-10. Relict floodplain surface soil COPCs that have toxicity values and had measured concentrations that exceeded RBSLs and were evaluated quantitatively are:

- Arsenic
- Chromium
- Lead

[56] Relict floodplain samples were collected from 0-7.5 cm depth interval at 16 RFDAs. Samples were sieved to <149 µm and <2 mm and were analyzed for metals. Only the <149 µm results were used in the screen. The frequency of detection for each analyte is the number of valid samples with concentrations above the analytical detection limit divided by the total number of samples submitted for laboratory analysis that had valid results.

3.2.5 Outdoor Air COI Screening

Outdoor air is a primary medium at the Site, potentially receiving COIs from current mining and smelting operations and ambient air (Figure 3-1). Outdoor air data collected from the Sheep Creek monitoring station from January 2002 through February 2009 (CH2MHill, 2015)[57] were used to screen COIs and identify COPCs using the following approach:

1. Calculate the frequency of detection of each COI in outdoor air; retain COIs that are detected at a frequency of ≥5%.[58]
2. Calculate RBSLs for each non-lead COI with the RSL Calculator using the residential scenario with exposure parameters derived from the Tribal Survey (Table 3-3). Compare maximum detected concentrations for non-lead COIs to RBSLs.
3. Remove any COI whose maximum detected concentration is less than the RBSL for outdoor air.

The RSL Calculator (with Site-specific exposure parameters as described above) was used to calculate the RBSL for inhalation of outdoor air. The RBSL used in the COI screen was the lower of the cancer or non-cancer RBSL. The outdoor air COI screen is shown in Table 3-11. Outdoor air COPCs that have toxicity values and had measured concentrations that exceeded RBSLs and were evaluated quantitatively are:

- Arsenic
- Cadmium
- Lead

3.2.6 COI Screening for Secondary and Tertiary Media

Secondary and tertiary media at the Site include soil, fish and macroinvertebrates, terrestrial (wild and cultivated) and aquatic plants, sweat lodge air, indoor dust and air, birds, mammals, reptiles and amphibians (Figure 3-1). Some of these media have been sampled and analyzed for COI concentrations. These include soil (sampled in 2014 and 2016), cultural (wild) terrestrial and aquatic plants (sampled in 2018), and fish and macroinvertebrates (sampled in 2005, 2009, 2016, and 2018). COI screening for crayfish, mussels, amphibians/reptiles, waterfowl, plants, upland birds, and wild game (mammals) is detailed in Appendix 1. While sweat lodge air is a secondary medium at the Site, it was not quantitatively evaluated as an exposure pathway separate from the incidental ingestion of UCR surface water (Appendix 3). Methods for screening COIs for secondary and tertiary media are described below.

[57] ECY has predicted average air concentrations near Northport for February 2009 through December 2014 using a regression model (ECY, 2017a, 2017b). These predicted data were not used in the COI screen, since they do not differ substantially from the measured data.

[58] For outdoor air, the frequency of detection for each analyte is the number of valid samples with concentrations above the analytical detection limit across all rounds of sampling divided by the total number of samples submitted for laboratory analysis that had valid results across all years.

3.2.6.1 Soil COI Screening

Soil is a secondary medium at the Site, receiving input from airborne contaminants that deposit on surface soil (Figure 3-1). Surface soil data were collected in 3 sampling efforts in 2014 through 2016 (TAI, 2014b, 2016b; SRC, 2014a, HDR et al., 2015a and 2015b). Data from these soil studies have been summarized in TAI (2015a), CH2MHill (2016a), TAI (2016a), and TAI (2017a). The TAI (2015a) soil data ("Upland Soil Study data") that were used for the COI screen were collected from 142 large, undeveloped ADAs near the UCR. The 2014 and 2016 soil data described in CH2MHill (2016a) and TAI (2017a) ("Residential Soil Study Data") were collected from residential properties (including tribal allotments). The 28 residential soil DUs subject to TCRA/VRA removal actions that occurred from 2015 through 2018 were included in the COI screen using the maximum backfill concentration of each COI, rather than the initial concentration sampled in 2014 or 2016 (Table 3-12).[59] COIs were screened separately for the Residential, Upland, and Bossburg Flat Soil Study data.

COPCs for soil were selected as follows:

1. Calculate the frequency of detection of each COI in soil; retain COIs that are detected at a frequency of ≥5%. This was done separately for the Residential Soil Study data and the Upland Soil Study data.[60]
2. Remove essential human nutrients that have no toxicity values (i.e., calcium, magnesium, potassium and sodium).
3. Calculate RBSLs for each non-lead COI with the RSL Calculator using the Site-specific exposure parameters for the resident child scenario (Table 3-3). Compare maximum detected concentrations for each non-lead COI to RBSLs.
4. Remove any COI whose maximum detected concentration in Residential or Upland soil is less than the RBSL.

The RSL Calculator (with Site-specific exposure parameters) was used to calculate the RBSL for incidental ingestion and dermal contact with soil. The RBSL used in the COI screen was the lower of the cancer or non-cancer RBSL. The residential and upland soil COI screens are shown in Tables 3-13 and 3-14.

Residential soil COPCs that have toxicity values and had measured concentrations that exceeded RBSLs and were evaluated quantitatively are:

- Aluminum

[59] This DU count includes 2 DUs (203-O3 and 203-O4) that were on one of the properties sampled in the 2016 residential soil study, but that were sampled in 2018 rather than in 2016. Information concerning TCRA/VRA removals is current through June 20, 2019.

[60] For upland soil, while results for both the <149 µm and <2 mm GSFs were reported, only results from the <149 µm GSF were used here. The frequency of detection for each analyte is the number of valid samples with concentrations above the analytical detection limit divided by the total number of samples submitted for laboratory analysis that had valid results. For residential soil, the frequency of detection for each analyte is the number of valid samples with concentrations above the analytical detection limit divided by the total number of samples submitted for laboratory analysis that had valid results across both years.

- Antimony
- Arsenic
- Cadmium
- Chromium
- Cobalt
- Iron
- Lead
- Manganese
- Nickel
- Thallium
- Vanadium

Upland soil COPCs that have toxicity values and had measured concentrations that exceeded RBSLs and were evaluated quantitatively are:

- Aluminum
- Antimony
- Arsenic
- Cadmium
- Chromium
- Cobalt
- Iron
- Lead
- Manganese
- Thallium
- Vanadium

3.2.6.2 Fish COI Screening

Fish are secondary media at the Site, contacting contaminants in surface water and sediment (Figure 3-1). Fish data collected in 2005 were available at the time the HHRA work plan (SRC, 2009) was written. To supplement those data, additional fish were collected in 2009 from six reaches of the UCR (TAI, 2013a), hatchery white sturgeon were collected from four UCR reaches in 2016 (CH2MHill, 2016b), and northern pike were collected in 2018 from the area between Gifford and Northport, Washington (CH2MHill, 2018a). For the fish COI screen, data for fillets of fish larger than 30 cm from all sampling locations were compiled. This includes

skin-on fillets of rainbow trout, walleye, burbot, smallmouth bass, kokanee, whitefish, and largescale suckers sampled in 2005 and 2009, skinless fillets of sturgeon sampled in 2016, and skinless fillets of northern pike sampled in 2018. These data were evaluated as follows:

1. Calculate the frequency of detection of each COI in fish tissue on a Site-wide, reach-by-reach, or species-by-species basis; retain COIs that are detected at a frequency of ≥5% on a Site-wide, reach-by-reach, or species-by-species basis.[61]
2. Remove essential human nutrients that have no toxicity values (i.e., calcium, magnesium, potassium and sodium).
3. Select RBSLs for each non-lead COI using the residential scenario with exposure parameters derived from Tribal Survey (Table 3-3). Compare maximum detected concentrations for each non-lead COI to RBSLs.
4. Remove any COI whose maximum detected concentration is less than the RBSL.

The RSL Calculator (with Site-specific exposure parameters) was used to calculate the RBSL. For the adult resident, those Site-specific exposure parameters were used in the Calculator. The RBSL used in the COI screen was the lower of the cancer or non-cancer RBSL. The fish COI screen is shown in Table 3-15. Fish COPCs that have toxicity values and had measured concentrations that exceeded RBSLs and were evaluated quantitatively are:

- 4,4'-DDE
- Aluminum
- Antimony
- Arsenic[62]
- Bis(2-ethylhexyl)phthalate
- Chromium
- Dieldrin
- Heptachlor epoxide
- Hexachlorobenzene
- Lead
- Methylmercury[63]

[61] For fish, the frequency of detection for each analyte is the number of valid samples with concentrations above the analytical detection limit across all years of sampling and species of fish divided by the total number of valid samples submitted for laboratory analysis across all years of sampling and species of fish. This applies to detection frequencies that were calculated for Reaches 1-6, and on a reach-by-reach and species-by-species basis.
[62] See Section 4.5 for discussion of evaluation of arsenic/inorganic arsenic in fish.
[63] Mercury was analyzed using EPA Method 1631e, which only measures total mercury. In fish, methylmercury and inorganic mercury are absorbed by the gut; methylmercury is then transferred to blood and distributed to other body tissues (Ribeiro et al., 1999), ultimately accumulating in skeletal muscle tissue. As a result, most mercury in the

- PBDE congener 47
- Selenium
- TEQ (dioxin-like PCBs and dioxins/furans)
- Thallium
- Total PCBs
- Zirconium

3.2.6.3 Sweat Lodge Air COI Screening

Sweat lodge air is a secondary medium at the Site that may be impacted by contaminants in surface water if they are vaporized or aerosolized when the water is poured over heated rocks in the sweat lodge (Figure 3-1). However, non-volatile metals will not vaporize at sweat lodge temperatures. Therefore, for the sweat lodge exposure scenario, intake is assumed to occur via ingestion of dissolved contaminants in surface water that is sprayed from contact with heated rocks inside the sweat lodge. Relative to ingestion of UCR surface water during in-water activities, ingestion of dissolved COPCs in surface water spray in sweat lodges is a negligible contributor to risk and was not quantitatively evaluated in this HHRA (see Appendix 3).

3.2.6.4 Indoor Air COI Screening

In the absence of Site-specific data, outdoor air COPCs were the COPCs for indoor air. Outdoor/indoor air COPCs that have toxicity values and had measured concentrations that exceeded RBSLs are:

- Arsenic
- Cadmium
- Lead

3.2.6.5 Indoor Dust COI Screening

In the absence of Site-specific data, indoor dust EPCs for non-lead COPCs were derived from the outdoor residential soil concentration from each DU or upland soil concentration from each ADA using the Integrated Exposure Uptake Biokinetic Model for Lead in Children (IEUBK) default adjustment factor (mass fraction of soil in indoor dust [MSD]) of 0.7 (EPA, 1994b, 1994c).

COPCs identified for residential soil were the COPCs identified for indoor dust on residential DUs:

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muscle of fish is methylmercury (Wiener et al., 2003). Chumchal et al. (2011) collected invertebrates and vertebrates from a freshwater lake, including six fish species, and analyzed for total mercury and methylmercury. The percentage of mercury in muscle tissue present as methylmercury ranged from 84 to 100%. As part of the Environmental Monitoring and Assessment Program (EMAP) sampling program, 10 species were collected from 14 estuaries in southern Florida (Kannan et al., 1998). Total mercury and methylmercury were measured in fish muscle tissue; on average, methylmercury contributed 83% of the total mercury tissue concentration (range 62 to 100%). Because the majority of mercury present in fish fillets is methylmercury, both total and methylmercury were screened even though only total mercury was analyzed.

- Aluminum
- Antimony
- Arsenic
- Cadmium
- Chromium
- Cobalt
- Iron
- Lead
- Manganese
- Nickel
- Thallium
- Vanadium

COPCs identified for upland soil were the COPCs identified for indoor dust on upland ADAs:

- Aluminum
- Antimony
- Arsenic
- Cadmium
- Chromium
- Cobalt
- Iron
- Lead
- Manganese
- Thallium
- Vanadium

3.3 Exposure Point Concentrations (EPCs)

An EPC is an estimate of the concentration of a COPC in a site medium, averaged over the area to which a receptor is exposed (i.e., exposure area). EPA (1992) recommends that the 95% upper confidence limit of the arithmetic mean (95UCL) be used as the EPC for quantifying exposure and risk to individuals under both the RME and the CTE scenarios (EPA, 1992). The approach to calculate a 95UCL depends on the number of data points available, the shape of the data distribution, and the degree of censoring (i.e., samples below the detection limit) (EPA, 2002e).

EPA has developed ProUCL software (version 5.1) to estimate 95UCL values (EPA, 2015d). ProUCL calculates 95UCLs for a data set using several different strategies and recommends a 95UCL based on the properties of the data set. A minimum of five discrete samples or three samples collected using IC sampling and two distinct detected values are required to calculate a 95UCL in ProUCL. When ProUCL provided more than one "recommended" 95UCL to use (e.g., Chebyshev or Bootstrap), the higher recommended value was selected as the EPC. Appendix 12 details the approach used in this HHRA to derive the EPC for an exposure area when only one IC soil sample was available.

3.3.1 EPCs for Lead

Both the IEUBK model and the Adult Lead Methodology (ALM) require the EPC for lead to be an arithmetic mean value (see Section 3.4 for more information). For residential soil (and residential beach sediment), upland soil, relict floodplains, and public beach sediment collected using IC sampling, the EPC for lead was the arithmetic mean across triplicate samples (when available) or the single sample result for each DU, ADA, SDU, UDU, or RFDA (all results were detects for lead). For media where there were non-detect values for lead (e.g., surface water and outdoor air), the EPC was the mean estimated using the KM method. Helsel (2005) recommends using the KM method for estimating the mean when the percentage of non-detect values is less than 50%, regardless of sample size. For fish, the lead EPC was the arithmetic mean, with non-detects (ND) = ½ detection limit.[64]

The IEUBK model requires the user to input a soil concentration for the child's residence regardless of the medium being assessed. For the residential beach sediment evaluation, residential soil lead EPCs were calculated for the house DU(s) (or the nearest appropriate DU or DUs) on the property. In some exposure scenarios, a house DU soil lead concentration was not available to input into the model (for example, public beaches, relict floodplains, UDUs, and residential beaches on properties without a house DU). If no house DU was sampled on the property, and for public beaches and relict floodplains, the soil lead concentration for the child's residence was calculated as follows. Table 3-16 illustrates the distribution of mean soil lead concentrations adjusted for bioavailability from the 2014 and 2016 residential soil studies. To derive the concentrations shown in Table 3-16, each DU was assigned to either the 2014 or 2016 residential soil study area using the approach described in Appendix 11 (i.e., "2014" is defined as being within the 2014 study area boundary, regardless of whether it was sampled in 2014 or 2016, and "2016" is defined as being outside the 2014 study area boundary). Additionally, the 28 DUs subject to TCRA/VRA removal actions were included using the maximum concentration in backfill, which was 12 ppm lead for DUs subject to removal actions in 2015 and 19 ppm lead for DUs removed in 2017-2018. Those concentrations were then adjusted for bioavailability as described in Appendix 11. For evaluation of lead exposure in this HHRA where a house DU soil concentration was not available, a surrogate value was selected as described in Appendix 13 as the assumed soil lead concentration for the residence to be used in the IEUBK model.

[64] The estimate of the mean by the ProUCL KM method is within 0.01 mg/kg of the arithmetic mean with non-detects = ½ the detection limit.

3.3.2 EPCs for Non-Lead COPCs

The 95UCL was selected as the EPC for all non-lead COPCs. For all media except residential and upland soil, 95UCLs were calculated using ProUCL when data requirements were met. When ProUCL provided more than one "recommended" 95UCL to use (e.g., Chebyshev or Bootstrap), the higher recommended value was selected as the EPC. For residential and upland soil exposure areas where 3 IC replicate samples were collected, a 95UCL based on the t-statistic was calculated (ProUCL was not used because of the size of the data sets). For exposure areas where only a single IC sample was collected, the IC sample concentration was multiplied by a confidence factor (CF) that was based on an analysis of 95UCL/mean ratios for DUs at which more than one IC sample was collected to generate an EPC (Appendix 12).

3.3.2.1 EPCs for Polychlorinated Dibenzodioxin (PCDD), Polychlorinated Furan (PCDF) and Dioxin-Like Polychlorinated Biphenyl (PCB) Congeners

PCDD, PCDF, and dioxin-like-PCB congeners are all believed to act by the same toxic mechanism as TCDD. Data for the PCDD, PCDF, and dioxin-like-PCB congeners were converted to a TCDD TEQ as described in Section 2.7.2. EPC values were computed for TEQs using half of the detection limit for non-detect congeners (ND = ½ detection limit).

3.3.3 Surface Water EPCs

Surface water EPCs, shown in Table 3-17, were calculated for the UCR (inclusive of Reaches 1-6) as discussed in Section 3.1.1 using data from unfiltered (total), disturbed surface water samples. In this HHRA, only samples designated as unfiltered were considered useable surface water data for the following reasons. Human exposures to surface water may occur under a variety of exposure scenarios. In most instances, on-Site exposures are expected to occur primarily in shallower water near beach areas (e.g., recreational visitors during wading/playing activities, outdoor workers during occupational activities) which may be directly influenced by sediment disturbances resulting from these activities. Recreational visitors may also be exposed to surface water further away from beach areas (e.g., during swimming). The unfiltered disturbed surface water samples collected in shallow water near beach areas were used to evaluate exposure during all recreational activities in this HHRA, as this is what we would expect people to ingest. The EPCs from the disturbed shallow samples are likely to overestimate exposure from swimming in deeper water where disturbance of the underlying sediment would not be expected. The EPCs calculated for unfiltered, undisturbed surface water samples were always lower than for unfiltered, disturbed samples.

The unfiltered disturbed surface water samples were used to evaluate exposure to surface water during recreational or occupational activities. A site-overall EPC (sample size [n] = 42) was calculated for COPCs to evaluate exposure to surface water during these activities. For arsenic, two EPCs were calculated: RBA-adjusted arsenic concentration data were used to calculate EPCs to evaluate surface water ingestion exposure (adjusted using methods described in Section 4.6); and unadjusted arsenic data were used to calculate EPCs to evaluate dermal exposure to surface water. For lead, the EPC was calculated using the RBA-adjusted lead concentration (Section 4.6).

3.3.4 Public Beach Surface and Subsurface Sediment EPCs

For beaches sampled from 2009-2011, approximately 5 surface sediment (0-15 cm) composite samples were collected from each beach and analyzed for metals in the <2 mm grain size fraction (GSF). One composite sample from each beach also had additional metals analysis done for the <63, 63-125, and 125-250 µm GSFs that were used to derive a <250 µm result for every sample collected from each beach. The calculated <250 µm results were flagged as detected if the <2 mm GSF sample was detected. Some archived samples from the 2009-2011 event were sieved to <250 µm and reanalyzed for arsenic and lead in 2013. For these reanalyzed samples, the 2013 measured <250 µm result was used in lieu of the original calculated <250 µm result (note that only lead was analyzed for IVBA in 2013, so arsenic results from 2013 were adjusted for RBA using the calculated <250 µm results from the 2009-2011 event). A 95UCL was calculated for each beach using the data set that combined the calculated <250 µm results from 2009-2011 and the measured <250 µm results from 2013 and used as the EPC for each beach in non-lead analyses. For lead analyses, the average RBA-adjusted concentration was calculated for each beach using the data set that combined the calculated <250 µm results from 2009-2011 and the measured <250 µm results from 2013.

For beaches sampled in 2015, surface sediment EPCs were calculated using the Incremental Composite Sampling (ICS) data from the 0 to 15 cm depth interval (<250 µm results). ProUCL was used to generate a 95UCL for beach SDUs that had 3 IC samples. The EPCs for SDUs with one IC sample were estimated by multiplying the single result by a CF (see Appendix 12) to generate an EPC. Public beach surface sediment EPCs, calculated from surface sediment samples, are shown in Table 3-18.

EPCs for subsurface sediment at Bossburg Flat and Evans Campground Beach (sampled in 2015) were generated in ProUCL using data from core samples that were collected at three depth intervals (0-15, 15-30, and 30-45 cm) and sieved to <250 µm (Table 3-19).[65] For each core, a single subsurface (0-45 cm) sample result was derived by averaging concentrations across the three depth intervals for each COPC.

For arsenic, two EPCs were calculated: RBA-adjusted arsenic concentration data were used to calculate EPCs to evaluate incidental sediment ingestion exposure (using methods described in Section 4.6); and unadjusted arsenic data were used to calculate EPCs to evaluate dermal exposure to sediment. For lead, the EPC was calculated using the RBA-adjusted lead concentration (Section 4.6).

3.3.5 Residential Beach Sediment EPCs

EPCs were calculated using data from the IC surface sediment samples for each residential beach DU. Three IC samples were collected from all residential beach DUs in 2014, and from two of the residential beach DUs sampled in 2016. A 95UCL was calculated for DUs that had 3 IC samples (see Table 3-20). The EPCs for DUs with one IC sample were estimated by multiplying the single result by a CF (see Appendix 12) to generate an EPC.

[65] EPCs were calculated for subsurface sediment at Bossburg Flat and Evans Campground Beach only. EPCs were not calculated for subsurface sediment for any of the other public beaches due to a lack of subsurface sample data sieved to the appropriate grain size for HHRA.

As described in Section 3.3.4, two EPCs were calculated for arsenic; one to estimate risk via dermal exposure and one to estimate risk via incidental ingestion. EPCs for the residential beach DUs are presented in Table 3-20.

3.3.6 Relict Floodplain Soil EPCs

Three to nine RFDAs were sampled on each relict floodplain, as described in Section 2.6.2.5. EPCs for relict floodplains were calculated for each RFDA. ProUCL was used to generate a 95UCL for RFDAs that had 3 IC samples. The EPCs for RFDAs with one IC sample were estimated by multiplying the single result by a CF (see Appendix 12) to generate an EPC.

As described in Section 3.3.4, two EPCs were calculated for arsenic; one to estimate risk via dermal exposure and one to estimate risk via incidental ingestion. EPCs for the RFDAs are presented in Table 3-21.

3.3.7 Bossburg Flat Beach Surface and Subsurface Soil EPCs

Beach surface soil EPCs were calculated using the ICS data from the 0-15 cm depth interval (<149 µm results). ProUCL was used to generate a 95UCL for the one UDU that had three IC samples collected (UDU-04). The EPCs for all other UDUs with only one IC sample were estimated by multiplying the single result by a CF (see Appendix 12) to generate an EPC. Bossburg Flat beach surface soil EPCs, calculated from surface soil samples, are shown in Table 3-22.

EPCs for subsurface soil at Bossburg UDUs were generated in ProUCL using data from core samples that were collected at three depth intervals (0-15, 15-30, and 30-45 cm) and sieved to <149 µm (Table 3-23). For each core, a single subsurface (0-45 cm) sample result was derived by averaging concentrations across the three depth intervals for each COPC.

For arsenic, two EPCs were estimated: RBA-adjusted arsenic concentration data were used to calculate EPCs to evaluate incidental soil ingestion exposure (using methods described in Section 4.6); and unadjusted arsenic data were used to estimate EPCs to evaluate dermal exposure to soil. For lead, the EPC was calculated using the RBA-adjusted lead concentration (Section 4.6).

3.3.8 Outdoor Air EPCs

Outdoor air data collected at an air monitoring station at Sheep Creek near Northport from 2002 through 2009 were used to calculate the outdoor air EPCs. The outdoor air EPCs were calculated on a Site-wide basis. The 95UCL was selected as the EPC for all non-lead COPCs. The EPCs for outdoor air are shown in Table 3-24.

3.3.9 Indoor Air EPCs

Because indoor air concentrations were not measured, the indoor air EPCs were set as equal to outdoor air EPCs and are shown in Table 3-24.

3.3.10 Residential and Upland Soil and Indoor Dust EPCs

Site-specific soil data collected by EPA in 2014 (CH2MHill, 2016a) and by TAI in 2014 and 2016 (TAI, 2015a, 2017a) were used to calculate the EPCs for residential and upland soil as well as indoor dust, as discussed in greater detail below. Summary statistics for the surface soil COPCs are shown in Table 3-25.

The ingestion rate for indoor dust and outdoor soil was partitioned according to the IEUBK model for children younger than 6 years old (55% indoor dust:45% outdoor soil; EPA, 1994b), and according to the *Exposure Factors Handbook* (EPA, 2017b) for older age groups. These partitions were applied to the outdoor residential and upland soil EPCs and the calculated indoor dust EPC (see Section 3.3.10.4) to generate a combined soil/dust EPC that was used to perform risk calculations for incidental ingestion. These combined soil/dust ingestion EPCs are shown in Tables 3-26 through 3-28.

3.3.10.1 Residential Soil for Non-Beach DUs

EPCs for residential soil, for all DUs except residential beaches and driplines, were calculated using data from the IC surface soil samples on a DU by DU basis. Triplicate IC samples were collected from most residential soil DUs in 2014, and from approximately 30% of the residential DUs sampled in 2016. For lead analyses, the EPC was the arithmetic mean across triplicate samples (when available) or the single IC sample result for each DU. For non-lead analyses, the EPC was the 95UCL calculated for triplicate IC samples (when available) or the single sample result multiplied by a CF (see Appendix 12) for each DU (see Table 3-25). For residential soil DUs subject to either a complete or partial TCRA or VRA (Table 2-3), the maximum measured COPC concentration in backfill used during that removal was used as the EPC for each COPC in risk calculations. DU 172-01 was excluded from risk calculations because of its former use as a small ore mill or ore stockpiling site (Roland, 2019).

For arsenic, one EPC was calculated using the RBA-adjusted arsenic concentration (Section 4.6), to evaluate incidental soil ingestion exposure. A separate EPC was calculated using the measured arsenic concentration to evaluate dermal exposure to soil. For lead, the EPC was calculated using the RBA-adjusted lead concentration (Section 4.6) to evaluate incidental soil ingestion exposure. Dermal exposure to soil was not evaluated for lead (Section 3.1.3.4). EPCs for the residential soil DUs are presented in Table 3-26.

3.3.10.2 Residential Soil/Sediment EPC for Resident with Beach DUs

For each residential beach DU, a residential soil concentration needed to be assigned to the resident using that beach. If a house DU(s) (or the nearest appropriate DU or DUs) was located on the property with a residential beach DU, analytical results for the “house” DU(s) were used. In some cases, a house DU was not sampled on the same property as the residential beach. In those cases, the residential soil EPCs for each non-lead COPC were calculated using the surrogate DUs listed in Table 3-27. The residential soil concentration was generated by averaging the EPC (95UCL or Result × CF) soil concentration for each residential soil DU paired with a beach. For 2 residential beach DUs, no other DUs were sampled on the property. In those cases, the mean concentration of each COPC for the Site was used as the soil EPC, similar

to the description for the mean lead concentration for the Site described in Section 3.3.1 above. These concentrations are shown in Table 3-27.

For arsenic, one EPC was calculated using the RBA-adjusted arsenic concentrations (Section 4.6), to evaluate incidental soil ingestion exposure. A separate EPC was calculated using the measured arsenic concentrations to evaluate dermal exposure to soil.

3.3.10.3 Upland Soil

Using IC sampling, soil samples were collected from ADAs in upland areas likely impacted by aerial deposition of smelter particulates. EPCs for upland soil were calculated on an ADA by ADA basis. Triplicate IC samples were collected from approximately 10% of the ADAs sampled. For lead analyses, the EPC was the arithmetic mean across triplicate samples (when available) or the single sample result for each ADA. For non-lead analyses, the EPC was the 95UCL calculated for triplicate IC samples (when available) or the single sample result multiplied by a CF (see Appendix 12) for each ADA.

As was done for residential soil, one EPC was calculated using the RBA-adjusted arsenic concentration to evaluate incidental soil ingestion exposure. One EPC was calculated using the measured arsenic concentration to evaluate dermal exposure to soil. For lead, the EPC was calculated using the RBA-adjusted lead concentration. EPCs for the upland soil ADAs are presented in Table 3-28.

3.3.11 Soil Indoor Dust EPCs

Residential exposure to COPCs in soil includes indoor dust exposure for all DUs and ADAs, regardless of whether a house is present. In the absence of empirical data, indoor dust EPCs at each DU in the 2014 and 2016 Residential Soil Studies and ADA in the 2014 Upland Soil Study were derived from the outdoor soil COPC concentration at that DU or ADA by applying an adjustment factor of 0.7, such that Indoor Dust EPC = Outdoor Soil EPC × 0.7. The value 0.7 is the MSD term in the IEUBK model (EPA, 1994b), which represents the mass fraction contribution of outdoor soil to indoor dust. The concentration in indoor dust was assumed to be 70% of the concentration in outdoor soil (accounting for a 30% contribution of non-soil sources to the indoor dust mass). This calculation also assumed that transport of soil-borne COPCs into the home is governed by transport of soil and, therefore, the 0.7 value can be applied to all COPCs.

3.3.12 Fish EPCs

The exposure area for estimating EPCs for fish consisted of the entire UCR (i.e., Reaches 1-6). EPCs were calculated for all COPCs in fish tissue utilizing the fillet data from all fish longer than 30 cm collected in UCR Reaches 1-6. EPCs were calculated by individual species. Fish tissue EPCs are shown by species in Table 3-29.

3.4 Evaluation of Exposures to Lead

The primary population of concern for risk from exposure to lead in this HHRA is children younger than age six. For the assessment of lead, EPA recommends the use of the IEUBK model to evaluate exposures of children to lead-contaminated media in a residential setting (EPA,

1994b, 1994c, 1998b, 2016a). The IEUBK model predicts the probability distribution of PbBs in a population of young children (12-72 month age range was used in this HHRA per EPA, 2017c) exposed to a user-specified set of environmental lead levels (EPA, 1994b, 1998b, 2016a). This model allows users to input data on the levels of lead in soil, dust, water, air, diet, and other (user-defined intake) for a specific location as well as data on the amounts of these media ingested or inhaled by a child living at that location. All of these inputs to the IEUBK model are central tendency point estimates (EPA, 1994b, 1994c). These point estimates are then integrated to calculate an estimate of the central tendency (the geometric mean) of the distribution of PbBs that might occur in a population of children exposed to the specified conditions. Assuming the distribution is lognormal and given (as input) an estimate of the variability in PbBs (this is specified by the geometric standard deviation [GSD]), the model calculates the expected distribution of PbBs for a population of similarly exposed children, as well as an estimate of the probability of PbB exceeding the target risk level specified by the user.

In addition to predicting PbBs and estimating the probability of PbB exceeding a target risk level (forward risk assessment), the IEUBK model can be used to calculate PRGs for an exposure unit (e.g., DUs or ADAs) for a target level of concern and risk probability (backward risk assessment). In the forward (risk calculation) mode the IEUBK model calculates the probability (P expressed as a percentile) that a hypothetical child or group of similarly exposed children will exceed a blood lead target for a user-defined set of exposures. In the forward mode, exposure information is entered in the IEUBK model and the resulting distribution of PbBs and the probability of exceeding a target PbB are compared with the risk benchmark selected (for example, no more than 5% probability of PbB exceeding the target PbB). In forward calculations, exposure pathways were evaluated against the selected risk benchmarks for 12-72 month-old children as described below.

OSWER Directive 9355.4-12 (EPA, 1994a) identifies a risk reduction goal of limiting exposure to lead such that children would have estimated risk of no more than 5% probability of exceeding a PbB of 10 µg/dL. OLEM Directive 9200.2-167 (EPA, 2016a) highlights the current science and risk assessment tools that Regions may consider when implementing the 1994 *Revised Interim Soil Lead Guidance for CERCLA Sites and RCRA Corrective Action Facilities* (OSWER Directive 9355.4-12).

EPA's Office of Research and Development (ORD) reviewed the health effects evidence for lead in the 2013 Integrated Science Assessment for Lead (ISA for Lead) and found that several studies have observed "clear evidence of cognitive function decrements (as measured by Full Scale intelligence quotient [IQ], academic performance, and executive function) in young children (4-11 years old) with mean or group PbBs between 2 and 8 µg/dL (measured at various lifestages and time periods)." In addition, the National Toxicology Program's (NTP, 2012) Monograph on Health Effects of Low-Level Lead found sufficient evidence of delayed puberty, reduced post-natal growth, and decreased hearing for children at PbBs below 10 µg/dL and adverse effects on academic achievement, IQ, other cognitive measures, attention-related behaviors, and problem behaviors at PbBs below 5 µg/dL (NTP, 2012).

For this HHRA, the risk evaluation benchmarks selected for evaluation of lead risk were 3, 5, or 8 µg/dL; these benchmarks are within the risk range of child PbBs associated with adverse health effects (2 to 8 µg/dL) cited in the 2016 OLEM Soil Lead Directive (EPA, 2016a). Elevated lead

risk was defined as >5% probability of exceeding each of these target PbBs: >5% probability of exceeding 3 µg/dL (referred to as "P3"), >5% probability of exceeding 5 µg/dL (referred to as "P5"), or >5% probability of exceeding 8 µg/dL (referred to as "P8").

At the low end of the target risk range (2 µg/dL), the risk target goal (of limiting exposure to lead such that children would have estimated risk of no more than 5% probability of exceeding 2 µg/dL as determined by the IEUBK model) is exceeded by the current default exposures in the IEUBK model. Currently, assumed exposure to lead in other (not Site-related) media (drinking water, air, diet) results in a baseline PbB of approximately 2.3 µg/dL, which means that even if the soil lead concentrations were zero (0 ppm), use of the current default parameters in the IEUBK model will result in more than 5% probability that PbB will be >2 µg/dL. The estimated Site background soil lead concentration is around 35 ppm (Appendix 4). P3 was selected as a lead risk benchmark to evaluate the low end of the risk range of child PbBs associated with adverse health effects. For this HHRA, the results for P3, P5, and P8 were assessed quantitatively.

The IEUBK model (V1.1, build 11 with inputs shown in Table 3-30 below) was used to derive PRGs for residential soil lead exposures for each of these risk benchmarks as follows:

- Utilizing the IEUBK model, a 5% probability of exceeding a blood lead level of 3 µg/dL was associated with a concentration of approximately 50 ppm lead in soil.
- Utilizing the IEUBK model, a 5% probability of exceeding a blood lead level of 5 µg/dL was associated with a concentration of approximately 200 ppm lead in soil.
- Utilizing the IEUBK model, a 5% probability of exceeding a blood lead level of 8 µg/dL was associated with a concentration of approximately 400 ppm lead in soil.

The PRGs associated with each of these risk benchmarks is based on an assumed default RBA of 60% for lead. Site-specific IVBA information was used to derive RBA-adjusted lead concentrations, which allows direct comparison with these PRGs. At some locations, exposure of children to Site media is unlikely, while adult exposure may occur (e.g., exposure to deeper horizons of soil or sediment because of occupational activities). When adults are exposed to media where lead is a COPC (and there is no exposure to young children), the ALM is recommended (EPA, 2003b). The ALM is designed to assess non-residential (i.e., workplace or commercial) exposure to lead-contaminated soil by adults. The receptor evaluated in the ALM is the fetus (the most sensitive endpoint being the developing nervous system); risk estimates based on the ALM are considered to be protective of other adverse health effects in adults related to lead exposure.

This Site-wide HHRA calculated lead risk for the following receptors, exposure pathways, and media:

- Children (residents) who incidentally ingest soil at residential DUs and upland ADAs;
- Children (residents) who incidentally ingest beach sediment at residential beaches;
- Children (recreational visitors) who incidentally ingest beach sediment at public beaches;

- Children (recreational visitors) who incidentally ingest UCR surface water while swimming and wading in shallow water near public beaches during beach visits, and while boating or camping;
- Children (recreational visitors) who incidentally ingest soil near Bossburg Flat Beach;
- Children (recreational visitors) who incidentally ingest soil at relict floodplains;
- Children (recreational visitors and residents) who consume fish from the UCR;
- Adults (outdoor workers) who incidentally ingest subsurface beach sediment or subsurface beach soil while working at public beaches;
- Lead in air was included in the above exposures as appropriate. Lead in indoor air and indoor dust were based on measured concentrations of lead in outdoor air and outdoor soil.

In general, the IEUBK model predicts that lead intakes of at least 1 µg/day (at 30% absolute bioavailability [ABA]) are needed to decrease the soil PRG by approximately 20 ppm for a target risk goal of 5% exceeding a PbB of 5 µg/dL (P5). For example, the PRG decreases from 200 ppm to 180 ppm when lead intake increases 1 µg/day (i.e., the alternate exposure pathway in the IEUBK model). In this Site-wide HHRA, exposures that were predicted to contribute <1 µg Pb/day were classified as minimal.

3.4.1 Exposure Parameters in the Integrated Exposure Uptake Biokinetic Model (IEUBK)

The IEUBK model default parameter values were used when representative Site-specific information was not available. These defaults were modified to incorporate Site-specific information from the UCR Site when appropriate. Site-specific exposure parameters are described later in this section. Tables 3-30 and 3-31 present the input parameters used for evaluating lead exposures to children using the IEUBK model for selected pathways at the UCR Site. Table 3-30 shows IEUBK model values with defaults as recommended by EPA and the Site-specific information. Table 3-31 provides the values for the age-specific parameters for the IEUBK model.

3.4.2 Exposure Parameters in the Adult Lead Model (ALM)

The default variable values in the ALM (EPA, 2003b; updated to include National Health and Nutrition Examination Survey [NHANES] information as shown on the Technical Review Workgroup [TRW] Lead Committee website[66]) were used when representative Site-specific information was not available. Site-specific exposure parameters are described later in this section.

3.4.3 Site-Specific Information for Exposure Pathways

3.4.3.1 Current Child Resident Exposed to Lead in Residential Soil and Fish from the UCR

Exposure to lead in residential soil and fish harvested from the UCR was assessed on a DU by DU basis for current child residents using the IEUBK model. The exposure pathway for this

[66] See https://www.epa.gov/superfund/lead-superfund-sites-software-and-users-manuals#update.

medium was incidental ingestion of lead in soil and dust by current full-time resident children. To allow for potential future land use changes at residential properties, a residential exposure scenario was assumed to assess risk for all DUs located on residential properties, regardless of the currently reported land use. The EPCs for current residential soil lead concentration were the arithmetic mean values for the ICs of each DU sampled in the 2014 and 2016 residential soil studies if triplicate IC samples were collected, or the sample result for each DU where a single IC sample was collected (aside from tribal allotments, driplines, residential beaches, and one DU that was previously used as a potential ore stockpile) (see Section 3.1.1.4). Generally, soil samples were collected from the surface where direct contact by young children is most frequent: house DUs were sampled at 0-2.5 cm depth interval and sieved to collect the <149 µm particle size fraction (CH2MHill, 2016a; TAI, 2017a). For non-house DUs, the EPCs for lead were based on sampling depths that vary depending on land use; this ranged from 0-2.5 cm interval for some DUs (e.g., children's play areas) to 0-30 cm interval for other DUs (e.g., gardens). The RBA for lead in the residential soil DUs was based on the results from IVBA assessments, as described in Section 4.6. Dust lead concentration was calculated using the MSD result from the RBA-adjusted soil lead EPC (the MSD approach included the contribution from Site-specific outdoor air lead as described in Table 3-30). In addition to lead in current residential soil, resident children may be exposed to lead in the edible portion of fish (i.e., fillets) harvested from the UCR. The EPC for fish was the mean (arithmetic mean or KM mean) concentration for each fish species measured in fillets from all fish that were at least 30 cm long from Reaches 1-6 (CH2MHill, 2007; Exponent, 2013a; Windward, 2017a, 2018). To evaluate whether variability in fish tissue concentrations between species is potentially important and to inform the public, the lead concentrations for specific fish species are presented in Table 3-29.

3.4.3.2 Future Child Resident Exposed to Lead in Residential Soil and Fish from the UCR

Exposure to lead in residential soil and fish harvested from the UCR was assessed on an ADA by ADA basis for potential future child residents using the IEUBK model. The exposure pathway for this medium was incidental ingestion of lead in soil and dust by future full-time resident children, with the assumption that these areas may be used for future residential development. The EPCs for potential future residential soil lead concentration were the arithmetic means of triplicate IC samples collected, or the sample result for each ADA where a single IC sample was collected (see Section 3.3.10 for more information) of the lead concentrations of all samples collected at each ADA for soil fraction <149 µm in size (TAI, 2015a). ADAs were sampled at 0-8 cm depth interval. The RBA for lead in the ADA was based on the results from IVBA assessments, as described by TAI (2015a). In the event that no IVBA sample was collected for a given ADA, the RBA was the average of all other ADA RBA results (see Section 4.6). Dust lead concentration was calculated as the MSD-based result from the RBA-adjusted soil lead EPC (the MSD approach included the contribution from outdoor air lead). Outdoor air lead concentration was based on Site-specific information as described in Table 3-30. In addition to lead in future residential soil, future resident children may be exposed to lead in the edible portion of fish (i.e., fillets) harvested from the UCR. The EPC for fish was the mean (arithmetic mean or KM mean) concentration for each fish species measured in fillets from all fish that were at least 30 cm long from Reaches 1-6 (CH2MHill, 2007; Exponent, 2013a; Windward, 2017a, 2018). To evaluate whether variability in fish tissue concentration between species is potentially important and to inform the public, the lead concentrations for specific fish species are presented in Table 3-29.

3.4.3.3 Current Child Exposure to Lead at Residential Beaches (2014 and 2016 Soil Studies) and in Fish from the UCR

Exposure to lead in sediment at residential beaches was assessed at each beach DU on residential properties. The exposure pathway was incidental ingestion of sediment by children during beach recreation. For this HHRA, exposure at residential beaches used the time-weighting approach recommended by EPA (2003a) based on exposure frequency information to apportion exposure to the beach sediment (2 days/week) and residence (5 days/week). The EPC for lead concentration in residential beach sediment was the average (see Appendix 13 for more information) of the lead concentrations of all IC samples collected at each residential beach DU for sediment fraction <250 µm in size if triplicate IC samples were collected, or the sample result for each beach where a single IC sample was collected (CH2MHill, 2016a; TAI, 2017a). The residential soil EPC for lead was the average of the lead concentration in the house DU (or the nearest appropriate DU) containing the residential beach DU (see Appendix 13). The sediment samples were collected from the depth interval that was thought to be most likely for exposure for children spending time at beach DUs. The RBA for lead in the sediment at residential beach DUs was based on the results from IVBA assessments as described in Section 4.6.

Table 3-16 gives the mean RBA-adjusted lead concentrations in soil from the 2014 and 2016 residential soil studies, excluding driplines and a DU used historically as a small ore mill or ore stockpiling site (Roland, 2019) sampled in 2016. For residential soil DUs subject to either a complete or partial TCRA or VRA (Table 2-3), the maximum measured lead concentration in backfill used during that removal was used as the lead concentration for those DUs. This information was included in the derivation of the mean concentrations shown in Table 3-16. These results were used to derive 129 ppm as the assumed residential soil lead concentration for exposure scenarios where a house DU soil lead concentration was not available for time weighting calculations (for example, incidental ingestion of beach sediment at public beaches, incidental ingestion of beach sediment at residential beaches at properties without a house DU or other surrogate DU on the property).

Exposure to lead in suspended sediment while swimming and wading in shallow surface water (TAI, 2009c) by residents with beaches on their property is likely to be greater than exposure to lead that is dissolved in surface water or sediment suspended in undisturbed surface water while swimming in deep water[67]. The exposure pathway in this HHRA was incidental ingestion of water by children while swimming and wading in shallow water during beach visits, camping trips, or while boating. The EPC for lead was based on the average concentration (see Section 3.3.1 for more information) of lead in disturbed, unfiltered surface water from samples collected near public beaches (Exponent, 2013b). Because the lead in this medium would primarily be derived from sediment, the RBA for sediment (averaged across all public beaches) was used in the calculation.

Outdoor air lead concentration was based on Site-specific information as described in Table 3-30. In addition to lead in future residential soil, resident children may be exposed to lead in the edible portion of fish (i.e., fillets) harvested from the UCR. The EPC for fish was the mean (arithmetic mean or KM mean) concentration for each fish species measured in fillets from all

[67] The concentration of lead in disturbed surface water is much greater than the concentration in non-disturbed surface water (3.15 vs. 0.205 µg/L, respectively). Both results are the mean from ProUCL using the KM method.

fish that were at least 30 cm long from Reaches 1-6 (CH2MHill, 2007; Exponent, 2013a; Windward, 2017a). To evaluate whether variability in fish tissue concentration between species is potentially important and to inform the public, the lead concentrations for specific fish species are presented in Table 3-29.

3.4.3.4 Child Exposure to Lead from Incidental Ingestion of Surface Solid Media (Sediment or Soil) and Surface Water While Recreating at Public Beaches, Bossburg Flat Beach and Evans Campground UDUs, and Relict Floodplains during Beach Day Trips, Boating Trips, or Camping and from Consuming Fish from the UCR

Exposure to lead in solid media (sediment or beach soil) while recreating at beaches was assessed at all public beaches, Bossburg Flat Beach and Evans Campground Beach UDUs, and Relict Floodplains. The exposure pathway was incidental ingestion of surface sediment or soil by children while recreating at these areas (adult outdoor worker exposure to deeper horizons of soil or sediment during beach maintenance work is addressed in Section 3.4.3.5).

Public beaches were sampled in 2009-2011 and 2015 (see Table 5-8 for the list of beaches assessed). The EPC for lead concentration in public beach sediment was the average lead concentration (beaches sampled in 2009-2011; see Section 3.3.1 for more information) from all samples collected at each public beach DU for sediment in the <250 µm size fraction (TAI, 2014a). The RBA for lead in the sediment at public beach DUs was based on the results from IVBA assessments (see Section 4.6).

For Bossburg Flats Beach and Evans Campground Beach there are solid media samples using the <250 µm fraction (SDU beach sediment samples) and <149 µm fraction (UDU soil samples) (TAI, 2016a). These samples were collected in 2015 from the depth interval that was thought to be most appropriate for exposure (i.e., most likely to be contacted by recreating children): beach DUs and UDUs were sampled at 0-15 cm depth interval. The EPC for lead concentration in Bossburg Flats and Evans Campground Beach samples collected in 2015 was the average lead concentration if triplicate IC samples were collected, or the sample result for each beach where a single IC sample was collected (TAI, 2016a). See Section 2.6.2.4 for more information. The RBA for lead in the soil and sediment samples from Bossburg Flats Beach and Evans Campground Beach was based on the results from IVBA assessments (see Section 4.6).

Exposure to lead in soil at relict floodplains was assessed at all relict floodplains that were sampled in 2014 (see Table 3-21 for the list of sixteen RFDAs sampled at relict floodplains). The exposure pathway was incidental ingestion of relict floodplain soil by children while recreating. The EPC for lead concentration in relict floodplain soil was the average lead concentration from all IC samples collected at each RFDA for soil in the <149 µm size fraction. Note that only 4 of the RFDAs had replicates collected, so the EPC was the mean value for those; the other 12 RFDAs just had a single sample collected that was used as the EPC (see Section 3.3.1 for more information). The relict floodplain soil samples were collected from the depth interval that was thought to be most likely for exposure: RFDAs were sampled at 0-7.5 cm depth interval. The RBA for lead in the soil at RFDAs was based on the results from IVBA assessments (TAI, 2015a). In the event that no IVBA sample was collected for a given RFDA, the RBA was the average of all other RFDA RBA results (see Section 4.6).

For recreational visitor children, exposure to lead in suspended sediment while swimming and wading in shallow surface water (TAI, 2009c) during beach trips, boat trips, or camping trips is likely to be greater than exposure to lead that is dissolved in surface water or sediment suspended in undisturbed surface water while swimming in deep water[68]. The exposure pathway in this HHRA was incidental ingestion of water by children while swimming and wading in shallow water during beach visits, camping trips, or while boating. The EPC for lead was based on the average concentration (see Section 3.3.1 for more information) of lead in disturbed, unfiltered surface water from samples collected near public beaches (Exponent, 2013b). Because the lead in this medium would primarily be derived from sediment, the RBA for sediment (averaged across all public beaches) was used in the calculation (see Section 4.6).

Table 3-16 gives the mean RBA-adjusted lead concentrations in soil from the 2014 and 2016 residential soil studies, excluding driplines, and (for lead) a DU sampled in 2016 that was historically used as a small ore mill or ore stockpiling site (Roland, 2019).[69] These results were used to derive 129 ppm as the assumed house soil lead concentration to be used for exposure scenarios where a house soil lead concentration was not available for time weighting calculations (such as all recreational beach exposures).

Outdoor air lead concentration was based on Site-specific information as described in Table 3-30. In addition to lead in future residential soil, resident children may be exposed to lead in the edible portion of fish (i.e., fillets) harvested from the UCR. The EPC for fish was the mean (arithmetic mean or KM mean) concentration for each fish species (because anglers may target specific species) measured in fillets from all fish that were at least 30 cm long from Reaches 1-6 (CH2MHill, 2007; Exponent, 2013a; Windward, 2017a, 2018).

3.4.3.5 Incidental Ingestion of Public Beach Sediment and Soil at Depth by Outdoor Workers

For outdoor workers, the exposure pathway was incidental ingestion of deep sediment and soil while working at a beach. The only beaches that have EPC data for the soil horizon of interest (i.e., 0-45 cm) for this exposure pathway at public beaches are Bossburg Flats and Evans Campground (TAI, 2016a). The EPC for lead concentration in deep sediment and soil at public beaches was the arithmetic mean lead concentrations from core samples collected either at SDUs for sediment in the <250 µm size fraction (including sample F-01) or at UDUs for soil in the <149 µm size fraction at Bossburg Flats and Evans Campground. The sediment and soil samples were collected from the depth interval that was thought to be most relevant to assess occupational exposure for beach maintenance work: 0-45 cm depth interval. The RBA for lead in the sediment and soil at public beach SDUs and UDUs, respectively, was based on the results from IVBA assessments (see Section 4.6).

3.4.3.6 Inhalation of Outdoor and Indoor Air

Lead concentrations in outdoor air, indoor air, and indoor dust were included in the integrated assessment of risks to residents and recreators. The outdoor air lead concentration used as an input to the IEUBK was the KM mean measured concentration calculated by ProUCL from the 2002-2009 Sheep Creek monitoring data (CH2MHill, 2015). This air EPC was used as an input

[68] The concentration of lead in disturbed surface water is much greater than the concentration in non-disturbed surface water (3.15 vs. 0.205 µg/L, respectively). Both results are the mean from ProUCL using the KM method.
[69] Field replicates were averaged to produce a single result for each DU.

to the IEUBK model for all exposure scenarios assessed. Air exposure is not assessed discretely in the ALM; however, air lead exposure is reflected in the baseline PbB in the ALM.

3.5 Evaluation of Exposures to Non-Lead COPCs

3.5.1 Basic Equations

3.5.1.1 Ingestion Exposures

The amount of a chemical which is ingested is referred to as "intake" or "dose." For non-lead chemicals, exposure is quantified using an equation of the following general form:

$$DI = C \cdot (IR / BW) \cdot (EF \cdot ED / AT) \cdot RBA$$

where:

DI = Daily intake of chemical (mg of chemical per kg of body weight [BW] per day).

C = Concentration of the chemical in the contaminated environmental medium (soil, sediment, water, food) to which receptor is exposed. The units are mg/L for water, and mg/kg for solid media.

IR = Intake rate of the contaminated environmental medium. The units are L/day for aqueous media, and kg/day for solid media.

BW = Body weight of the receptor (kg).

EF = Exposure frequency (days/year). How often receptor is likely to be exposed to the contaminated medium over the course of a typical year.

ED = Exposure duration (years). How long receptor is likely to be exposed to the contaminated medium during his or her lifetime.

AT = Averaging time (days). The number of days over which the average dose is calculated. Usually, two different ATs are considered:

"Chronic" exposure includes ATs on the scale of years (typically ranging from 7 to 70 years). This exposure duration is used when assessing non-cancer hazards.

"Lifetime" exposure employs an AT of 70 years. This exposure interval is selected when evaluating cancer risks.

RBA = Relative bioavailability

Note that the factors EF, ED, and AT combine to yield a factor between zero and 1. Values near 1.0 indicate that exposure occurs nearly continuously over the specified averaging period, while values near zero indicate that exposure occurs infrequently.

For mathematical convenience, the general equation for calculating dose can be written as:

$$DI = C \cdot HIF \cdot RBA$$

where:

HIF = Human Intake Factor. This term describes the average amount of an environmental medium contacted by the exposed receptor each day. The value of HIF is typically given by:

$$HIF = (IR / BW) \cdot (EF \cdot ED / AT)$$

The units of HIF are L/kg-day for aqueous media and kg/kg-day for solid media.

Because one or more exposure parameters (e.g., IRs, BW, and EF) may change as a function of age, exposure calculations for non-cancer hazards are performed separately for children and adults. However, for estimating excess cancer risks from exposure to a chemical, because the same individual may be exposed beginning as a child and extending into adulthood, exposure is calculated as the time-weighted average (TWA) lifetime exposure:

$$DI_{TWA} = C \cdot [(IR_c / BW_c) \cdot (EF_c \cdot ED_c / AT) + [(IR_a / BW_a) \cdot (EF_a \cdot ED_a / AT)]$$

where the subscripts “c” and “a” refer to child and adult receptors, respectively.

3.5.1.2 Dermal Exposures

Exposure to a chemical by the dermal pathway is based on the dose absorbed into the body rather than ingested or inhaled. The dose of a chemical which is absorbed across the skin is referred to as the dermally absorbed dose (DAD), which is quantified using the following equation (EPA, 2004b):

$$DAD = DA_{event} \cdot EF \cdot ED \cdot EV \cdot SA / (BW \cdot AT)$$

where:

DAD = Dermally-absorbed dose (mg of chemical per kg of BW per day).

DA_{event} = Absorbed dose per event (mg of chemical per square cm of skin surface area per event). This is media-specific and is further described below.

EF = Exposure frequency (days/year). How often receptor is likely to be exposed to the contaminated medium over the course of a typical year.

ED = Exposure duration (years). How long receptor is likely to be exposed to the contaminated medium during their lifetime.

EV = Event frequency (events/day). The number of times per day receptor contacts a contaminant in soil.

SA = Surface area (square centimeters [cm^2]). The area of skin exposed to the contaminated media.

BW = Body weight of the exposed receptor (kg).

AT = Averaging time (days). The number of days over which the average dose is calculated.

For chemicals in soil or sediment, DA_{event} is estimated as follows:

$$DA_{event} = C \cdot CnF \cdot DAF \cdot ABS_d$$

where:

C = Chemical concentration in soil or sediment (mg of chemical per kg of soil or sediment).

CnF = Conversion factor (10^{-6} kg/mg).

DAF = Dermal adherence factor (mg of soil per square cm of skin surface area per event). This describes the amount of soil that adheres to the skin per unit of surface area.

ABS_d = Dermal absorption fraction (unitless). This value is chemical-specific and represents the contribution of absorption of a chemical across receptor's skin from soil to the systemic dose. Table 3-32 summarizes the dermal absorption fraction values for each COPC.

For chemicals in water, DA_{event} is estimated as follows:

$$DA_{event} = K_p \cdot C \cdot t_{event}$$

where:

K_p = Chemical-specific dermal permeability coefficient of compound in water (cm/hour). Table 3-33 summarizes the K_p values for each chemical.

C = Chemical concentration in water (mg of chemical per cubic cm of water).

t_{event} = Event duration (hours/event). This describes how long receptor is likely to be exposed to the contaminated medium per exposure event.

The equation for calculating DAD is:

Soil/Sediment: $DAD = C_{soil/sediment} \cdot ABS_d \cdot HIF_{soil/sediment}$
Water: $DAD = C_{water} \cdot K_p \cdot HIF_{water}$

where:

$HIF_{soil/sediment} = (SA \cdot DAF \cdot EF \cdot ED \cdot EV \cdot CnF) / (BW \cdot AT)$

$HIF_{water} = (SA \cdot EV \cdot EF \cdot ED \cdot t_{event}) / (BW \cdot AT)$

The units of HIF are kg/kg-day for soil and sediment, and cm^2-hour/kg-day for water.

As described above, cancer risks were calculated as the TWA for a lifetime of exposure. For non-cancer hazards, children and adult receptors were evaluated separately.

Dermal exposures were only evaluated for COPCs with appropriate ABS_d values (for soil/sediment exposures) or K_p values (for water exposures) (EPA, 2001c).

3.5.1.3 Inhalation Exposures

Inhalation exposures are evaluated in accordance with the inhalation dosimetry methodology presented in EPA's *Risk Assessment Guidance for Superfund (RAGS) Part F: Inhalation Risk Assessment* (EPA, 2009a). In accordance with EPA (2009a), the inhaled exposure concentration (EC) for chronic exposures is calculated as:

$EC = C \cdot (ET \cdot EF \cdot ED / AT)$

where:

EC = Exposure concentration ($\mu g/m^3$). This is the time-weighted concentration based on the characteristics of the exposure scenario being evaluated.

C = Concentration of the chemical in air ($\mu g/m^3$) to which the receptor is exposed.

ET = Exposure time (hours/day). How long receptor is likely to be exposed to the contaminated medium over the course of a typical day.

EF = Exposure frequency (days/year). How often receptor is likely to be exposed to the contaminated medium over the course of a typical year.

ED = Exposure duration (years). How long receptor is likely to be exposed to the contaminated medium during their lifetime.

AT = Averaging time (hours). Length of time over which the TWA concentration is calculated.

The equation for exposure concentration is:

$$EC = C \cdot TWF$$

where:

TWF = Time-Weighting Factor (unitless). The value of TWF is given by:

$$TWF = (ET \cdot EF \cdot ED / AT)$$

As described above, when the same individual may be exposed beginning as a child and extending into adulthood, exposure was calculated as the TWA lifetime exposure for evaluating cancer risks. For non-cancer hazards, children and adult receptors were evaluated separately.

3.5.2 Exposure Parameters

For every exposure scenario of potential concern, it is expected that there will be variability among individuals in the level of exposure at a specific location because of differences in intake rates, body weights, exposure frequencies, and exposure durations. Thus, there is normally a wide range of average daily intakes (ADIs) among different members of an exposed population. Because of this, all daily intake calculations must specify what part of the range of doses is being estimated. Typically, attention is focused on intakes that are near the upper end of the range (e.g., the 95th percentile; RME), and on intakes that are "average" or are otherwise near the central portion of the range (CTE). Both RME and CTE scenarios were evaluated for receptors in this HHRA.

When selecting parameters for the RME scenario, the intake variables are selected such that the combination of the intake variables results in a "reasonable" maximum estimate of the daily intake (EPA, 1989). In other words, some inputs are set equal to mean values (e.g., body weight) and some inputs are set equal to upper bound values (e.g., ingestion rates, exposure frequency, and exposure duration), such that the resulting combination yields an estimate that is RME (EPA, 1989). When selecting parameters for the CTE scenario, the intake variables for a specific exposure pathway (e.g., body weight, ingestion rate, exposure frequency, exposure duration) are usually based on mean or median values, such that the CTE represents the "typical" or "average" exposure. As noted above, because exposure parameters (e.g., intake rates, body weight, and exposure frequency) may change as a function of age, values were selected separately for children (0-6 years) and adults (7+ years).

Tables 3-34 through 3-36 present summaries of HIF values for the RME and CTE exposure scenario, respectively (for ingestion and dermal pathways) and TWF values (for inhalation pathways) by receptor and exposure pathway. Detailed information on exposure parameters for each exposed population is provided below.

3.5.2.1 Residential and Outdoor Worker Exposure Parameters

The EPA has collected a wide variety of data and performed several studies to establish national default values for most residential and outdoor worker exposure parameters. For this HHRA, the primary sources of these parameters were:

- EPA, 1989: Risk assessment guidance for Superfund, Volume 1, Human health evaluation manual (Part A)
- EPA, 1994b: Guidance manual for the integrated exposure uptake biokinetic model for lead in children
- EPA, 1996d: Recommendations of the technical review workgroup for lead for an interim approach to assessing risks associates with adult exposures to lead in soil
- EPA, 1998a: Ambient water quality criteria derivation methodology
- EPA, 2004b: Risk assessment guidance for Superfund, Volume 1. Human health evaluation manual (Part E – Dermal)
- EPA, 2011a: Exposure factors handbook
- EPA, 2014a: Human health evaluation manual, Supplemental guidance: Update of standard default exposure factors
- EPA, 2019a: Regional screening levels (RSLs) – generic tables

If default exposure parameters were not available, then professional judgement was used in selecting appropriate exposure parameter values. Tables 3-37 and 3-38 present the parameters that were used in this HHRA for the RME and CTE scenarios for outdoor worker and resident populations, respectively.

Residents, with and without beaches, were assumed to consume fish at a rate determined by Site-specific surveys. For both the RME and CTE scenarios, the most conservative 95th percentile fish consumption rate from either the RecUse or Tribal Survey was selected for adults. For the RME, the fish consumption rate for adults was taken from the RecUse Survey (SRC, 2019a). The adult CTE fish consumption rate was taken from the Tribal Survey (SRC, 2019b). Reliable fish consumption estimates could not be derived for children using the Site-specific survey data (SRC, 2019a, 2019b). The adult fish consumption estimates that were derived using survey data were multiplied by a ratio of children-to-adult dietary intake of 0.5 which was estimated using energy requirements for children and adults based on regression models presented in Institute of Medicine (IOM, 2005) (see Appendix 14)[70].

The CTE daily fish consumption rates were estimated by Mountain Whisper Light (MWL) using a two-part regression model developed by the National Cancer Institute (NCI; MWL, 2017; Tooze et al., 2006) with data provided by the Tribal Survey 24-hour dietary recall interviews (Westat, 2012). The data included all freshwater finfish consumption reported on the 24-hour dietary recalls. Prior to estimating daily consumption rates (DCRs), the fish consumption data for each participant were reduced to daily consumption amounts (grams [g]/day) for each 24-hour

[70] If a rate of consumption of a specific food could not be estimated for children from the RecUse or Tribal Surveys (or other credible sources), consumption rates for children were calculated by apportioning the adult consumption rate based on estimated energy requirements for children and adults. The adjustment factor was as follows: child consumption = adult consumption × 0.5 (Appendix 14). This adjustment factor applies to the overall diets of children and adults, but may not accurately reflect child/adult consumption ratios for specific foods that are likely to be affected by differences in food preferences between children and adults.

dietary recall completed. After extensive testing of various NCI models, MWL did not include the food questionnaire (FQ) data in the NCI model estimates because the FQ data did not improve the estimates of daily fish consumption rates with the NCI model (MWL, 2017). The estimate of the RME DCR for fish is described in Section 3.5.2.2.

Residents with beaches were assumed to visit the beach on their property 32 days/year for the RME scenario, representing 2 days/week for 16 weeks of seasonable weather each year (Table 3-38). It was assumed that resident children join adults when spending time at their beach. For the CTE scenario, adult and child residents with beaches were assumed to visit their beach 20 days/year. The CTE EF for residential beaches is the RME EF for the number of day trips per year to public beaches (SRC, 2019a). The CTE and RME EF for residents with beaches on their property assume people with beaches on their property will visit the beaches more frequently than people who visit public beaches along the UCR.

3.5.2.2 Recreational Visitor Exposure Parameters

Exposure parameters for visitors to the UCR were estimated with data provided by the RecUse Survey (IEc, 2012, 2013a; SRC, 2019a) and professional judgement and are shown in Table 3-39.

Fish Consumption Rates

Daily fish consumption rates were estimated using data provided by the RecUse Survey fish consumption diaries and the survey questionnaire (IEC, 2013a; SRC, 2015b, 2019a). The estimates are for the population of recreational visitors who are fish consumers. The diary data were used for survey participants who provided three complete monthly diaries; otherwise, the questionnaire data were used. Prior to combining the questionnaire and diary data, the fish consumption data for each participant were reduced to an average DCR (g/day) for that participant. For the questionnaire data, the fish DCR was calculated as the total fish meals reported for the preceding 12 months, multiplied by the typical meal size (g), and then divided by 365 days. For the diary data, the fish DCR was calculated as the total amount (g) of fish ingested over the 3 monthly diaries, divided by 90 days. An analysis of the fish DCR did not support adjusting the diary and/or questionnaire data to account for the difference in the lengths of time covered by the two survey instruments (i.e., 90 versus 365 days, respectively), or potential differences in recall error between the two survey instruments (SRC, 2019a). The mean (CTE) and 95th percentile (RME) DCR for fish were estimated using the SAS SurveyMeans[71] procedure.

Exposure Frequency

Exposure frequencies were estimated using the number of past trips to the UCR (Reaches 1-6) reported by the survey participants. Participants were asked to provide the number and location of past camping trips, boating trips and beach trips. The location of each beach and camping facility was determined using information provided by the survey DSR (IEc, 2013a) and based on further discussion with DOI (IEc, 2013b). Exposure frequencies were estimated separately for

[71] SAS|STAT and SAS|Graph Software Version 9.4 of the SAS System for Windows. Copyright (c) 2002–2012 by SAS Institute Inc.: Cary, NC, USA. All Rights Reserved; SAS|Enterprise Guide Version 7.13. Copyright (c) 2016 by SAS Institute Inc.: Cary, NC, USA. All Rights Reserved.

each of the three trip types and for each region of the UCR. The data available for each participant are as follows:

- Beach trips - number of beach trips reported during June-September of the year prior to the survey interview. Participants reported the number of trips for each beach they visited.
- Boating trips - number of boating trips taken during the "current" season (i.e., the season in which the survey interview took place: spring, summer, fall or winter) and the number of boating trips taken during the four seasons prior to the "current" season. Participants also reported the river reaches they visited during each visit.
- Camping trips – For each camping facility/location they camped at, participants provided the name of the camping facility/location, the number of nights spent camping at that location during the current season, and the number of nights spent camping at that location during the four seasons prior to the "current" season.

Exposure Time

Research indicates that people are not able to accurately recall times they typically spend engaging in recreational activities (IEc, 2013a). Therefore, participants were asked to provide the time they spent swimming (and wading) in water greater than waist deep during their current trip. Times spent swimming were estimated for adults and children for each of the three trip types (beach, boating and camping), as described in detail in SRC (2019a). As discussed in SRC (2019a), estimates of time spent swimming during beach trips were very precise for adults and children for all regions of the UCR combined. Few interviews captured swimming ET for children on boating and camping trips (n = 16 and n = 24, respectively). As such, swimming ET for those two types of trips were estimated by combining adult and child data. The number of interviews in the upper region was lower than expected, likely because of higher than average snowfall the previous winter, which flooded Black Sand Beach and necessitated a lower drawdown than usual, making some boat launches inaccessible for portions of the time. As a result, estimates of ET by lake region are considered less reliable than estimates of ET with lake regions combined. Therefore, separate estimates by lake region were not used to estimate risk.

Table 3-39 presents estimates of the means and 95th percentiles for exposure frequencies and exposure times for beach, boating, and camping trips, along with other parameters for the CTE and RME scenarios, which were used to estimate potential risks to recreational visitors. Additional details on the RecUse data, data reductions, and the statistical methods that were used to estimate exposure parameters are provided in SRC (2019a).

4 TOXICITY ASSESSMENT

4.1 Overview

The toxicity assessment identifies potential adverse human health effects from a chemical, and how these adverse effects depend on exposure level, also known as the dose-response. In addition, the toxic effects of a chemical frequently depend on the route of exposure (oral, inhalation, dermal) and the duration of exposure (subchronic, chronic, or lifetime). Thus, a full description of the toxic effects of a chemical includes a listing of what adverse health effects the chemical may cause, and how the occurrence of these effects depends upon dose, route, and duration of exposure.

The toxicity assessment for lead is below in Section 4.2. The toxicity assessment of non-lead COPCs is usually divided into two parts: the first characterizes and quantifies the non-cancer effects of the chemical, while the second addresses the cancer effects of the chemical. This two-part approach, described in Sections 4.3 and 4.4, is employed because there may be major differences in the time-course of action and the shape of the dose-response curve for non-cancer and cancer effects.

4.2 Toxicity of Lead

Health effects associated with exposure to inorganic lead and compounds include, but are not limited to: neurotoxicity, developmental delays, hypertension, impaired hearing acuity, impaired hemoglobin synthesis, and male reproductive impairment. Lead is stored in the body, primarily in bone. Lead body burdens vary significantly. Thus, based on current knowledge of lead pharmacokinetics, and an apparent lack of a threshold effect (NTP, 2012), no toxicity values have been derived for lead.

Risks from lead are evaluated using a different approach than other chemicals. First, because lead is widespread in the environment, exposure can occur from many different sources. Thus, lead risks are based on all sources rather than just Site-related sources. Second, because epidemiological studies of lead exposures and resultant health effects in humans have not established a PbB below which adverse effects are not observed, lead exposures and risks are typically assessed by calculating the levels of lead that may occur in the blood among exposed populations and comparing these to PbB associated with health effects (for more information, see EPA, 1994b, 1998b). For convenience, the concentration of lead in blood is usually abbreviated "PbB," and is expressed in units of μg/dL.

4.2.1 Blood Lead Level of Concern

Health effects from elevated PbB are most sensitive for the developing nervous systems of young children or the fetus of pregnant women because: 1) young children typically have higher exposures (per unit body weight) to lead-contaminated media than adults, 2) young children typically have higher lead absorption rates than adults, and 3) young children and fetuses are generally more susceptible to effects of lead than are adults (NTP, 2012).

OSWER Directive 9355.4-12 (EPA, 1994a) identifies a risk reduction goal of limiting exposure to lead such that children would have estimated risk of no more than 5% probability of exceeding a PbB of 10 µg/dL. OLEM Directive 9200.2-167 (EPA, 2016a) highlights the current science and risk assessment tools that Regions may consider when implementing the 1994 *Revised Interim Soil Lead Guidance for CERCLA Sites and RCRA Corrective Action Facilities* (OSWER Directive 9355.4-12).

EPA's ORD reviewed the health effects evidence for lead in the 2013 ISA for Lead and found that several studies have observed "clear evidence of cognitive function decrements (as measured by Full Scale IQ, academic performance, and executive function) in young children (4-11 years old) with mean or group PbBs between 2 and 8 µg/dL (measured at various lifestages and time periods)." In addition, the NTP's (2012) Monograph on Health Effects of Low-Level Lead found sufficient evidence of delayed puberty, reduced post-natal growth, and decreased hearing for children at PbBs below 10 µg/dL and adverse effects on academic achievement, IQ, other cognitive measures, attention-related behaviors, and problem behaviors at PbBs below 5 µg/dL (NTP, 2012).[72]

For this HHRA, the risk evaluation benchmarks selected for evaluation of lead risk were 3, 5, or 8 µg/dL; these benchmarks are within the risk range of child PbBs associated with adverse health effects (2 to 8 µg/dL) cited in the 2016 OLEM Soil Lead Directive (EPA, 2016a). Elevated lead risk was defined as >5% probability of exceeding each of these target PbBs: >5% probability of exceeding 3 µg/dL (referred to as "P3"), >5% probability of exceeding 5 µg/dL (referred to as "P5"), or >5% probability of exceeding 8 µg/dL (referred to as "P8").

At the low end of the target risk range (2 µg/dL), the risk target goal (of limiting exposure to lead such that children would have estimated risk of no more than 5% probability of exceeding 2 µg/dL as determined by the IEUBK model) is exceeded by the current default exposures in the IEUBK model. Currently, assumed exposure to lead in other (not Site-related) media (drinking water, air, diet) results in a baseline PbB of approximately 2.3 µg/dL, which means that even if the soil lead concentrations were zero (0 ppm), use of the current default parameters in the IEUBK model will result in more than 5% probability that PbB will be >2 µg/dL. The estimated Site background soil lead concentration is around 35 ppm (Appendix 4). P3 was selected as a lead risk benchmark to evaluate the low end of the risk range of child PbBs associated with adverse health effects. For this HHRA, the results for P3, P5, and P8 were assessed quantitatively.

4.3 Non-Cancer Effects

All chemicals can cause adverse health effects if an individual is exposed at a sufficient dose. Alternatively, when the dose is sufficiently low, no adverse effect is observed. The key parameter is the threshold dose at which an adverse effect first becomes evident. Doses below the threshold are considered to be safe, while doses above the threshold may cause an adverse effect.

[72] CDC recommendations for follow-up and case management based on child PbBs are available online at https://www.cdc.gov/nceh/lead/advisory/acclpp/actions-blls htm.

The threshold dose is typically estimated from studies of humans and/or animals by finding the highest dose that does not produce an observable adverse effect, and the lowest dose which does produce an effect. These are referred to as the "no-observed-adverse-effect-level" (NOAEL) and the "lowest-observed-adverse-effect-level" (LOAEL), respectively. The threshold is presumed to lie between the NOAEL and the LOAEL. Alternatively, dose-response data for the critical effect may be modeled using EPA's Benchmark Dose Modeling Software to obtain the lower confidence limit on the estimate of the threshold dose (BMDL). Non-cancer hazard evaluations are not based directly on the threshold exposure level, but on a value referred to as the Reference Dose (RfD) for oral exposures or Reference Concentration (RfC) for inhalation exposures. The RfD and RfC are estimates (with uncertainty spanning perhaps an order of magnitude) of a daily exposure to the human population (including sensitive subgroups) that is likely to be without an appreciable risk of deleterious effects during a lifetime.

The RfD and RfC values are derived from a BMDL or NOAEL (or a LOAEL if a reliable NOAEL is not available) by dividing by an "uncertainty factor" (UF). Factors accounting for several sources of uncertainty (e.g., interspecies uncertainty [UF_A], intraspecies variability [UF_H], subchronic to chronic extrapolation [UF_S], LOAEL to NOAEL extrapolation [UF_L], etc.) are combined into a single UF that is applied to the RfD or RfC value. If the data are from studies in humans, and if the observations are considered to be very reliable, the UF may be as small as 1.0 (EPA, 2002f).[73] However, the UF is normally at least 10, and can be as high as 10,000 when toxicity data are limited or uncertain. The effect of dividing the BMDL, NOAEL, or LOAEL by a UF is to ensure that the RfD or RfC is not higher than the threshold level for adverse effects. Thus, there is always a "margin of safety" built into RfD and RfC values. Exposures higher than the RfD or RfC may carry some risk, but because of the margin of safety, an exposure above the RfD or RfC does not mean that an effect will necessarily occur.

4.4 Cancer Effects

For cancer effects, the toxicity assessment process has two components. The first is an evaluation of the weight of evidence (WOE) to determine if a COPC causes cancer in humans. Previously, this evaluation was performed by the EPA using the system summarized in Table 4-1 (EPA, 1986).

More recently, EPA has developed a revised classification system for characterizing the WOE for carcinogens (EPA, 2005c). However, this system has not yet been implemented for a number of chemicals, so the older classification scheme is still relevant.

For chemicals which are classified in Group A, B1, B2, or C, the second part of the toxicity assessment is to quantify the carcinogenic potency of the chemical. This is done by relating the number of cancers observed in animals or humans as the dose increases (dose-response). Typically, it is assumed that the dose response curve for cancer has no threshold, arising from the origin and increasing linearly until high doses are reached. Thus, the most convenient descriptor of cancer potency is the slope of the dose-response curve at low doses (where the slope is still

[73] For example, the intraspecies UF was reduced to 1 for nitrate based on very specific data regarding the vulnerability of infants and children within certain age ranges.

linear). This is referred to as the Slope Factor (SF), which has units of probability of cancer per unit dose.

Estimating the cancer SF is often complicated by the fact that observable increases in cancer incidence usually occur only at relatively high doses, frequently in the part of the dose-response curve that is no longer linear. Thus, it is necessary to use mathematical models to extrapolate from the observed high dose data to the desired (but unmeasurable) slope at low dose. To account for the uncertainty in this extrapolation process, EPA typically chooses to employ the upper 95UCL of the slope as the SF. That is, there is a 95% probability that the true cancer potency is lower than the value chosen for the SF. This approach ensures that there is a margin of safety in cancer as well as non-cancer hazard estimates. In this assessment, arsenic is a notable exception because its SF is a most likely or central tendency estimate, not an upper 95^{th} estimate.

For inhalation exposures, cancer risk is characterized by an Inhalation Unit Risk (IUR) value. This value represents the upper-bound excess lifetime cancer risk estimated to result from continuous lifetime exposure to a chemical at a concentration of 1 $\mu g/m^3$ in air.

4.5 Human Toxicity Values

Toxicity values (RfD, RfC, SF, and IUR values) that have been established by EPA are listed in an on-line database referred to as "IRIS" (Integrated Risk Information System) (EPA, 2015e). Other toxicity values are available as interim recommendations from EPA's Superfund Technical Assistance Center operated by the National Center for Environmental Assessment (NCEA). Selection of toxicity values (RfD, RfC, SF, and IUR values) for use in this risk assessment follows the hierarchy for use in HHRA at Superfund sites as described in Section 3.2.2 and EPA (2003d). A table of toxicity values derived following this hierarchy is maintained by EPA and is periodically updated by Oak Ridge National Laboratories (EPA, 2019a). This table is incorporated into the RSL table.

All toxicity values used in this assessment were taken from the May 2019 version of the RSL tables. Tables 4-2 through 4-5 show the toxicity values used for evaluation of human health risks from COPCs at this Site. Points to note regarding the data in these tables are listed below (see also the User's Guide to the RSL):

- Two oral RfD values are available for cadmium: food or water. The value for food was used to evaluate risks from exposure to sediment, soil, fish, macroinvertebrates, amphibians and reptiles, waterfowl, upland birds, wild game (mammals), and plants. The value for water was used to evaluate risks from exposure to surface water.
- Two oral RfD values are available for manganese: food and nonfood. The IRIS RfD (1.4×10^{-1} mg/kg-day) includes manganese from all sources, including diet. IRIS recommends subtracting the dietary contribution when evaluating non-food (e.g., drinking water or soil) exposures to manganese, leading to an RfD of 7.1×10^{-2} mg/kg-day for non-food items. IRIS further recommends using a modifying factor of 3 when calculating risks associated with non-food sources because of uncertainties, leading to an RfD of 2.4×10^{-2} mg/kg-day. This RfD based on non-food sources was used for sediment, soil, and surface water.

- The RfD and cancer SF for arsenic are based on the inorganic form. However, arsenic that accumulates in fish tissue is present mostly in a relatively non-toxic, organic form, usually as arsenobetaine (ATSDR, 2007). Numerous studies have measured the fraction of total arsenic in fish that exists as inorganic (toxic) arsenic in fish (e.g., Yost et al., 1998; Schoof et al., 1999; EPA, 2005d). Most measured values are below 10%, with a value of about 4% being typical (EPA, 2005d; Lorenzana et al., 2009). Inorganic arsenic was not detected in any fish fillet samples collected on-Site.[74] However, both inorganic and total arsenic were detected in whole body samples of some fish collected in 2005. Inorganic arsenic was detected in 3 of the 25 whole body fish submitted for analysis of both total and inorganic arsenic, and total arsenic was detected in all 25 whole body fish. When a mean inorganic arsenic concentration was calculated using the Reporting Limit as the concentration value for non-detects, the mean inorganic arsenic was 13.45 µg/kg ww, and the mean total arsenic in whole body fish was 246.4 µg/kg ww. This results in a Site-specific fraction of inorganic arsenic (compared to total arsenic) of 5.5% in whole body fish. For this assessment, if a fish tissue (fillet) sample was analyzed for inorganic arsenic, that result was used as the inorganic arsenic concentration in the EPC calculations. If a fish tissue (fillet) sample was not analyzed for inorganic arsenic, then the Site-specific fraction of 5.5% was applied to the total arsenic concentration and that result was used as the inorganic arsenic concentration in the EPC calculations.
- Data on metal speciation at the Site are not available. Toxicity values for metals were selected based on the most conservative value, unless it was not plausible for the medium. Details of the toxicity value selections for metals are as follows:
    - Chromium detected at the Site was assumed to be in the hexavalent form [Cr(VI)], the most toxic form of chromium. This is a conservative assumption and is likely to overestimate actual exposures.
    - For the purposes of this assessment, it was assumed that nickel in sediment, soil, fish, macroinvertebrates, amphibians, reptiles, waterfowl, upland birds, wild game (mammals), and plants at the Site is in the form of refinery dust. This is likely to overestimate actual exposures. For nickel in surface water (total or dissolved), the toxicity values for soluble nickel salts were used, as soluble forms are most likely to occur in an aqueous environment.
    - Thallium at the Site was assumed to exist in the form of soluble salts. The oral RfD for soluble thallium salts is as low or lower than RfDs for other forms of thallium. This is likely to overestimate actual exposures.
- Toxicity values are not available for o,p'-dichlorodiphenyldichloroethane (DDD) or o,p'-dichlorodiphenyltrichloroethane (DDT), but were available for the closely related compound p,p'-DDT; thus, toxicity values for p,p'-DDT were used for these compounds.
- alpha-Chlordane and gamma-chlordane are both constituents of technical grade chlordane, so the exposure concentrations for these compounds were summed and the

[74] The average % inorganic arsenic was also calculated using measured total arsenic in fillets and the method detection limit (MDL) as the value for inorganic arsenic, as per the Arsenic Data Usability Report (SRC, 2012); the calculated % arsenic was 5.6%, similar to the measured value for whole body fish.

toxicity values for technical grade chlordane (Chemical Abstracts Service Registry Number [CASRN]: 57-74-9) were used to estimate associated risks.

- Toxicity values were not available for several other COPCs (see Table 4-6[75]). Risks associated with exposure to these COPCs are discussed in Section 6.0.

4.5.1 Toxicity Values for Dermal Exposures

Oral toxicity factors are expressed in terms of toxicity per unit dose of chemical ingested, rather than in terms of toxicity per unit amount of chemical absorbed. However, the equations for characterizing dermal contact with chemicals provide exposure values that are based on absorbed dose rather than ingested dose. Thus, oral RfD and SF values must be adjusted for use in evaluating dermal exposures:

$$\text{RfD(dermal)} = \text{RfD(oral)} \cdot \text{Oral absorption fraction}$$

$$\text{SF(dermal)} = \text{SF(oral)} / \text{Oral absorption fraction}$$

Table 4-7 lists the oral absorption efficiency for dermal fractions used to adjust oral toxicity values for use in assessing dermal exposure, as recommended by EPA (2004b). If chemical-specific absorption fractions are not available, a value of 1.0 was assumed, consistent with EPA (2004b) guidance.

4.5.2 Toxicity Values for 2,3,7,8-Tetrachlorodibenzo(p)dioxin (TCDD)-Like Congeners

Cancer risks and non-cancer hazards from exposure to dioxins, furans, and dioxin-like PCB congeners were assessed using the toxicity values for TCDD in conjunction with WHO (2005; cited as van den Berg et al., 2006) TEFs (Table 4-8), as recommended by EPA (2010a). The TEFs were used to convert EPCs for individual congeners to TEQ values, which were then summed to derive a total TEQ. The total TEQ was used as the EPC in the exposure assessment and combined with the toxicity values for TCDD to estimate risks.

4.5.3 Toxicity Values for Polycyclic Aromatic Hydrocarbons (PAHs)

Cancer risks from exposure to PAHs were assessed using the oral SF and IUR for benzo(a)pyrene in conjunction with the EPA (1993) relative potency factors (RPFs); see Table 4-9), as recommended by EPA (2018a). Each RPF is multiplied by the SF and unit risk for benzo(a)pyrene to derive a SF and unit risk for that PAH.

4.6 Adjustments for Relative Bioavailability (RBA)

An accurate assessment of human exposure to ingested chemicals requires knowledge of the amount of chemical absorbed from the gastrointestinal (GI) tract into the body from Site media compared to the amount of absorption that occurred in the toxicity studies used to derive the toxicity factors (EPA, 2007c). This ratio (amount absorbed from Site media compared to the amount absorbed in toxicity tests) is referred to as RBA.

[75] Only the common metals highlighted with "b" in Table 4-6 are applicable to this HHRA.

Accounting for RBA is particularly important for ingested metals (Goyer et al., 2004; Bradham et al., 2018a; SRC, 2017). In general, metals in soil or sediment exist in the form of mineral particles that are not rapidly solubilized in GI fluids when ingested, while toxicity studies often utilize readily soluble forms of the test chemical. In the absence of data to the contrary, EPA (1989) recommends assuming equal bioavailability of a chemical in soil, diet, and water (i.e., RBA = 1.0). Data are limited or absent for most chemicals (aside from lead and arsenic). Therefore, RBA values were set to 100% for this HHRA for all COPCs except lead and arsenic. This is likely to overestimate actual exposures, as discussed in Section 6.3.1.3.

In the 2014 and 2016 Residential Soil Studies, arsenic and lead IVBA from soil was measured in a subset of DUs (SRC, 2014b; Ramboll Environ, 2016). For each DU with IVBA data, an RBA-adjusted soil lead concentration was calculated using the following equations (EPA, 2006e, 2009b):

$$RBA = (0.878 \times IVBA - 0.028) \quad \text{(Equation 1)}$$

$$\text{RBA-adjusted Pb concentration} = RBA/0.6 \times \text{measured Pb concentration} \quad \text{(Equation 2)}$$

where IVBA is in decimal format (i.e., not as a percentage), 0.6 is the default soil RBA in the IEUBK model (0.6 = 0.3/0.5), and the measured lead concentration is based on the IC soil sample result (or average, if replicate IC samples were collected).

Soil arsenic concentrations for the 2014 and 2016 residential soil data were adjusted for RBA using the following equations (EPA, 2017e):

$$RBA = (0.79 \times IVBA + 0.03) \quad \text{(Equation 3)}$$

$$\text{RBA-adjusted As concentration} = RBA \times \text{measured As concentration} \quad \text{(Equation 4)}$$

where IVBA is in decimal format (i.e., not as a percentage), and the measured arsenic concentration is based on the IC soil sample result.

The mean RBAs for arsenic and lead that were applied for residential soils not evaluated for IVBA are presented in Tables 4-10 and 4-11. The approach for adjusting arsenic and lead concentrations in DUs that were not evaluated for IVBA required categorizing the DUs as being located either within or outside the 2014 residential soil study area and assigning the corresponding mean RBA from Tables 4-10 and 4-11, as described in further detail in Appendix 11 (SRC, 2017).

Equations 1 through 4 were used to adjust arsenic and lead concentrations in Upland soil ADAs and RFDAs as well, for those ADAs and RFDAs having measured IVBA values. The mean RBA from those ADAs and RFDAs with measured IVBA was used to adjust arsenic and lead concentrations in soil samples from ADAs and RFDAs not having measured IVBA data (Table 4-12).

Public beach sediment data were also adjusted for RBA. EPCs for public beach sediment collected in 2009, 2010, and 2011 were first estimated for the <250 µm GSF using five 12-point

composite samples collected from the 0-6-inch depth interval from each beach. Each of the composite samples was sieved to four GSFs: <63 µm, 63-125 µm, 125-250 µm, and 250 µm-2 mm; the first three GSFs were used to estimate EPCs for the public beaches. One composite sample for each beach had all four GSFs analyzed for TAL metals and IVBA for arsenic and lead. The EPCs for the <250 µm GSF were calculated using a weighted average of the three GSFs that comprised the <250 µm GSF, where the weights were based on the mass of soil in each of the three GSFs. Likewise, the RBA-adjusted results for arsenic and lead in each sample were calculated as a weighted average for each of the three GSFs that comprised the <250 µm GSF. The measured lead and arsenic concentrations along with measured lead IVBA% in the <250 µm GSF provided by the reanalysis of beach sediment data (EPA, 2013b) were used for Bossburg Flat, Evans Campground, Flat Creek, Lyons Island, and Swimming Hole beaches rather than the estimates derived for them using the method described above. The calculated <250 µm arsenic IVBA% from the 2009-2011 results were applied to measured <250 µm arsenic concentrations from the 2013 reanalysis.

EPCs for the Bossburg Flat Beach and Evans Campground Beach SDUs (including location F-01) and UDUs sampled in 2015 were calculated by exposure area (TAI, 2016a). Equations 1 through 4 were used to adjust arsenic and lead concentrations in surface and subsurface sediment and beach soil samples using measured IVBA results for each sample.

Surface water concentrations of arsenic and lead were also adjusted for RBA using Equations 1 through 4 above. The mean RBA for arsenic (20.63%) and lead (44.42%) from across all public beach sediment samples was used to adjust arsenic and lead concentrations in surface water samples.

5 RISK CHARACTERIZATION

5.1 Lead Risk Calculations

5.1.1 Model Analyses for Child Exposure Scenarios

The IEUBK model (version 1.1, build 11) was used for all analyses involving lead exposure for children. This version of the IEUBK model was updated to include inputs recommended by the EPA TRW Lead Committee[76] as shown in Table 3-30.

Batch mode was used to assess risk for some exposure pathways using the IEUBK model. Because this assessment is prospective (i.e., not assessing actual children, but "typical" or hypothetical children 12-72 months old), the probability of exceeding a target PbB is based on the predicted average of the geometric mean blood lead result for children age 12-72 months. Instead of running the IEUBK model in batch mode 60 times (i.e., once for each age month) for each DU or ADA, the TRW Lead Committee recommends using the result from the 32-month-old child in batch mode to approximate the PbB average of the 12-72-month age range for children exposed to soil lead concentrations ranging from 100 to 800 ppm (TRW, 2017). That surrogate approach was used here. Appendix 5 presents the IEUBK batch mode output.

As discussed in Section 4.2.1, lead risk was quantitatively assessed in terms of whether the exposure exceeded the risk benchmark. For this HHRA, the selected benchmarks for quantitative risk evaluation were "does the exposure result in more than 5% probability of exceeding PbB of 3, 5, or 8 µg/dL;" P3, P5, and P8, respectively. For media other than residential soil, lead risk may also be presented in terms of how exposure to the medium contributes to overall risk given a selected concentration of lead in residential soil. When lead intake from the subject medium was <1 µg Pb/day, then that intake contributed minimally to lead risk (see Section 3.4).

Because the IEUBK model integrates exposures from all media, high lead exposures in media not associated with the specific pathway in question can result in benchmark exceedances even when the lead concentration(s) in media associated with the pathway in question is low to moderate. For example, for P5, residential soil lead concentrations near 200 ppm (the approximate soil lead PRG using the P5 risk benchmark) allow for little to no exposure to lead through other pathways.

The following sections present the results of the lead risk characterization by exposure scenario.

5.1.1.1 Current Child Resident Exposed to Lead in Residential Soil with and without Fish Consumption

Methodology

This exposure pathway was assessed using the IEUBK model to calculate risk to current child residents from exposure to lead in Site air, residential DU soil/dust, and fish by species caught and consumed from the UCR. Model runs were done with and without fish consumption. Batch mode was used to assess risk for this pathway on a DU-by-DU basis using the IEUBK model (see section 3.3.1 for more information). The receptor population includes all child residents.

[76] https://www.epa.gov/superfund/lead-superfund-sites-technical-assistance.

Arithmetic mean values for the ICs of each DU sampled in triplicate in the 2014 and 2016 residential soil studies or the sample result if only one IC sample was collected from a DU (aside from tribal allotments, driplines, residential beaches, and 1 DU that was previously used as a potential ore stockpile) were used as the soil lead EPC for the batch mode calculation. The soil lead EPC was the RBA-adjusted lead result (see Section 4.6 and Appendix 11) to allow the default RBA for soil to be retained in the IEUBK model batch mode analysis. Dust lead concentration was calculated as the MSD-based result from the RBA-adjusted soil lead EPC (the MSD approach included the contribution from outdoor air lead). Outdoor air lead concentration was based on Site-specific information as described in Table 3-30. As discussed in Section 5.1.1, the results for the 32-month-old child were used as a surrogate for hypothetical children 12-72 months old in current residences.

Because fish consumption resulted in lead intake <1 µg/day (as shown in Table 5-1), risk for this receptor was assessed both with and without consumption of fish from the UCR. In general, risk from consuming fish from the UCR is low for lead for all species but sucker. Risk was calculated using lead intake from consuming fish as an alternate intake in the IEUBK model (using the individual fish species average lead concentration and the DCR for fish from the Tribal Survey – 0.5 × the value used as the adult CTE DCR, Section 3.5.2.1 [SRC, 2019b; IOM, 2005; see Appendix 14]). The alternate intake of lead from fish consumption was calculated as follows: lead concentration in the fish species (µg Pb/g fish) × 4.2 g fish/day = lead intake for each fish species (µg Pb/day). Because lead in fish is dietary lead, a default absorption fraction of 50% was used in the IEUBK model for this alternate intake. The small amount of fish consumed (4.2 g/day) relative to all meat (which is 64.4 g/day for 1-2-year-old children, 79.9 g/day for 2-3-year-old children, and 95 g/day for 3-6-year-old children) was not considered as a significant source of uncertainty from double counting meat intake.

Results

Table 5-2 and Figures 5-1, 5-2, and 5-3 show the results of this pathway (not including fish results, which are presented in Appendix 5) for the lead benchmarks of P3, P5, and P8, respectively, for all 588 residential DUs. Of 588 residential DUs evaluated (not including residential beach DUs, tribal allotments, driplines, or a DU that was used as a potential ore stockpile), 389 of the 588 residential DUs evaluated exceeded P3 (66%), 87 exceeded P5 (15%), and 12 exceeded P8 (2%) as shown in Table 5-2, Table 5-3, and Figures 5-1, 5-2, and 5-3. Because the exposure assumptions were for full-time residential use, application of this exposure scenario to DUs with less frequent use than residences or play areas may overestimate actual exposures.

As shown in Appendix 5, the consideration of UCR fish consumption changed the results at some DUs, suggesting that consuming fish from the UCR may pose a small (relative to lead intake from soil and sediment) additional lead risk to some residents. As shown in Table 5-4, the concentration of lead in suckers was at least 5 times higher than other species.

5.1.1.2 Future Child Resident Exposed to Lead in Upland Soil with and without Fish Consumption

Methodology

This exposure pathway was assessed using the IEUBK model to calculate risk to potential future child residents from exposure to lead in Site air, upland ADA soil/dust, and fish (assessed by species separately) caught and consumed from the UCR. Model runs were done with and without fish consumption. Batch mode was used to assess risk for this pathway using the IEUBK model (see section 3.3.1 for more information) on an ADA-by-ADA basis. The receptor population includes all potential future child residents. Arithmetic mean values for the ADA IC soil results for each ADA sampled in triplicate, or the single result for ADAs where a single IC sample was collected, were used as the soil lead EPC for the batch mode calculation. This soil lead EPC was the RBA-adjusted lead result (see Section 4.6 and Appendix 11) to allow the default RBA for soil to be retained in the IEUBK model batch mode analysis. Dust lead concentration was the MSD-based result from the RBA-adjusted soil lead EPC for the same reason (the MSD approach included the contribution from outdoor air lead). The outdoor air lead concentration was based on Site-specific information as described in Table 3-30. As discussed in Section 5.1.1, the results for the 32-month-old child was used as a surrogate for hypothetical children 12-72 months old in potential future residences.

Because fish consumption resulted in lead intake <1 µg/day (as shown in Table 5-1), risk for this receptor was assessed both with and without consumption of fish from the UCR. Risk was calculated using lead intake from consuming fish as an alternate intake in the IEUBK model (using the individual fish species average lead concentration and the DCR for fish from the Tribal Survey [SRC, 2019b; IOM, 2005; see Appendix 14]). The alternate intake of lead from fish consumption was calculated as follows: lead concentration in the fish species (µg Pb/g fish) × 4.2 g fish/day = lead intake for each fish species (µg Pb/day). Because lead in fish is dietary lead, an absorption fraction of 50% was used in the IEUBK model for this alternate intake. The small amount of fish consumed (4.2 g/day) relative to all meat (which is 64.4 g/day for 1-2-year-old children, 79.9 g/day for 2-3-year-old children, and 95 g/day for 3-6-year-old children) was not considered as a significant source of uncertainty from double counting meat intake.

Results

Table 5-5 and Figures 5-4, 5-5, and 5-6 show the results of this pathway (not including fish results, which are presented in Appendix 5) for the lead benchmarks of P3, P5, and P8, respectively. Of 142 upland ADAs evaluated, 139 ADAs exceeded P3 (98%), 68 ADAs exceeded P5 (48%), and 15 ADAs exceeded P8 (11%) as shown in Table 5-5 and Figures 5-4 through 5-6. Because the exposure assumptions were for full-time residential use, application to ADAs that are not currently residences may overestimate actual exposures, as other less frequent exposure scenarios may be expected to produce lower PbBs and estimates of P3, P5, and P8.

As shown in Appendix 5, the consideration of UCR fish consumption changed the results at some ADAs, suggesting that consuming fish from the UCR may pose a small (relative to lead intake from soil and sediment) additional lead risk to future residents. As shown in Table 5-4, the concentration of lead in suckers was at least 5 time higher than other species.

5.1.1.3 Current Child Exposure to Lead at Residential Beaches with and without Fish Consumption

Methodology

Exposure of child residents to lead while spending time recreating at beaches on their property was evaluated assuming the child plays in sediment at the beach, swims in the UCR, and consumes fish from the UCR. This exposure pathway was analyzed using the IEUBK model (see Section 3.3.1 for more information) to assess risk from Site air, Site surface water, fish caught and consumed from the UCR, and residential soil and beach sediment which is represented in the IEUBK model by a time-weighted combination of residential house DU soil and residential beach DU sediment from the 2014 and 2016 residential soil studies.

The time weighting of residential soil and beach sediment intake was based on an assumed beach exposure of 2 days/week (adjusted from the RecUse Survey data for swimming during beach visits [5.9 days/year]; SRC, 2019a). As discussed in Section 6.2.1.9 and Appendix 15, this adjustment is unlikely to significantly impact predicted PbB from the results of the All Ages Lead Model (AALM) and is a health-protective assumption. Because residential beaches are close to the residence, track-in of sediment from the beach was assumed and the MSD-dust lead concentration was derived from the time-weighted soil and sediment concentration. The time-weighting approach recommended by EPA (2003a) is to time-weight the exposure concentrations from the various locations where exposure occurs to derive an input for soil to the IEUBK model. In this instance, the residential beach exposure was time-weighted with the associated house DU for that parcel or the "surrogate" house DU. Table 5-6[77] and Appendix 13 show the residential house DU or DUs that were used for time weighting (including when a surrogate was used because some residential beaches did not have a house DU on the property).

The soil value input in the IEUBK model, derived from beach sediment and house soil concentrations, was calculated as follows:

Weighted Lead Conc. = House DU conc. (5/7) + Beach DU conc. (2/7)

The time-weighted lead concentration value was then entered into the IEUBK model (the RBA adjusted lead concentrations were used for the calculations so that the default RBA in the IEUBK model could be retained) using batch mode. The additional ingestion due to increased adherence of sediment was not considered, because a larger particle size fraction was used for sediment (than the particle size fraction used for soil, <250 µm vs <149 µm, respectively) to reflect increased adherence of sediment as compared to soil (see Appendix 13).

The outdoor air lead concentration was based on Site-specific data as specified in Table 3-30. As discussed in Section 5.1.1, the results for the 32-month-old child were used as a surrogate for hypothetical children 12-72 months old for all potential future residences.

Incidental ingestion of surface water while swimming at a residential beach and consumption of fish from the UCR were added as an additional intake of lead. The average Site-wide concentration of lead in disturbed surface water was multiplied by the number of hours spent swimming per day and volume of water consumed while swimming per hour from the RecUse Survey (SRC, 2019a). This intake of lead from incidental ingestion of disturbed surface water while swimming was added to the intake of lead from consuming fish from the UCR.

[77] In Table 5-6, the row for Beach DU 411 is shaded; this is because it is a Tribal Allotment and was evaluated in Appendices 1 and 2 only.

Because fish consumption resulted in lead intake <1 µg/day (as shown in Table 5-1), risk for this receptor was assessed both with and without consumption of fish from the UCR. Risk was calculated using lead intake from consuming fish as an alternate intake in the IEUBK model (using the individual fish species average lead concentration and the DCR for fish from the Tribal Survey [SRC, 2019b; IOM, 2005; see Appendix 14]). The alternate intake of lead from fish consumption was calculated as follows: lead concentration in the fish species (µg Pb/g fish) × 4.2 g fish/day = lead intake for each fish species (µg Pb/day). An absorption fraction of 50% was used for the additional intake of surface water while swimming and fish.

Because lead in fish is dietary lead, a default absorption fraction of 50% was used in the IEUBK model for this alternate intake. The small amount of fish consumed (4.2 g/day) relative to all meat (which is 64.4 g/day for 1-2-year-old children, 79.9 g/day for 2-3-year-old children, and 95 g/day for 3-6-year-old children) was not considered as a significant source of uncertainty from double counting meat intake. Because the volume of water incidentally consumed during swimming is small and occurs during an active event, it is unlikely to impact drinking water intake so double counting of water intake is not likely to be a significant source of uncertainty.

Results

Table 5-7 shows the results for this exposure pathway (not including fish results, which are presented in Appendix 5) for P3, P5, and P8 (Figure 5-7). As shown, incidental ingestion of sediment and surface water at residential beaches 2 days/week exceeded the P3 risk benchmark at 19 of 21 residential beaches. Incidental ingestion of sediment and surface water at residential beaches 2 days/week exceeded the P5 risk benchmark at 5 of 21 residential beaches. Incidental ingestion sediment and surface water at residential beaches 2 days/week did not exceed the P8 risk benchmark at any residential beaches. As shown in Appendix 5, the consideration of UCR fish intake did not change the results at any residential beaches because the contribution of lead from consuming local fish is small relative to the contribution from soil and sediment exposure.

5.1.1.4 Child Recreational Visitor Exposed to Lead during a Beach Day Trip to a Public Beach from Sediment and UCR Surface Water while Swimming with and without Consumption of UCR Fish

Methodology

The exposure pathway was analyzed using the IEUBK model to assess risk from Site air, Site surface water, and a time-weighted combination of an assumed residential house soil lead concentration of 129 ppm (see Table 3-16) and public beach DU sediment for solid media exposure. The time weighting of solid intake used an assumed beach exposure of 1 day/week (adjusted from the RecUse Survey data for swimming during beach day trips; SRC, 2019a). As discussed in Section 6, this adjustment is unlikely to significantly impact predicted PbB from the results of the AALM and is a health protective assumption. Because public beaches are not necessarily located close to the residence, track-in of sediment from the beach was not assumed and the MSD-dust lead concentration was derived from the assumed residential soil lead concentration (129 ppm). Incidental ingestion of surface water while swimming at a public beach was added as an additional intake of water (where the average Site-wide concentration of lead in disturbed surface water was multiplied by the number of hours spent swimming per day during beach day trips [0.98 hours/day] from the RecUse Survey [SRC, 2019a] and volume of water

consumed while swimming per hour [40 mL/hour] from EPA, 2019b). The EPC for surface water was the Site-wide disturbed surface water EPC (0.003151 µg Pb/mL). An absorption fraction of 50% was used for the additional intake of surface water while swimming. Because this volume is small and occurs during an active event, it is unlikely to impact drinking water intake so double counting of water intake is not likely to be an issue.

The results of the RecUse Survey (SRC, 2019a) for time spent recreating at public beaches (4.4 days/season) fails to meet the minima for exposure frequency and duration required by the IEUBK model (1 day/week for 13 consecutive weeks; EPA, 2003a). Rather than not assess this pathway, the HHRA assumed an exposure frequency of 13 days recreating over a 91-day exposure season. This adjustment from 4.4 exposure days/season based on the RecUse Survey (SRC, 2019a) to 13 exposure days/season to meet the IEUBK model minimal exposure requirements is more than a two-fold increase in the Site-specific exposure frequency; however, this adjustment does not significantly impact predicted blood lead concentration (see Section 6 and Appendix 15 for more information).

Because fish consumption resulted in lead intake <1 µg/day for recreational visitors on beach day trips (as shown in Table 5-1), risk for this receptor was assessed both with and without consumption of fish from the UCR. Risk was calculated using lead intake from consuming fish as an alternate intake in the IEUBK model (added to the incidental ingestion of surface water while swimming intake). Because both of these exposures (lead in surface water and lead in fish) have the same absorption fraction (50%), this was easily accommodated. Lead exposure from consuming fish from the UCR was assessed by individual species, since anglers may target specific fish species. The intake was the EPC for fish multiplied by the DCR for fish from the RecUse Survey (SRC, 2019a). Because the DCR for fish is small (3.2 g fish/day) relative to all meat (which is 64.4 g/day for 1-2-year-old children, 79.9 g/day for 2-3-year-old children, and 95 g/day for 3-5-year-old children), it was not considered as a significant source of uncertainty from double counting meat intake.

Results, without Consumption of Fish

Table 5-8 shows the results for this exposure pathway for P3, P5, and P8. As shown, incidental ingestion of sediment and surface water while recreating at public beaches exceeded the P3 risk benchmark at all public beaches. Incidental ingestion of sediment and surface water while recreating at public beaches exceeded the P5 risk benchmark only at Bossburg Flat Beach (based on 2011 sampling and 2013 reanalysis). Incidental ingestion of sediment and surface water while recreating at public beaches did not exceed the P8 risk benchmark at any public beach.

Results, including Consumption of Fish

Results for this receptor that include consumption of fish from the UCR (by species) are presented in Appendix 5. These results are similar to the results for this pathway without consumption of fish from the UCR, suggesting that fish consumption is not a major contributor to overall lead risk to recreational visitors to public beaches who swim during beach day trips to public beaches.

5.1.1.5 Child Recreational Visitor Exposed to Lead during a Boating Trip at a Public Beach from Sediment and UCR Surface Water while Swimming with and without Consumption of UCR Fish

Methodology

The exposure pathway was analyzed using the IEUBK model to assess risk from Site air, Site surface water, and a time-weighted combination of an assumed residential house soil lead concentration of 129 ppm (see Table 3-16) and public beach DU sediment for solid media exposure. The time weighting of solid intake used an assumed beach exposure of 1 day/week (adjusted from the RecUse Survey data for swimming during boating trips; SRC, 2019a). As discussed in Section 6, this adjustment is unlikely to significantly impact predicted PbB from the results of the AALM and is a health protective assumption. Because public beaches are not necessarily located close to the residence, track-in of sediment from the beach was not assumed and the MSD-dust lead concentration was derived from the assumed residential soil lead concentration (129 ppm). Incidental ingestion of surface water while swimming at a public beach during a boating trip was added as an additional intake of water (where the average Site-wide concentration of lead in disturbed surface water was multiplied by the number of hours spent swimming per day during boating trips [0.79 hours/day] from the RecUse Survey [SRC, 2019a] and volume of water consumed while swimming per hour [40 mL/hour] from EPA, 2019b). The EPC for surface water was the Site-wide disturbed surface water EPC (0.003151 µg Pb/mL). An absorption fraction of 50% was used for the additional intake of surface water while swimming. Because this volume is small and occurs during an active event, it is unlikely to impact drinking water intake so double counting of water intake is not likely to be an issue.

The results of the RecUse Survey (SRC, 2019a) for time spent recreating at public beaches (4.4 days/season) fails to meet the minima for exposure frequency and duration required by the IEUBK model (1 day/week for 13 consecutive weeks; EPA, 2003a). Rather than not assess this pathway, the HHRA assumed an exposure frequency of 13 days recreating over a 91-day exposure season. This adjustment from 4.4 exposure days/season based on the RecUse Survey (SRC, 2019a) to 13 exposure days/season to meet the IEUBK model minimal exposure requirements is more than a two-fold increase in the Site-specific exposure frequency; however, this adjustment does not significantly impact predicted blood lead concentration (see Section 6 and Appendix 15 for more information).

Because fish consumption resulted in lead intake <1 µg/day for recreational visitors during boating trips (as shown in Table 5-1), risk for this receptor was assessed both with and without consumption of fish from the UCR. Risk was calculated using lead intake from consuming fish as an alternate intake in the IEUBK model (added to the incidental ingestion of surface water while swimming intake). Because both of these exposures (lead in surface water and lead in fish) have the same absorption fraction (50%), this was easily accommodated. Lead exposure from consuming fish from the UCR was assessed by individual species, since anglers may target specific fish species. The intake was the EPC for fish multiplied by the DCR for fish from the RecUse Survey (SRC, 2019a). Because the DCR for fish is small (3.2 g fish/day) relative to all meat (which is 64.4 g/day for 1-2-year-old children, 79.9 g/day for 2-3-year-old children, and 95 g/day for 3-6-year-old children), it was not considered as a significant source of uncertainty from double counting meat intake.

Results without Fish Consumption

Table 5-8 shows the results for this exposure pathway for P3, P5, and P8. As shown, incidental ingestion of sediment and surface water during a boating trip at public beaches exceeded the P3 risk benchmark at all public beaches. Incidental ingestion of sediment and surface water during a boating trip exceeded the P5 risk benchmark only at Bossburg Flat (based on 2011 sampling and 2013 reanalysis). Incidental ingestion of sediment and surface water during a boating trip did not exceed the P8 risk benchmark at any public beach.

Results including Fish Consumption

Results for this receptor that include consumption of fish from the UCR (by species) are presented in Appendix 5. These results are similar to the results for this pathway without consumption of fish from the UCR, suggesting that fish consumption is not a major contributor to overall lead risk to recreational visitors to public beaches who swim during boating trips to public beaches.

5.1.1.6 Child Recreational Visitor Exposed to Lead during a Camping Trip at a Public Beach from Sediment and UCR Surface Water with and without Consumption of UCR Fish

Methodology

The exposure pathway was analyzed using the IEUBK model to assess risk from Site air, Site surface water, and a time-weighted combination of an assumed residential house soil lead concentration of 129 ppm (see Table 3-16) and public beach DU sediment for solid media exposure. The time weighting of solid intake used an assumed beach exposure of 1 day/week (adjusted from the RecUse Survey data for swimming during camping trips; SRC, 2019a). As discussed in Section 6, this adjustment is unlikely to significantly impact predicted PbB from the results of the AALM and is a health protective assumption. Because public beaches are not necessarily located close to the residence, track-in of sediment from the beach was not assumed and the MSD-dust lead concentration was derived from the assumed residential soil lead concentration (129 ppm). Incidental ingestion of surface water while swimming at a public beach during a camping trip was added as an additional intake of water (where the average Site-wide concentration of lead in disturbed surface water was multiplied by the number of hours spent swimming per day during camping trips [1.8 hours/day] from the RecUse Survey [SRC, 2019a] and volume of water consumed while swimming per hour [40 mL/hour] from EPA, 2019b). The EPC for surface water was the Site-wide disturbed surface water EPC (0.003151 µg Pb/mL). An absorption fraction of 50% was used for the additional intake of surface water while swimming. Because this volume is small and occurs during an active event, it is unlikely to impact drinking water intake so double counting of water intake is not likely to be an issue.

The results of the RecUse Survey (SRC, 2019a) for time spent recreating at public beaches (4.4 days/season) fails to meet the minima for exposure frequency and duration required by the IEUBK model (1 day/week for 13 consecutive weeks; EPA, 2003a). Rather than not assess this pathway, the HHRA assumed an exposure frequency of 13 days recreating over a 91-day exposure season. This adjustment from 4.4 exposure days/season based on the RecUse Survey (SRC, 2019a) to 13 exposure days/season to meet the IEUBK model minimal exposure requirements is more than a two-fold increase in the Site-specific exposure frequency; however, this adjustment does not significantly impact predicted blood lead concentration (see Section 6 and Appendix 15 for more information).

Because fish consumption resulted in lead intake <1 µg/day for recreational visitors during camping trips (as shown in Table 5-1), risk for this receptor was assessed both with and without consumption of fish from the UCR. Risk was calculated using lead intake from consuming fish as an alternate intake in the IEUBK model (added to the incidental ingestion of surface water while swimming intake). Because both of these exposures (lead in surface water and lead in fish) have the same absorption fraction (50%), this was easily accommodated. Lead exposure from consuming fish from the UCR was assessed by species, since anglers may target specific fish species. The intake was the EPC for fish multiplied by the DCR for fish from the RecUse Survey (SRC, 2019a). Because the DCR for fish is small (3.2 g fish/day) relative to all meat (which is 64.4 g/day for 1-2-year-old children, 79.9 g/day for 2-3-year-old children, and 95 g/day for 3-6-year-old children), it was not considered as a significant source of uncertainty from double counting meat intake.

Results without Fish Consumption

Table 5-8 shows the results for this exposure pathway for P3, P5, and P8. As shown, incidental ingestion of sediment and surface water while swimming during a camping trip at public beaches exceeded the P3 risk benchmark at all public beaches. Incidental ingestion of sediment and surface water while swimming at public beaches during a camping trip exceeded the P5 risk benchmark only at Bossburg Flat (based on 2011 sampling and 2013 reanalysis). Incidental ingestion of sediment and surface water while swimming at public beaches during a camping trip did not exceed the P8 risk benchmark at any public beach.

Results including Fish Consumption

Results for this receptor that include consumption of fish from the UCR (by species) are presented in Appendix 5. These results are similar to the results for this pathway without consumption of fish from the UCR, suggesting that fish consumption is not a major contributor to overall lead risk to recreational visitors to public beaches who swim during camping trips to public beaches.

5.1.1.7 Child Recreational Visitor Exposed to Lead during a Bossburg Flat Beach Day Trip from Beach Soil and Surface Water while Swimming with and without Fish Consumption

Methodology

The exposure pathway was analyzed using the IEUBK model to assess risk from Site air, Site surface water, and a time-weighted combination of an assumed residential house soil lead concentration of 129 ppm (see Table 3-16) and Bossburg Flat UDU soil for solid media exposure. The time weighting of solid intake used an assumed beach exposure of 1 day/week (adjusted from the RecUse Survey data for swimming during beach day trips; SRC, 2019a). As discussed in Section 6, this adjustment is unlikely to significantly impact predicted PbB from the results of the AALM and is a health protective assumption. Because Bossburg Flat UDUs are not necessarily located close to the residence, track-in of soil from the beach was not assumed and the MSD-dust lead concentration was derived from the assumed residential soil lead concentration (129 ppm). Incidental ingestion of surface water while swimming by beachgoers at UDUs was added as an additional intake of water (where the average Site-wide concentration of lead in disturbed surface water was multiplied by the number of hours spent swimming per day during a beach day trip [0.98 hours/day] from the RecUse Survey [SRC, 2019a] and volume of

water consumed while swimming per hour [40 mL/hour] from EPA, 2019b). The EPC for surface water was the Site-wide disturbed surface water EPC (0.003151 µg Pb/mL). An absorption fraction of 50% was used for the additional intake of surface water while swimming. Because this volume is small and occurs during an active event, it is unlikely to impact drinking water intake so double counting of water intake is not likely to be an issue.

The results of the RecUse Survey (SRC, 2019a) for time spent recreating at public beaches (4.4 days/season) fails to meet the minima for exposure frequency and duration required by the IEUBK model (1 day/week for 13 consecutive weeks; EPA, 2003a). Rather than not assess this pathway, the HHRA assumed an exposure frequency of 13 days recreating over a 91-day exposure season. This adjustment from 4.4 exposure days/season based on the RecUse Survey (SRC, 2019a) to 13 exposure days/season to meet the IEUBK model minimal exposure requirements is more than a two-fold increase in the Site-specific exposure frequency; however, this adjustment does not significantly impact predicted blood lead concentration (see Section 6 and Appendix 15 for more information).

Because fish consumption resulted in lead intake <1 µg/day for recreational visitors during beach day trips (as shown in Table 5-1), risk for this receptor was assessed both with and without consumption of fish from the UCR. Risk was calculated using lead intake from consuming fish as an alternate intake in the IEUBK model (added to the incidental ingestion of surface water while swimming intake). Because both exposures (lead in surface water and lead in fish) have the same absorption fraction (50%), this was easily accommodated. Lead exposure from consuming fish from the UCR was assessed by individual species, since anglers may target specific fish species. The intake was the EPC for fish multiplied by the DCR for fish from the RecUse Survey (SRC, 2019a). Because the DCR for fish is small (3.2 g fish/day) relative to all meat (which is 64.4 g/day for 1-2-year-old children, 79.9 g/day for 2-3-year-old children, and 95 g/day for 3-6-year-old children), it was not considered as a significant source of uncertainty from double counting meat intake.

Results without Fish Consumption

Table 5-9 shows the results for this exposure pathway for P3, P5, and P8. As shown, incidental ingestion of soil and surface water while swimming during a beach day trip to upland portions of Bossburg Flat Beach exceeded the P3 risk benchmark at all UDUs. Incidental ingestion of soil and surface water while swimming at Bossburg Flat UDUs during a beach day trip exceeded the P5 risk benchmark and the P8 risk benchmark only at UDU-04 (Figure 2-6).

Results including Fish Consumption

Results for this receptor that include consumption of fish from the UCR (by species) are presented in Appendix 5. These results are similar to the results for this pathway without consumption of fish from the UCR, suggesting that fish consumption is not a major contributor to overall lead risk to recreational visitors to public beaches who swim during beach day trips to public beaches, suggesting that fish consumption is not a major contributor to overall lead risk to recreational visitors who swim during beach day trips to Bossburg Flat UDUs.

5.1.1.8 Child Recreational Visitor Exposed to Lead during a Boating Trip at Bossburg Flat Beach from Beach Soil and UCR Surface Water while Swimming with and without Fish Consumption

Methodology

The exposure pathway was analyzed using the IEUBK model to assess risk from Site air, Site surface water, and a time-weighted combination of an assumed residential house soil lead concentration of 129 ppm (see Table 3-16) and Bossburg Flat UDU soil concentrations for solid media exposure. The time weighting of solid intake used an assumed beach exposure of 1 day/week (adjusted from the RecUse Survey data for swimming during boat trips; SRC, 2019a). As discussed in Section 6, this adjustment is unlikely to significantly impact predicted PbB from the results of the AALM and is a health protective assumption. Because Bossburg Flat UDUs are not necessarily located close to the residence, track-in of soil from the beach was not assumed and the MSD-dust lead concentration was derived from the assumed residential soil lead concentration (129 ppm). Incidental ingestion of surface water while swimming by boaters at Bossburg Flat UDUs was added as an additional intake of water (where the average Site-wide concentration of lead in disturbed surface water was multiplied by the number of hours spent swimming per day for boaters [0.79 hours/day] from the RecUse Survey [SRC, 2019a] and volume of water consumed while swimming per hour [40 mL/hour] from EPA, 2019b). The EPC for surface water was the Site-wide disturbed surface water EPC (0.003151 µg Pb/mL). An absorption fraction of 50% was used for the additional intake of surface water while swimming. Because this volume is small and occurs during an active event, it is unlikely to impact drinking water intake so double counting of water intake is not likely to be an issue.

The results of the RecUse Survey (SRC, 2019a) for time spent recreating at public beaches (4.4 days/season) fails to meet the minima for exposure frequency and duration required by the IEUBK model (1 day/week for 13 consecutive weeks; EPA, 2003a). Rather than not assess this pathway, the HHRA assumed an exposure frequency of 13 days recreating over a 91-day exposure season. This adjustment from 4.4 exposure days/season based on the RecUse Survey (SRC, 2019a) to 13 exposure days/season to meet the IEUBK model minimal exposure requirements is more than a two-fold increase in the Site-specific exposure frequency; however, this adjustment does not significantly impact predicted blood lead concentration (see Section 6 and Appendix 15 for more information).

Because fish consumption resulted in lead intake <1 µg/day for recreational visitors during boat trips (as shown in Table 5-1), risk for this receptor was assessed both with and without consumption of fish from the UCR. Risk was calculated using lead intake from consuming fish as an alternate intake in the IEUBK model (added to the incidental ingestion of surface water while swimming intake). Because both of these exposures (lead in surface water and lead in fish) have the same absorption fraction (50%), this was easily accommodated. Lead exposure from consuming fish from the UCR was assessed by individual species, since anglers may target specific fish species. The intake was the EPC for fish multiplied by the DCR for fish from the RecUse Survey (SRC, 2019a). Because the DCR for fish is small (3.2 g fish/per day) relative to all meat (which is 64.4 g/day for 1-2-year-old children, 79.9 g/day for 2-3-year-old children, and 95 g/day for 3-6-year-old children), it was not considered as a significant source of uncertainty from double counting meat intake.

Results without Fish Consumption

Table 5-9 shows the results for this exposure pathway for P3, P5, and P8. As shown, incidental ingestion of soil and surface water while swimming during a boat trip to Bossburg Flat UDUs exceeded the P3 risk benchmark at all UDUs. Incidental ingestion of soil and surface water while swimming at UDUs during a boat trip exceeded the P5 risk benchmark and the P8 risk benchmark only at UDU-04.

Results including Fish Consumption

Results for this receptor that include consumption of fish from the UCR (by species) are presented in Appendix 5. These results are similar to the results for this pathway without consumption of fish from the UCR, suggesting that fish consumption is not a major contributor to overall lead risk to recreational visitors who swim during boat trips to Bossburg Flat UDUs.

5.1.1.9 Child Recreational Visitor Exposed to Lead during a Camping Trip at Bossburg Flat Beach from Beach Soil and Surface Water While Swimming with and without Fish Consumption

Methodology

The exposure pathway was analyzed using the IEUBK model to assess risk from Site air, Site surface water, and a time-weighted combination of an assumed residential house soil lead concentration of 129 ppm (see Table 3-16) and Bossburg Flat UDU soil concentrations for solid media exposure. The time weighting of solid intake used an assumed beach exposure of 1 day/week (adjusted from the RecUse Survey data for swimming during camping trips; SRC, 2019a). As discussed in Section 6, this adjustment is unlikely to significantly impact predicted PbB from the results of the AALM and is a health protective assumption. Because Bossburg Flat UDUs are not necessarily located close to the residence, track-in of soil from the beach was not assumed and the MSD-dust lead concentration was derived from the assumed residential soil lead concentration (129 ppm). Incidental ingestion of surface water while swimming by campers at Bossburg Flat UDUs was added as an additional intake of water (where the average Site-wide concentration of lead in disturbed surface water was multiplied by the number of hours spent swimming per day during camping trips [1.8 hours/day] from the RecUse Survey [SRC, 2019a] and volume of water consumed while swimming per hour [40 mL/hour] from EPA, 2019b). The EPC for surface water was the Site-wide disturbed surface water EPC (0.003151 µg Pb/mL). An absorption fraction of 50% was used for the additional intake of surface water while swimming. Because this volume is small and occurs during an active event, it is unlikely to impact drinking water intake so double counting of water intake is not likely to be an issue.

The results of the RecUse Survey (SRC, 2019a) for time spent recreating at public beaches (4.4 days/season) fails to meet the minima for exposure frequency and duration required by the IEUBK model (1 day/week for 13 consecutive weeks; EPA, 2003a). Rather than not assess this pathway, the HHRA assumed an exposure frequency of 13 days recreating over a 91-day exposure season. This adjustment from 4.4 exposure days/season based on the RecUse Survey (SRC, 2019a) to 13 exposure days/season to meet the IEUBK model minimal exposure requirements is more than a two-fold increase in the Site-specific exposure frequency; however, this adjustment does not significantly impact predicted blood lead concentration (see Section 6 and Appendix 15 for more information).

Because fish consumption resulted in lead intake <1 µg/day for recreational visitors during camping trips (as shown in Table 5-1), risk for this receptor was assessed both with and without consumption of fish from the UCR. Risk was calculated using lead intake from consuming fish as an alternate intake in the IEUBK model (added to the incidental ingestion of surface water while swimming intake). Because both of these exposures (lead in surface water and lead in fish) have the same absorption fraction (50%), this was easily accommodated. Lead exposure from consuming fish from the UCR was assessed by individual species, since anglers may target specific fish species. The intake was the EPC for fish multiplied by the DCR for fish from the RecUse Survey (SRC, 2019a). Because the DCR for fish is small (3.2 g fish/day) relative to all meat (which is 64.4 g/day for 1-2-year-old children, 79.9 g/day for 2-3-year-old children, and 95 g/day for 3-6-year-old children), it was not considered as a significant source of uncertainty from double counting meat intake.

Results without Fish Consumption

Table 5-9 shows the results for this exposure pathway for P3, P5, and P8. As shown, incidental ingestion of soil and surface water while swimming during a camping trip to Bossburg Flat UDUs exceeded the P3 risk benchmark at all UDUs. Incidental ingestion of soil and surface water while swimming at Bossburg Flat UDUs during a camping trip exceeded the P5 risk benchmark and the P8 risk benchmark only at UDU-04.

Results including Fish Consumption

Results for this receptor that include consumption of fish from the UCR (by species) are presented in Appendix 5. These results are similar to the results for this pathway without consumption of fish from the UCR, suggesting that fish consumption is not a major contributor to overall lead risk to recreational visitors who swim during camping trips to Bossburg Flat UDUs.

5.1.1.10 Child Recreational Visitor Exposed to Lead in Soil and Surface Water by Beachgoers who Swim at Relict Floodplains along the UCR with and without Fish Consumption

Methodology

The exposure pathway was analyzed using the IEUBK model to assess risk from Site air, Site surface water, and a time-weighted combination of an assumed residential house soil lead concentration of 129 ppm (see Table 3-16) and relict floodplain soil for solid media exposure. The time weighting of solid intake used an assumed beach exposure of 1 day/week (adjusted from the RecUse Survey data for swimming during beach day trips; SRC, 2019a). As discussed in Section 6, this adjustment is unlikely to significantly impact predicted PbB from the results of the AALM and is a health protective assumption. Because relict floodplains are not necessarily located close to the residence, track-in of soil from the relict floodplain was not assumed and the MSD-dust lead concentration was derived from the assumed residential soil lead concentration (129 ppm). Incidental ingestion of surface water while swimming by beachgoers at relict floodplains was added as an additional intake of water (where the average Site-wide concentration of lead in disturbed surface water was multiplied by the number of hours spent swimming per day during beach day trips [0.98 hours/day] from the RecUse Survey [SRC, 2019a] and volume of water consumed while swimming per hour [40 mL/hour] from EPA, 2019b). The EPC for surface water was the Site-wide disturbed surface water EPC (0.003151 µg Pb/mL). An absorption fraction of 50% was used for the additional intake of surface water while

swimming. Because this volume is small and occurs during an active event, it is unlikely to impact drinking water intake so double counting of water intake is not likely to be an issue.

The results of the RecUse Survey (SRC, 2019a) for time spent recreating at public beaches (4.4 days/season) fails to meet the minima for exposure frequency and duration required by the IEUBK model (1 day/week for 13 consecutive weeks; EPA, 2003a). Rather than not assess this pathway, the HHRA assumed an exposure frequency of 13 days recreating over a 91-day exposure season. This adjustment from 4.4 exposure days/season based on the RecUse Survey (SRC, 2019a) to 13 exposure days/season to meet the IEUBK model minimal exposure requirements is more than a two-fold increase in the Site-specific exposure frequency; however, this adjustment does not significantly impact predicted blood lead concentration (see Section 6 and Appendix 15 for more information).

Because fish consumption resulted in lead intake <1 µg/day recreational visitors during beach day trips to relict floodplains (as shown in Table 5-1), risk for this receptor was assessed both with and without consumption of fish from the UCR. Risk was calculated using lead intake from consuming fish as an alternate intake in the IEUBK model (added to the incidental ingestion of surface water while swimming intake). Because both of these exposures (lead in surface water and lead in fish) have the same absorption fraction (50%), this was easily accommodated. Lead exposure from consuming fish from the UCR was assessed by individual species, since anglers may target specific fish species. The intake was the EPC for fish multiplied by the DCR for fish from the RecUse Survey (SRC, 2019a). Because the DCR for fish is small (3.2 g fish/day) relative to all meat (which is 64.4 g/day for 1-2-year-old children, 79.9 g/day for 2-3-year-old children, and 95 g/day for 3-6-year-old children), it was not considered as a significant source of uncertainty from double counting meat intake.

Results without Fish Consumption

Table 5-10 shows the results for this exposure pathway for P3, P5, and P8. As shown, incidental ingestion of soil and surface water while swimming during a beach day trip to relict floodplains exceeds the P3 risk benchmark at all relict floodplains. Incidental ingestion of soil and surface water while swimming at relict floodplains during a beach day trip did not exceed the P5 risk benchmark or the P8 risk benchmark at any of the relict floodplains.

Results including Fish Consumption

Results for this receptor that include consumption of fish from the UCR (by species) are presented in Appendix 5. These results are similar to the results for this pathway without consumption of fish from the UCR, suggesting that fish consumption is not a major contributor to overall lead risk to recreational visitors who swim during beach day trips to relict floodplains.

5.1.1.11 Child Recreational Visitor Exposed to Lead in Soil and Surface Water while Boating and Swimming at Relict Floodplains along the UCR with and without Fish Consumption

Methodology

The exposure pathway was analyzed using the IEUBK model to assess risk from Site air, Site surface water, and a time-weighted combination of an assumed residential house soil lead concentration of 129 ppm (see Table 3-16) and relict floodplain soil for solid media exposure.

The time weighting of solid intake used an assumed beach exposure of 1 day/week (adjusted from the RecUse Survey data for swimming during boat trips; SRC, 2019a). As discussed in Section 6, this adjustment is unlikely to significantly impact predicted PbB from the results of the AALM and is a health-protective assumption. Because relict floodplains are not necessarily located close to the residence, track-in of soil from relict floodplains was not assumed and the MSD-dust lead concentration was derived from the assumed residential soil lead concentration (129 ppm). Incidental ingestion of surface water while swimming by boaters at relict floodplains was added as an additional intake of water (where the average Site-wide concentration of lead in disturbed surface water was multiplied by the number of hours spent swimming per day while boating [0.79 hours/day for boaters] from the RecUse Survey [SRC, 2019a] and volume of water consumed while swimming per hour [40 mL/hour] from EPA, 2019b). The EPC for surface water was the Site-wide disturbed surface water EPC (0.003151 µg Pb/mL). An absorption fraction of 50% was used for the additional intake of surface water while swimming. Because this volume is small and occurs during an active event, it is unlikely to impact drinking water intake so double counting of water intake is not likely to be an issue.

The results of the RecUse Survey (SRC, 2019a) for time spent recreating at public beaches (4.4 days/season) fails to meet the minima for exposure frequency and duration required by the IEUBK model (1 day/week for 13 consecutive weeks; EPA, 2003a). Rather than not assess this pathway, the HHRA assumed an exposure frequency of 13 days recreating over a 91-day exposure season. This adjustment from 4.4 exposure days/season based on the RecUse Survey (SRC, 2019a) to 13 exposure days/season to meet the IEUBK model minimal exposure requirements is more than a two-fold increase in the Site-specific exposure frequency; however, this adjustment does not significantly impact predicted blood lead concentration (see Section 6 and Appendix 15 for more information).

Because fish consumption resulted in lead intake <1 µg/day for recreational visitors during boat trips to relict floodplains (as shown in Table 5-1), risk for this receptor was assessed both with and without consumption of fish from the UCR. Risk was calculated using lead intake from consuming fish as an alternate intake in the IEUBK model (added to the incidental ingestion of surface water while swimming intake). Because both exposures (lead in surface water and lead in fish) have the same absorption fraction (50%), this was easily accommodated. Lead exposure from consuming fish from the UCR was assessed by individual species, since anglers may target specific fish species. The intake was the EPC for fish multiplied by the DCR for fish from the RecUse Survey (SRC, 2019a). Because the DCR for fish is small (3.2 g fish/day) relative to all meat (which is 64.4 g/day for 1-2-year-old children, 79.9 g/day for 2-3-year-old children, and 95 g/day for 3-6-year-old children), it was not considered as a significant source of uncertainty from double counting meat intake.

Results without Fish Consumption

Table 5-10 shows the results for this exposure pathway for P3, P5, and P8. As shown, incidental ingestion of soil and surface water while swimming during a boat trip to relict floodplains exceeded the P3 risk benchmark at all relict floodplains. Incidental ingestion of sediment and surface water while swimming at relict floodplains during a boat trip did not exceed the P5 risk benchmark or the P8 risk benchmark at any of the relict floodplains.

Results including Fish Consumption

Results for this receptor that include consumption of fish from the UCR (by species) are presented in Appendix 5. These results are similar to the results for this pathway without consumption of fish from the UCR, suggesting that fish consumption is not a major contributor to overall lead risk to recreational visitors who swim during boat trips to relict floodplains.

5.1.1.12 Exposure to Lead in Soil and Surface Water by Campers who Swim at Relict Floodplains along the UCR with and without Fish Consumption

Methodology

The exposure pathway was analyzed using the IEUBK model to assess risk from Site air, Site surface water, and a time-weighted combination of an assumed residential house soil lead concentration of 129 ppm (see Table 3-16) and relict floodplain soil for solid media exposure. The time weighting of solid intake used an assumed beach exposure of 1 day/week (adjusted from the RecUse Survey data for swimming during camping trips; SRC, 2019a). As discussed in Section 6, this adjustment is unlikely to significantly impact predicted PbB from the results of the AALM and is a health protective assumption. Because relict floodplains are not necessarily located close to the residence, track-in of soil from relict floodplains was not assumed and the MSD-dust lead concentration was derived from the assumed residential soil lead concentration (129 ppm). Incidental ingestion of surface water while swimming by campers at relict floodplains was added as an additional intake of water (where the average Site-wide concentration of lead in disturbed surface water was multiplied by the number of hours spent swimming per day during camping trips [1.8 hours/day for campers] from the RecUse Survey [SRC, 2019a] and volume of water consumed while swimming per hour [40 mL/hour] from EPA, 2019b). The EPC for surface water was the Site-wide disturbed surface water EPC (0.003151 µg Pb/mL). An absorption fraction of 50% was used for the additional intake of surface water while swimming. Because this volume is small and occurs during an active event, it is unlikely to impact drinking water intake so double counting of water intake is not likely to be an issue.

The results of the RecUse Survey (SRC, 2019a) for time spent recreating at public beaches (4.4 days/season) fails to meet the minima for exposure frequency and duration required by the IEUBK model (1 day/week for 13 consecutive weeks; EPA, 2003a). Rather than not assess this pathway, the HHRA assumed an exposure frequency of 13 days recreating over a 91-day exposure season. This adjustment from 4.4 exposure days/season based on the RecUse Survey (SRC, 2019a) to 13 exposure days/season to meet the IEUBK model minimal exposure requirements is more than a two-fold increase in the Site-specific exposure frequency; however, this adjustment does not significantly impact predicted blood lead concentration (see Section 6 and Appendix 15 for more information).

Because fish consumption resulted in lead intake <1 µg/day for recreational visitors during camping trips at relict floodplains (as shown in Table 5-1), risk for this receptor was assessed both with and without consumption of fish from the UCR. Risk was calculated using lead intake from consuming fish as an alternate intake in the IEUBK model (added to the incidental ingestion of surface water while swimming intake). Because both of these exposures (lead in surface water and lead in fish) have the same absorption fraction (50%), this was easily accommodated. Lead exposure from consuming fish from the UCR was assessed by individual

species, since anglers may target specific fish species. The intake was the EPC multiplied by the DCR for fish from the RecUse Survey (SRC, 2019a). Because the DCR for fish is small (3.2 g fish/day) relative to all meat (which is 64.4 g/day for 1-2-year-old children, 79.9 g/day for 2-3-year-old children, and 95 g/day for 3-6-year-old children), it was not considered as a significant source of uncertainty from double counting meat intake.

Results without Fish Consumption

Table 5-10 shows the results for this exposure pathway for P3, P5, and P8. As shown, incidental ingestion of soil and surface water while swimming during a camping trip to relict floodplains exceeded the P3 risk benchmark at all relict floodplains. Incidental ingestion of soil and surface water while swimming at relict floodplains during a camping trip did not exceed the P5 risk benchmark or the P8 risk benchmark at any of the relict floodplains.

Results including Fish Consumption

Results for this receptor that include consumption of fish from the UCR (by species) are presented in Appendix 5. These results are similar to the results for this pathway without consumption of fish from the UCR, suggesting that fish consumption is not a major contributor to overall lead risk to recreational visitors who swim during camping trips to relict floodplains.

5.1.1.13 Exposure to Lead from Inhalation of Outdoor Air

As discussed in the footnote to Table 3-30, the concentration of lead in UCR air (CH2MHill, 2015) is an order of magnitude lower than the default air lead concentration in the IEUBK model and is not likely to influence the results. Additionally, EPA evaluated air lead concentration data measured at the Sheep Creek monitoring station near Northport. EPA has analyzed numerous studies that compared air lead concentration to PbBs in children.[78] The analysis indicates that the air-associated exposure from inhalation or ingestion of lead in house dust and surface soil can lead to a PbB that is 5 to 10 times the value in air. Based on air results at the Sheep Creek monitoring station during the 1999-2009 monitoring period, the lead concentration is 0.0242 µg/m^3 in air. This could lead to a 0.12 to 0.24 µg/dL level of lead in blood, which is low risk (EPA, 2018b). The EPC value used in this HHRA, for lead in air measured at Sheep Creek from 2002-2009, was 0.023 µg/m^3 (Table 3-30).

For lead, the air concentration from the Sheep Creek monitoring is well below the levels expected to pose significant human health risks based on current understanding of relationships between air lead concentrations and PbBs resulting from direct and indirect exposures to air lead (Appendix 8). As such, risk from lead in air was included in the risk calculations as an input to the IEUBK model for all evaluations; however, this pathway was not evaluated as a separate exposure for lead.

5.1.2 ALM Analyses for Adult Exposure Scenarios

Methodology: Adult Outdoor Worker Exposure to Lead in Subsurface Sediment and Soil at Public Beaches and Bossburg Flat Beach UDUs

The ALM was used for all analyses involving lead exposure where adults (and not children) contact contaminated media (EPA, 1996d). At the UCR Site, the only exposure pathway that is

[78] Integrated Science Assessment (ISA) for Lead (https://www.epa.gov/isa/integrated-science-assessment-isa-lead); April 2017.

exclusive to adults is outdoor worker contact with exposure to deep sediment or beach soil (0-45 cm) during beach maintenance activities (i.e., digging holes, trenches, footings, etc.). All other outdoor workers are protected by assuming child exposure (children are the more sensitive receptor, so site decisions based on child exposure are protective for adults). The exposure frequency was assumed to be 219 days/year, which is from the ALM guidance (EPA, 1996d) and is equivalent to 54 days out of 90 days if the work were to occur during the summer months. The default variable values in the ALM (EPA, 1996d; updated to include NHANES information [EPA, 2017d] as shown on the TRW Lead Committee website[79]) were used to assess this exposure.

Results: Adult Outdoor Worker Exposure to Lead in Subsurface Sediment and Soil at Public Beaches and Bossburg Flat Beach UDUs

Table 5-11 shows the average RBA-adjusted lead concentration in sediment samples from 0 to 45 cm and the P3, P5, and P8 results for adults. As shown, incidental ingestion of deep sediment or soil by adult outdoor workers exceeded the P3 risk benchmark at only three exposure areas: F-01, UDU-01, and UDU-04, all located at Bossburg Flat Beach. Incidental ingestion of deep sediment by adult outdoor workers exceeded the P5 risk benchmark and the P8 risk benchmark at none of the public beaches or UDUs. Additional details of the ALM results are shown in Appendix 16.

5.2 Non-Lead COPCs

5.2.1 Non-Cancer Approach

Risk of non-cancer effects is evaluated by comparing the estimated exposure concentration over a specified time period to a toxicity reference value (threshold) that represents the exposure below which it is unlikely for sensitive populations to experience adverse health effects (EPA, 1989). This ratio of exposure to toxicity is called an HQ. To assess the overall potential for non-cancer effects posed by more than one chemical, or if exposure to a COPC occurs by more than one route, HQs are summed to yield a Hazard Index (HI). This approach assumes that simultaneous subthreshold exposures to several chemicals could result in an adverse health effect. It also assumes that the magnitude of the adverse effect is proportional to the sum of the ratios of the subthreshold exposures to acceptable exposures. Within an exposure pathway (e.g., incidental ingestion of soil), HQs were summed across COPCs to derive an HI. HQs were also summed across pathways (e.g., incidental ingestion of and dermal contact with soil) to derive an HI.

Non-cancer hazards were assessed against risk benchmarks. Risk benchmarks are risk levels that EPA uses to distinguish risks that are a potential concern from risks that are below the level of concern. The benchmark for non-cancer hazards used in this assessment was an HQ >1. If the HQ for a chemical is ≤1, there is no appreciable risk (e.g., the probability is close to zero that non-cancer health effects will occur). If an HQ is >1, then there is some possibility that an adverse non-cancer effect may occur (e.g., the probability is >0, but is likely not close to 1). This is because of the margin of safety inherent in the derivation of all toxicity values (see Section 4.3). However, the larger the HQ value, the more likely it is that an adverse effect may occur.

[79] See https://www.epa.gov/superfund/lead-superfund-sites-software-and-users-manuals#update.

When an HI is calculated, the risk benchmark is also HI >1. The HI can exceed one even if no single chemical exposure exceeds its RfD/RfC (EPA, 1989). This is likely to overestimate actual exposures.

The assumption of dose additivity in the HI approach is most relevant to chemicals that induce the same effect by the same mode of action. If an HI is >1 as a consequence of summing several HQs, then the chemicals can be segregated by effect and mode of action, and an HI can be calculated for each target organ group which is often more informative than simply summing across all non-cancer endpoints (EPA, 1989). Target organs were assigned to each COPC as shown in Tables 4-2 and 4-3, based on data in EPA (2019a). Target organ group HI calculation results are discussed below for receptors with HI >1.

In this assessment, the following terminology was used to categorize non-cancer hazard based on the HQ or HI. Risks were considered to be below non-cancer hazard benchmarks used by CERCLA if the HQ or HI ≤1; if the HQ or HI >1, there was a possibility that non-cancer health effects may occur (EPA, 1989, 1997; EPA and Clay, 1991). If an HI summed across COPCs within a pathway or summed across pathways was >1, target organ HIs were calculated. In this HHRA, calculated HQs and HIs were presented with one significant digit. The following are examples of how calculated results were reported as one significant digit and then compared to the non-cancer benchmark of 1:

- Calculated result of 0.92 was reported as 0.9 – it does not exceed benchmark
- Calculated result of 0.96 was reported as 1 – it does not exceed benchmark
- Calculated result of 1.3 was reported as 1 – it does not exceed benchmark
- Calculated result of 1.5 was reported as 2 – it exceeds benchmark

Non-cancer HQs for each chemical were calculated as described below.

Ingestion Exposures

For most chemicals, the potential for non-cancer effects following ingestion exposure is evaluated by comparing the estimated daily intake of the chemical over a specific period with the RfD for that chemical derived for a similar exposure period, as follows (EPA, 1989):

$$HQ = DI / RfD$$

where:

DI = Daily intake (mg/kg-day)
RfD = Reference dose (mg/kg-day)

Dermal Exposures

For most chemicals, the potential for non-cancer effects following dermal exposure is evaluated by comparing the estimated absorbed dose of the chemical over a specific time period with the RfD for that chemical derived for a similar exposure period, as follows (EPA, 1989):

$$HQ = DAD / RfD_{abs}$$

where:

DAD = Dermally-absorbed dose (mg/kg-day)
RfD_{abs} = Absorbed reference dose (mg/kg-day)
$RfD_{abs} = RfD \cdot ABS_{GI}$ (gastrointestinal absorption fraction)

The ABS_{GI} term is unitless, chemical-specific, and is applied to the available oral toxicity values to account for the absorption efficiency of an administered dose across the GI tract and into the bloodstream.

Inhalation Exposures

For inhalation exposures, the potential for non-cancer effects is evaluated by comparing the time-weighted EC over a specific time period to the RfC for that chemical, as follows (EPA, 1994d):

$$HQ = EC / RfC$$

where:

EC = Exposure concentration ($\mu g/m^3$)
RfC = Reference concentration ($\mu g/m^3$)

5.2.2 Cancer Approach

The excess risk of cancer from exposure to a chemical is described in terms of the increased probability of developing cancer. Cancer risks are summed across all carcinogenic chemicals and all exposure pathways that contribute to exposure for a given population. If there is exposure to the same chemical in more than one medium, the total risk from that chemical is the sum of the risks across each medium. If exposure is to more than one chemical, the total cancer risk is estimated by summing the chemical-specific risks across all carcinogenic chemicals.

In general, EPA considers excess cancer risks below 10^{-6} to be negligible, and risks above 10^{-4} to warrant action.[80] Excess cancer risks that range between 10^{-6} and 10^{-4} are generally considered to be acceptable (EPA, 1989; EPA and Clay, 1991), although this is evaluated on a case-by-case basis. In this assessment, the following terminology was used to categorize cancer risks. Excess cancer risks that are $\leq 10^{-4}$ are within an acceptable range and risks above 10^{-4} are unacceptable (National Contingency Plan [NCP], 1990). As recommended in Exhibits 8-2 and 8-3 of EPA's *Risk Assessment Guidance for Superfund Volume I Human Health Evaluation Manual, Part A* (EPA, 1989), calculated cancer risks retained more than one significant figure and are presented in summary tables shown to one significant figure.

Cancer risks for each chemical were calculated as described below.

[80] Note that excess cancer risk can be expressed in several formats. A cancer risk of 10^{-6} is equivalent to 1 in 1,000,000 and can be expressed in scientific notation format as 1E-06. Similarly, a cancer risk of 10^{-4} is equivalent to 1 in 10,000 or 1E-04. For the purposes of this document, all cancer risks are presented as 10^{-4}, 10^{-6}, etc.

Ingestion Exposures

The excess risk of cancer from ingestion exposure to a chemical is calculated as follows (EPA, 1989):

$$\text{Excess Cancer Risk} = 1 - \exp(-DI_L \cdot SF)$$

where:

DI_L = Daily Intake, averaged over a lifetime (mg/kg-day)
SF = Slope Factor $(\text{mg/kg-day})^{-1}$

In most cases (except when the product of $DI_L \cdot SF$ is larger than about 0.01), this equation may be approximated by the following:

$$\text{Excess Cancer Risk} = DI_L \cdot SF$$

Dermal Exposures

The excess risk of cancer from dermal exposure to a chemical is calculated as follows (EPA, 2004b):

$$\text{Excess Cancer Risk} = DAD_L \cdot SF_{ABS}$$

where:

DAD_L = Dermally-Absorbed Dose, averaged over a lifetime (mg/kg-day)
SF_{ABS} = Absorbed Slope Factor $(\text{mg/kg-day})^{-1}$
$SF_{ABS} = SF/ABS_{GI}$

Inhalation Exposures

The excess risk of cancer from inhalation exposure for COPCs is calculated based on IUR values as follows (EPA, 2009a):

$$\text{Excess Cancer Risk} = EC \cdot IUR$$

where:

EC = Exposure concentration $(\mu g/m^3)$
IUR = Inhalation Unit Risk $(\mu g/m^3)^{-1}$

5.2.2.1 Evaluation of PCB Mixtures

Because PCBs can cause cancer through both dioxin-like and non-dioxin-like modes of action, it is important to consider the contribution from both when estimating the total risk. In accordance with EPA guidance (EPA, 1996a, 2000), cancer risk from ingestion of dioxin-like PCB congeners was evaluated based on a TEQ approach (see Section 4.5.2 above) using the dioxin SF of 1.3E+05 $(\text{mg/kg-day})^{-1}$. Cancer risk from non-dioxin-like PCB congeners was evaluated based

on the high risk and persistence PCB upper-bound SF of 2.0 $(mg/kg\text{-}day)^{-1}$ (see Table 5-12). Dose estimates for non-dioxin-like PCBs were calculated two ways: 1) as the sum of detected non-dioxin-like PCB congener concentrations, and 2) as the sum of detected Aroclor concentrations.[81] The larger of the two values was used when summing to derive HIs across pathways.

5.2.3 Non-Cancer Hazard Summary

The results of the non-cancer evaluation of COPCs other than lead are summarized below for each exposure pathway described in Section 3.1.3.

5.2.3.1 Surface Soil/Indoor Dust: Current Residential Exposure to Non-Lead COPCs

The current adult and child resident population was assumed to be exposed to outdoor soil (via incidental ingestion and dermal contact) and indoor dust (via incidental ingestion) at all DUs sampled in the 2014 and 2016 residential soil studies (except residential beaches, tribal allotments [which are evaluated in Appendix 1], driplines, and a DU from 2016 that was identified as a former ore mill or stockpiling area[82]). An additional twenty-one residential DUs are beach DUs that were sampled on residential properties. Non-cancer hazards from exposure to non-lead COPCs in surface soil/indoor dust were evaluated separately for "non-beach" and "beach" DUs. Each is described separately below.

Incidental Ingestion of Residential Soil and Indoor Dust at Non-Beach DUs

For the current adult resident population evaluated using default exposure parameters at 588 residential non-beach DUs, all total soil/dust ingestion non-cancer hazards (summed across COPCs for each DU) were below one under both the RME and CTE scenarios (Tables 5-13 and 5-14). Total soil/dust ingestion non-cancer hazards for child residents (summed across COPCs) were >1 at 287 DUs under the RME scenario, 91 of which are currently house DUs and 10 of which are currently play area DUs. Under the CTE scenario, soil/dust ingestion non-cancer hazards for children (summed across COPCs) did not exceed 1 at any residential DU. Under RME exposure assumptions for children, the individual HQ for thallium was >1 for children at one house DU. No COPCs had individual HQs >1 using CTE exposure assumptions.

Dermal Contact with Residential Soil at Non-Beach DUs

Current residents were assumed to be exposed to non-lead COPCs in soil via dermal exposure at all DUs sampled in the 2014 and 2016 residential soil studies (except residential beaches, tribal allotments, driplines, and DU 172-O1). For all receptors (adults and children), the total non-cancer hazard from dermal contact with soil under both RME and CTE scenarios did not exceed 1 (Tables 5-13 and 5-14).

[81] Ideally, Aroclor concentrations would be adjusted to exclude the dioxin-like PCB congeners (these congeners are evaluated based on a TEQ approach). However, if PCB congener data are not available, this adjustment cannot be performed.

[82] The field notes taken during the 2016 reconnaissance for the DU identified as a former small ore mill or ore stockpiling site (DU 172-O1) note that it is a flat, open area with a fire pit used for camping and for target practice. The property owner was not present during reconnaissance and no interview with the owner was conducted, though ECY conducted follow-up visual field inspection (Roland, 2019). As a result, there may be other sources of contamination besides those listed here. Because non-Site related COPCs associated with debris from target practice (broken clay pigeons, shotgun shells) and remains of the ore stockpiles may affect the risk estimates for this DU, the analytical results from this DU were not included in the risk assessment.

Total Exposure to Residential Soil at Non-Beach DUs

When exposure to non-lead COPCs in residential soil for current residential use was summed across pathways (incidental ingestion of soil/dust and dermal contact with soil), total non-cancer HIs >1 at 315 DUs and ranged from 0.8 to 5 for current child residents at the RME, not considering target organ effects. Total non-cancer HIs did not exceed 1 for current child residents at the CTE and did not exceed 1 for adult residents at the RME and CTE (Tables 5-13 and 5-14). Chemicals that contributed the most to risk included arsenic, cobalt, iron, manganese, and thallium. Because HIs were >1 for total exposure to residential soil/dust (via ingestion and dermal contact) for current child residents, HIs calculated for each target organ group are presented in Tables 5-15 through 5-23 for the RME scenario and Tables 5-24 through 5-32 for the CTE scenario. One house DU under RME exposure assumptions exceeded an HI of 1 when aggregated by target organ group (skin/hair/nails target organ system; Figure 5-8) for soil and dust ingestion. For current child residents evaluated under CTE exposure assumptions, no target organ HIs >1. Based on an HI being >1 when evaluated by target organ system at the RME, there is potential for non-cancer health effects to children from non-lead COPCs through the total exposure to surface soil and indoor dust pathway.

Incidental Ingestion of Residential Soil and Indoor Dust Associated with Beach DUs

For the current adult resident population evaluated using default exposure parameters for residential soil/indoor dust paired with 21 residential beach DUs, all total soil/dust ingestion non-cancer hazards (summed across COPCs for each DU) did not exceed 1 under both the RME and CTE scenarios (Tables 5-33 and 5-34). Total soil/dust ingestion non-cancer hazards for child residents (summed across COPCs) were >1 at 11 residential beach DUs under the RME scenario, not considering target organ effects. Under the CTE scenario, soil/dust ingestion non-cancer hazards for children (summed across COPCs) did not exceed 1 at all paired residential beach DUs. No COPCs had individual HQs >1 using either RME or CTE exposure assumptions.

Dermal Contact with Residential Soil Associated with Beach DUs

Current residents were assumed to be exposed to non-lead COPCs in soil via dermal exposure for residential soil paired with 21 residential beach DUs sampled in the 2014 and 2016 residential soil studies. For all receptors (adults and children), the total non-cancer hazard from dermal contact with soil under both RME and CTE scenarios did not exceed 1 (Tables 5-33 and 5-34).

Total Exposure to Residential Soil Associated with Beach DUs

When exposure to non-lead COPCs in residential soil paired with residential beach DUs was summed across pathways (incidental ingestion of soil/dust and dermal contact with soil), total non-cancer HIs >1 at 13 residential beach DUs for current child residents (ranged from 1 to 2 at the RME and 0.3 to 0.7 at the CTE), not considering target organ effects, and did not exceed 1 for adult residents at the RME and CTE (Tables 5-33 and 5-34). When HIs were aggregated by target organ system, no residential soil paired with beach DUs had HIs >1 for either adults or children under RME and CTE exposure scenarios (Tables 5-33 and 5-34). Based on the target organ HI not exceeding 1, risks of non-cancer health effects from exposure to non-lead COPCs through this pathway were below non-cancer risk benchmarks used by CERCLA (EPA, 1989; EPA and Clay, 1991; EPA, 1997).

5.2.3.2 Surface Soil/Indoor Dust: Potential Future Residential Exposure to Non-Lead COPCs

Incidental Ingestion of Upland Soil

The potential future resident population was assumed to be exposed to non-lead COPCs in outdoor soil and indoor dust via incidental ingestion at all 142 ADAs sampled in the 2014 Upland Soil Study. Houses were not observed on ADAs during sampling, though ADAs could potentially be developed for residential use in the future. For potential future adult residents evaluated using default exposure parameters, all total soil ingestion non-cancer hazards (summed across COPCs for each ADA) were below one under both the RME and CTE scenarios for incidental soil ingestion (Tables 5-35 and 5-36). Total soil ingestion non-cancer hazards for potential future child residents (summed across COPCs) were >1 for 133 of 142 ADAs under the RME scenario and did not exceed 1 at all ADAs under the CTE scenario, not considering target organ effects. Individual HQs did not exceed 1 for any COPC under the RME or CTE exposure scenario.

Dermal Contact with Upland Soil

Potential future residents were assumed to be exposed to non-lead COPCs in soil via dermal exposure to soil at all ADAs sampled in the 2014 Upland Soil Study. For all receptors (adults and children), the total non-cancer hazard from dermal contact with soil under both RME and CTE scenarios did not exceed 1 (Tables 5-35 and 5-36).

Total Exposure to Upland Soil

When exposure to non-lead COPCs in upland soil for potential future residential use was summed across pathways (incidental ingestion of soil/dust and dermal contact with soil), total non-cancer HIs for future child residents were >1 at 136 ADAs (HIs ranged from 1 to 4 at the RME, and 0.4 to 1 at the CTE) (Tables 5-35 and 5-36), not considering target organ effects. Because HIs were >1 for total exposure to upland soil/dust (via ingestion and dermal contact) for potential future child residents at the RME, HIs calculated for each target organ group are presented in Tables 5-37 through 5-45 for the RME scenario and Tables 5-46 through 5-54 for the CTE scenario. When HIs were aggregated by target organ system, 2 ADAs had HIs >1 for the skin/hair/nails system for the potential future child population under RME assumptions (Figure 5-9). Under the CTE scenario for the potential future child population, no target organ systems had HIs >1. No HIs were >1 by target organ system for the potential future adult population under either the RME or CTE exposure scenarios (Tables 5-37 through 5-54). Chemicals that contributed the most to risk included thallium, manganese, cobalt, arsenic, and iron. Based on HIs being >1 when evaluated by target organ system at the RME, there is potential for non-cancer health effects to children from non-lead COPCs through the total exposure to surface soil and indoor dust pathway.

5.2.3.3 Residential Beach Sediment: Current Residential Exposure to Non-Lead COPCs

During the 2014 and 2016 residential soil studies, 21 DUs were sampled on beaches on residential properties that are not tribal allotments. The current adult and child residential population owning property with beach DUs was assumed to be exposed to non-lead COPCs in sediment via incidental ingestion and dermal contact. Total non-cancer HIs did not exceed 1 for adults and children for both incidental ingestion and dermal contact of beach sediment (summed across COPCs) under both RME and CTE scenarios (Tables 5-55 and 5-56). Summed across pathways (incidental ingestion plus dermal contact with sediment), total non-cancer HIs did not

exceed 1 for adults and children (summed across COPCs) under both RME and CTE scenarios (Tables 5-55 and 5-56). No target organ HIs were >1 for either adult or child population under RME or CTE scenarios. Based on the HI not exceeding 1, risks of non-cancer health effects from exposure to non-lead COPCs through this pathway were below non-cancer risk benchmarks used by CERCLA (EPA, 1989; EPA and Clay, 1991; EPA, 1997).

5.2.3.4 Surface Sediment at Public Beaches along the UCR: Occupational and Recreational Exposure to Non-Lead COPCs

The recreational visitor and outdoor worker populations were assumed to be exposed to non-lead COPCs in surface sediment via incidental ingestion and dermal contact at each of the 33 public beaches sampled along the UCR. Bossburg Flat and Evans Campground beaches were sampled in 2011 and 2015. The SDUs sampled at these beaches in 2015 were evaluated as separate exposure areas, so a total of 43 public beach exposure areas were evaluated in this section.

Outdoor Workers: Total Exposure to Public Beach Surface Sediment

For the adult outdoor worker population, the HIs (summed across COPCs) for both incidental ingestion of and dermal contact with surface sediment did not exceed 1 at any public beach for both the RME and CTE exposure scenarios (Tables 5-57 and 5-58). When exposure to surface sediment on public beaches was summed across pathways (incidental ingestion and dermal contact), total non-cancer HIs did not exceed 1 for both RME and CTE scenarios for the adult outdoor worker. This was also true when HIs were aggregated by target organ system (Tables 5-57 and 5-58). Based on the HI not exceeding 1, risks of non-cancer health effects from exposure to non-lead COPCs through these pathways were below non-cancer risk benchmarks used by CERCLA (EPA, 1989; EPA and Clay, 1991; EPA, 1997).

Recreational Visitors: Total Exposure to Public Beach Surface Sediment

For the adult and child recreational visitor population (on beach day trips to public beaches, boating trips near public beaches, or camping trips near public beaches), the HIs (summed across COPCs) for incidental ingestion of and dermal contact with surface sediment did not exceed 1 at any public beach for adults and children for both the RME and CTE exposure scenarios (Tables 5-59 and 5-60). When exposure to surface sediment on public beaches was summed across pathways (incidental ingestion and dermal contact), total non-cancer HIs did not exceed 1 for either RME or CTE scenarios for the adult and child recreational beach visitor, boater, or camper. This was also true when HIs were aggregated by target organ system (Tables 5-59 and 5-60). Based on the HI not exceeding 1, risks of non-cancer health effects from exposure to non-lead COPCs through these pathways were below non-cancer risk benchmarks used by CERCLA (EPA, 1989; EPA and Clay, 1991; EPA, 1997).

5.2.3.5 Surface Soil at Relict Floodplains along the UCR: Recreational Visitor Exposure to Non-Lead COPCs

As part of the 2014 Upland Soil study, 16 RFDAs were sampled on 4 relict floodplains. The recreational visitor population was assumed to be exposed to non-lead COPCs in surface soil at 16 RFDAs along the UCR while on day trips to the beach, on boating trips, or on camping trips. For both adults and children, the HIs (summed across COPCs) for incidental ingestion of and dermal contact with surface soil did not exceed 1 at any RFDA for the RME or CTE exposure scenarios (Tables 5-61 and 5-62). When exposure to surface soil on RFDAs was summed across

pathways (incidental ingestion and dermal contact), total non-cancer HIs did not exceed 1 for either the RME or CTE scenario for the adult and child recreational visitor. This was also true when HIs are aggregated by target organ system (Tables 5-30 and 5-31). Based on the HI not exceeding 1, risks of non-cancer health effects from exposure to non-lead COPCs through these pathways were below non-cancer risk benchmarks used by CERCLA (EPA, 1989; EPA and Clay, 1991; EPA, 1997).

5.2.3.6 Surface Soil near Bossburg Flat Beach: Occupational and Recreational Exposure to Non-Lead COPCs

The outdoor worker and recreational visitor populations were assumed to be exposed to non-lead COPCs in surface soil near Bossburg Flat Beach via incidental ingestion and dermal contact at each UDU sampled in 2015.

Outdoor Workers: Total Exposure to Bossburg Flat Beach Surface Soil

For the adult outdoor worker population, the HIs (summed across COPCs) for incidental ingestion of and dermal contact with surface soil did not exceed 1 at any Bossburg Flat UDU for both the RME and CTE exposure scenarios (Tables 5-63 and 5-64). When exposure to surface soil on UDUs was summed across pathways (incidental ingestion and dermal contact), total non-cancer HIs did not exceed 1 for both RME and CTE scenarios for the adult outdoor worker. This was also true when HIs are aggregated by target organ system (Tables 5-63 and 5-64). Based on the HI not exceeding 1, risks of non-cancer health effects from exposure to non-lead COPCs through these pathways were below non-cancer risk benchmarks used by CERCLA (EPA, 1989; EPA and Clay, 1991; EPA, 1997).

Recreational Visitors: Total Exposure to Bossburg Flat Beach Surface Soil

For the adult and child recreational visitor population on beach day, boating, or camping trips to Bossburg Flat Beach UDUs, the HIs (summed across COPCs) for incidental ingestion of and dermal contact with surface soil did not exceed 1 at any UDU for adults and children for both the RME and CTE exposure scenarios (Tables 5-65 and 5-66). When exposure to surface soil on UDUs was summed across pathways (incidental ingestion and dermal contact), total non-cancer HIs did not exceed 1 for both RME and CTE scenarios for the adult and child recreational visitor. This was also true when HIs were aggregated by target organ system (Tables 5-65 and 5-66). Based on the HI not exceeding 1, risks of non-cancer health effects from exposure to non-lead COPCs through these pathways were below non-cancer risk benchmarks used by CERCLA (EPA, 1989; EPA and Clay, 1991; EPA, 1997).

5.2.3.7 Subsurface Sediment and Soil at Public Beaches along the UCR: Occupational Exposure to Non-Lead COPCs

Subsurface sediment was collected at Bossburg Flat and Evans Campground beaches (SDUs and former cable ferry landing sample F-01), as described in Section 2.6.2.4. Subsurface soil was also collected at Bossburg Flat Beach UDUs, as described in Section 2.6.2.4. The outdoor worker population was assumed to be exposed to non-lead COPCs in subsurface sediment and soil via incidental ingestion and dermal contact during excavation activities at public beaches along the UCR. All HIs (summed across COPCs) did not exceed 1 for receptors exposed to subsurface sediment and soil via incidental ingestion under both RME and CTE scenarios (Tables 5-67 through 5-70). All HIs for the dermal contact scenario (summed across COPCs) did

not exceed 1 for receptors exposed to subsurface sediment and soil under both RME and CTE scenarios (Tables 5-67 through 5-70). When exposure to subsurface sediment and soil at public beaches was summed across pathways (incidental ingestion and dermal contact), total non-cancer HIs did not exceed 1 for adult outdoor workers under RME and CTE scenarios. This was also true when HIs are aggregated by target organ system (Tables 5-67 through 5-70). Risks of non-cancer health effects from exposure to non-lead COPCs through this pathway were below non-cancer risk benchmarks used by CERCLA (EPA, 1989; EPA and Clay, 1991; EPA, 1997).

5.2.3.8 Public Beach Near-shore UCR Surface Water: Residential, Occupational, and Recreational Exposure to Non-Lead COPCs

The resident owning beach property, outdoor worker, and recreational visitor populations were assumed to be exposed to non-lead COPCs in UCR surface water via incidental ingestion and dermal contact while swimming, participating in water-related activities, or working. Non-cancer hazards for each receptor due to surface water exposure are detailed below.

Resident with a Beach: Total Exposure to UCR Surface Water

For adult and child residents with beaches, all HIs (summed across COPCs) did not exceed 1 due to both incidental ingestion of and dermal contact with UCR surface water under RME and CTE exposure scenarios (Tables 5-71 and 5-72). When exposure to UCR surface water was summed across pathways (incidental ingestion and dermal contact), total non-cancer HIs did not exceed 1 for child and adult residents recreating on their own beaches under both CTE and RME scenarios. This was also true when HIs were aggregated by target organ system (Tables 5-71 and 5-72). Risks of non-cancer health effects from exposure to non-lead COPCs through this pathway were below non-cancer risk benchmarks used by CERCLA (EPA, 1989; EPA and Clay, 1991; EPA, 1997).

Outdoor Worker: Total Exposure to UCR Surface Water

For the adult outdoor worker population, all HIs (summed across COPCs) did not exceed 1 due to both incidental ingestion of and dermal contact with UCR surface water under RME and CTE exposure scenarios (Tables 5-73 and 5-74). When exposure to UCR surface water was summed across pathways (incidental ingestion and dermal contact), total non-cancer HIs did not exceed 1 for the adult outdoor worker population under both CTE and RME scenarios. This was also true when HIs were aggregated by target organ system (Tables 5-73 and 5-74). Risks of non-cancer health effects from exposure to non-lead COPCs through this pathway were below non-cancer risk benchmarks used by CERCLA (EPA, 1989; EPA and Clay, 1991; EPA, 1997).

Recreational Visitors: Total Exposure to UCR Surface Water

For adult and child recreational visitors taking day trips to UCR beaches, boat trips, or camping trips, all HIs (summed across COPCs) did not exceed 1 due to both incidental ingestion of and dermal contact with UCR surface water under RME and CTE exposure scenarios (Tables 5-75 and 5-76). When exposure to UCR surface water was summed across pathways (incidental ingestion and dermal contact), total non-cancer HIs did not exceed 1 for adult and child recreational visitors under both CTE and RME scenarios. This was also true when HIs are aggregated by target organ system (Tables 5-75 and 5-76). Risks of non-cancer health effects from exposure to non-lead COPCs through this pathway were below non-cancer risk benchmarks used by CERCLA (EPA, 1989; EPA and Clay, 1991; EPA, 1997).

5.2.3.9 Outdoor Air: Exposure to Non-Lead COPCs

Current and potential future residents, outdoor workers, and recreational visitors were assumed to be exposed to non-lead COPCs (arsenic and cadmium) in outdoor air in the vicinity of the UCR. For all receptors (adults and children), total non-cancer HIs did not exceed 1 (summed across COPCs) under both RME and CTE scenarios (Tables 5-77 through 5-79). This was also true when HIs were aggregated by target organ system. Based on the HI not exceeding 1, risks of non-cancer health effects from exposure to non-lead COPCs through this pathway were below non-cancer hazard benchmarks used by CERCLA (EPA, 1989, 1997; EPA and Clay, 1991).

Additionally, EPA evaluated the air results from the 1999-2009 Sheep Creek air monitoring. The evaluation for exposure to cadmium and arsenic is discussed in Section 5.2.4.1. For zinc, which was not identified as a COPC for this HHRA, the air concentration from the Sheep Creek monitoring is well below all RBSLs (EPA, 2018b; Appendix 8).

5.2.3.10 Indoor Air: Exposure to Non-Lead COPCs

Current and potential future residents live in the vicinity of the Site and are therefore exposed to non-lead COPCs in air inside their homes. For both adult and child residents (with and without beaches), total non-cancer HIs did not exceed 1 (summed across COPCs) under both RME and CTE scenarios (Table 5-80). This was also true when HIs were aggregated by target organ system. Based on the HI not exceeding 1, risks of non-cancer health effects from exposure to non-lead COPCs through this pathway were below non-cancer hazard benchmarks used by CERCLA (EPA, 1989, 1997; EPA and Clay, 1991).

5.2.3.11 UCR Fish Consumption: Exposure to Non-Lead COPCs

The residential (with and without a beach) and recreational visitor populations were assumed to be exposed to non-lead COPCs in fish caught from the UCR and consumed. Residents with and without beaches and recreational visitors were evaluated for consumption of individual fish species, as anglers may target specific fish species. Non-cancer hazards are presented separately below for these two populations.

Residential (With and Without Beach) Exposure to Non-Lead COPCs from Consumption of Fish Harvested from the UCR

The resident population (with and without residential beaches) was evaluated for exposure to each individual fish species sampled as described in Section 2.6.4.1. Non-cancer and target organ hazards for the adult and child resident population are shown in Tables 5-81 through 5-89 for the RME exposure scenario and Tables 5-90 through 5-98 for the CTE exposure scenario. When HQs were summed across COPCs, the HI for the adult resident population did not exceed 1 for consumption of northern pike and sturgeon under RME and CTE exposure assumptions. The HI was >1 under RME exposure assumptions for consumption of burbot, kokanee, rainbow trout, smallmouth bass, sucker, walleye, and whitefish (Tables 5-81 through 5-89). Using the CTE fish consumption rate, adult HIs did not exceed 1 (Tables 5-90 through 5-98). No individual COPCs had HQs >1 for the adult resident population under RME or CTE exposure assumptions. When HIs were aggregated by target organ under RME or CTE assumptions, no target organ HIs >1 for the current adult resident population.

For the child resident population, when HQs were summed across COPCs, HIs using RME exposure assumptions were >1 for all fish species evaluated (Tables 5-81 through 5-89). Individual COPC child RME HQs that exceeded 1 were:

- Methylmercury: burbot, smallmouth bass, sucker, and walleye
- Thallium: kokanee, rainbow trout, smallmouth bass, walleye, and whitefish
- TEQ (dioxins/furans plus dioxin-like PCBs): sucker and whitefish

Using the RME fish consumption rate for child residents, no target organ HIs were >1 for northern pike or sturgeon. In the other species evaluated, at least one of the following target organ systems had HIs>1: developmental, nervous, reproductive, and/or skin/hair/nails systems (Tables 5-81 through 5-89).

Using CTE exposure assumptions (Tables 5-90 through 5-98), HIs for the child resident population (summed across COPCs) were not >1 for burbot, kokanee, northern pike, rainbow trout, sturgeon, and whitefish. HIs for consumption of smallmouth bass, sucker, and walleye were >1 under CTE assumptions for the child resident population. No individual COPCs had HQs >1 for the child resident population under CTE exposure assumptions. When HIs were aggregated by target organ system for the child resident population, using the CTE fish consumption rate, there were no target organ HIs >1 for any fish species.

COPCs that contributed the most to risk based on consumption of UCR fish included methylmercury, thallium, and TEQ. Based on target organ HIs being >1, there was potential for non-cancer health effects from exposure to non-lead COPCs for the residential child population consuming fish from the UCR (with and without residential beaches).

Recreational Exposure to Non-Lead COPCs from Consumption of Fish from the UCR

The recreational visitor population was evaluated for exposure to each individual fish species sampled as described in Section 2.6.4.1. When HQs were summed across COPCs, the adult HI did not exceed 1 for northern pike and sturgeon using the RME fish consumption rate. The adult HI was >1 using the RME fish consumption rate for burbot, kokanee, rainbow trout, smallmouth bass, sucker, walleye, and whitefish (Tables 5-99 through 5-107). No individual COPCs had HQs >1 under the RME or CTE scenarios for the adult recreational visitor. Using the CTE fish consumption rate, HIs for the adult recreational visitor population did not exceed 1 (Tables 5-108 through 5-116).

For the child recreational visitor population, when HQs were summed across COPCs, HIs using RME exposure assumptions were >1 for all fish species evaluated (Tables 5-99 through 5-107). Individual COPC child RME HQs that exceeded 1 were:

- Methylmercury: burbot, smallmouth bass, sucker, and walleye
- Thallium: kokanee, rainbow trout, smallmouth bass, walleye, and whitefish
- TEQ (dioxins/furans plus dioxin-like PCBs): sucker and whitefish

Using CTE exposure assumptions (Tables 5-106 through 5-116), the HI for the child recreational visitor population (summed across COPCs) was >1 for walleye. No individual COPCs had HQs >1 for the child recreational visitor under the CTE scenario.

Using the RME fish consumption rate, no target organ HIs were >1 for the adult recreational visitor population for any fish species (Tables 5-99 through 5-107). For children, using the RME fish consumption rate, no target organ HI was >1 for northern pike or sturgeon. For other fish species, at least one of the following target organ systems had HI >1: developmental, nervous, reproductive, and/or skin/hair/nails systems (Tables 5-99 through 5-107). When HIs were aggregated by target organ system, no target organ HIs >1 for the child and adult recreational visitor using the CTE fish consumption rate (Tables 5-106 through 5-116).

Chemicals that contributed the most to risk based on consumption of UCR fish by recreational visitors were methylmercury, thallium, and TEQ. Based on target organ HIs being >1, there is potential for non-cancer health effects from exposure of child recreational visitors to non-lead COPCs through this pathway.

5.2.4 Cancer Summary

In the assessment described below, cancer risks that were $\leq 10^{-4}$ were considered to be within an acceptable range and risks above 10^{-4} were categorized as unacceptable (NCP, 1990). Total excess cancer risks for each COPC, receptor, and exposure pathway are described separately by exposure pathway below.

5.2.4.1 Surface Soil/Indoor Dust: Current Residential Exposure to Non-Lead COPCs

Because arsenic is the only non-lead COPC in residential soil that has both a slope factor and a dermal absorption fraction, cancer risk from exposure to soil is solely attributable to arsenic. Cancer risk from exposure to non-lead COPCs in surface soil/indoor dust was evaluated separately for "non-beach" and "beach" residential DUs. Each is described separately below.

Exposure to Residential Soil and Indoor Dust at Non-Beach DUs

Current residents were evaluated for exposure to arsenic in residential soil and dust via incidental ingestion under both RME and CTE exposure scenarios. Total excess cancer risks from soil/dust ingestion were below 10^{-4} (Tables 5-13 and 5-14) for both children and adults, as well as summed across a lifetime. Total excess cancer risks from dermal contact with soil were also below 10^{-4} (Tables 5-13 and 5-14) for both children and adults and summed across a lifetime.[83] When exposure to non-lead COPCs in residential soil for current residential use was summed across pathways (incidental ingestion of soil/dust and dermal contact with soil), total excess cancer risks were below 10^{-4} (Tables 5-13 and 5-14) for both children and adults at the RME and CTE. These risks were within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

Exposure to Residential Soil and Indoor Dust Paired with Beach DUs

[83] Note that the EPC of 52.8 mg/kg for arsenic in Tables 5-13 and 5-14 is not RBA-adjusted because the exposure route is dermal. Additionally, the 95UCL was higher than the maximum concentration.

For the current resident population evaluated for exposure to arsenic in residential soil and dust paired with 21 residential beach DUs via incidental ingestion under both RME and CTE exposure scenarios, total excess cancer risks from soil/dust ingestion were below 10^{-4} (Tables 5-33 and 5-34) for both children and adults, as well as summed across a lifetime. Total excess cancer risks from dermal contact with soil were also below 10^{-4} (Tables 5-33 and 5-34) for both children and adults and summed across a lifetime. When exposure to non-lead COPCs in residential soil for current residential use was summed across pathways (incidental ingestion of soil/dust and dermal contact with soil), total excess cancer risks were below 10^{-4} (Tables 5-33 and 5-34) for both children and adults at the RME and CTE. These risks were within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

5.2.4.2 Surface Soil/Indoor Dust: Potential Future Residential Exposure to Non-Lead COPCs

Potential future residents where houses may be built were evaluated for exposure to arsenic in upland soil via incidental ingestion for receptors exposed under both RME and CTE scenarios. Total excess cancer risks from soil and dust ingestion were below 10^{-4} (Tables 5-35 and 5-36) for both children and adults and summed across a lifetime. Potential future residents were also evaluated for exposure to arsenic in upland soil via dermal contact with soil for receptors exposed under both RME and CTE scenarios. Total excess cancer risks from dermal contact with soil were also below 10^{-4} (Tables 5-35 and 5-36) for both children and adults and summed across a lifetime. When exposure to non-lead COPCs in upland soil that may be utilized for future residential use was summed across pathways (incidental ingestion of soil/dust and dermal contact with soil), total excess cancer risks were below 10^{-4} (Tables 5-35 and 5-36) for both children and adults and summed across a lifetime. These risks were within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

5.2.4.3 Residential Beach Sediment: Current Residential Exposure to Non-Lead COPCs

During the 2014 and 2016 residential soil studies, 21 DUs were sampled on beaches on residential properties that are not tribal allotments. The resident population assumed to be recreating on residential beach DUs on their property was evaluated for exposure to non-lead COPCs in sediment via incidental ingestion for adult and child receptors exposed under both CTE and RME scenarios. Total excess cancer risks (summed across COPCs for each residential beach DU) due to incidental ingestion of sediment were below 10^{-4} for adults, children, and summed across a lifetime (Tables 5-55 and 5-56). Current adult and child residents were also evaluated for exposure to non-lead COPCs in sediment via dermal exposure for adults and children exposed under both CTE and RME scenarios. Total excess cancer risks (summed across COPCs for each residential beach DU) for dermal contact with sediment were below 10^{-4} (Tables 5-55 and 5-56) for both children and adults and summed across a lifetime. When exposure to sediment on residential beaches was summed across pathways (incidental ingestion and dermal contact), total cancer risk was below 10^{-4} for adult and child residents and summed across a lifetime at both the RME and the CTE.

5.2.4.4 Surface Sediment at Public Beaches along the UCR: Occupational and Recreational Exposure to Non-Lead COPCs

The outdoor worker and recreational visitor populations were assumed to be exposed to non-lead COPCs in surface sediment via incidental ingestion and dermal contact at each of the 33 public beaches sampled along the UCR. Bossburg Flat and Evans Campground beaches were sampled

in 2011 and 2015. The SDUs sampled at these beaches in 2015 were evaluated as separate exposure areas, so a total of 43 public beach exposure areas were evaluated in this section.

Outdoor Workers: Total Exposure to Public Beach Surface Sediment

For the adult outdoor worker population exposed to non-lead COPCs in public beach surface sediment, total excess cancer risks for both incidental ingestion and dermal contact were below 10^{-4} under both RME and CTE exposure scenarios. When exposure to surface sediment on public beaches was summed across pathways (incidental ingestion and dermal contact; Tables 5-57 and 5-58), total cancer risk was below 10^{-4} for the adult outdoor worker population under the RME and CTE scenarios. These risks were within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

Recreational Visitors: Total Exposure to Public Beach Surface Sediment

For the adult and child recreational visitor population (and summed across a lifetime) on beach day trips, boating trips, or camping trips to public beaches, the total excess cancer risks for both incidental ingestion and dermal contact were below 10^{-4} under both RME and CTE exposure scenarios (Tables 5-59 and 5-60). When exposure to surface sediment on public beaches was summed across pathways (incidental ingestion and dermal contact), total cancer risk was below 10^{-4} for the adult and child recreational visitor (as well as summed across a lifetime) under the RME and CTE scenarios (Tables 5-59 and 5-60). These risks were within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

5.2.4.5 Surface Soil at Relict Floodplains along the UCR: Recreational Exposure to Non-Lead COPCs

As part of the 2014 Upland Soil study, 16 RFDAs were sampled on four relict floodplains. The recreational visitor population was assumed to be exposed to non-lead COPCs in surface soil at 16 RFDAs along the UCR while on day trips to the beach, boating trips, or camping trips. For both adults and children (and summed across a lifetime), the total excess cancer risks for both incidental ingestion and dermal contact were below 10^{-4} under both RME and CTE exposure scenarios (Tables 5-61 and 5-62). When exposure to surface soil on relict floodplains is summed across pathways (incidental ingestion and dermal contact), total cancer risk was below 10^{-4} for the adult and child recreational visitor (as well as summed across a lifetime) under the RME and CTE scenarios (Tables 5-61 and 5-62). These risks were within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

5.2.4.6 Surface Soil at Bossburg Flat Beach: Occupational and Recreational Exposure to Non-Lead COPCs

The outdoor worker and recreational visitor populations were assumed to be exposed to non-lead COPCs in surface soil near Bossburg Flat Beach via incidental ingestion and dermal contact at each UDU sampled in 2015.

Outdoor Workers: Total Exposure to Bossburg Flat Beach Surface Soil

For the adult outdoor worker population exposed to non-lead COPCs in public beach surface soil at UDUs, total excess cancer risks for both incidental ingestion and dermal contact were below 10^{-4} under both RME and CTE exposure scenarios at each UDU (Tables 5-63 and 5-64). When exposure to surface soil at Bossburg Flat Beach UDUs was summed across pathways (incidental

ingestion and dermal contact), total cancer risk was below 10^{-4} for the adult outdoor worker population under the RME and CTE scenarios (Tables 5-63 and 5-64). These risks were within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

Recreational Visitors: Total Exposure to Bossburg Flat Beach Surface Soil

For the adult and child recreational visitor population (and summed across a lifetime) on beach day, boating, or camping trips to Bossburg Flat Beach UDUs, the total excess cancer risks for both incidental ingestion and dermal contact were below 10^{-4} under both RME and CTE exposure scenarios (Tables 5-65 and 5-66). When exposure to surface soil on Bossburg Flat Beach UDUs was summed across pathways (incidental ingestion and dermal contact), total cancer risk was below 10^{-4} for the adult and child recreational visitor (as well as summed across a lifetime) under the RME and CTE scenarios (Tables 5-65 and 5-66). These risks were within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

5.2.4.7 Subsurface Sediment and Soil at Public Beaches along the UCR: Occupational Exposure to Non-Lead COPCs

Subsurface sediment was collected at Bossburg Flat and Evans Campground beach SDUs and former cable ferry landing location F-01, as described in Section 2.6.2.4. Subsurface soil was also collected at Bossburg Flat Beach UDUs, as described in Section 2.6.2.4. The outdoor worker population was assumed to be exposed to non-lead COPCs in subsurface sediment and soil via incidental ingestion and dermal contact during excavation activities at public beaches along the UCR. Total excess cancer risks at each of the SDUs and UDUs for this receptor population exposed at both the RME and CTE, for both incidental ingestion and dermal contact with subsurface sediment or soil, were below 10^{-4} (Tables 5-67 through 5-70). When exposure to subsurface sediment or soil was summed across pathways (incidental ingestion and dermal contact), total cancer risk was below 10^{-4} for adult outdoor workers under both RME and CTE conditions (Tables 5-67 through 5-70). These risks were within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

5.2.4.8 Public Beach Near-shore UCR Surface Water: Residential, Occupational, and Recreational Exposure to Non-Lead COPCs

The resident owning beach property, outdoor worker, and recreational visitor populations were assumed to be exposed to non-lead COPCs in UCR surface water via incidental ingestion and dermal contact while swimming, participating in water-related activities, or working. Cancer risks for each receptor population due to UCR surface water exposure are detailed below.

Resident with a Beach: Total Exposure to UCR Surface Water

For adult and child residents with beaches on their property, total excess cancer risks summed across a lifetime, evaluated under RME and CTE scenarios, were below 10^{-4} both for incidental ingestion and dermal contact with surface water (Tables 5-71 and 5-72). When exposure to UCR surface water was summed across pathways (incidental ingestion and dermal contact), total cancer risk was below 10^{-4} for adult and child residents owning beach property summed across a lifetime at both the RME and CTE (Tables 5-71 and 5-72). These risks were within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

Outdoor Worker: Total Exposure to UCR Surface Water

For the adult outdoor worker, total excess cancer risks, evaluated under RME and CTE scenarios, were below 10^{-4} both for incidental ingestion and dermal contact with surface water (Tables 5-73 and 5-74). When exposure to UCR surface water was summed across pathways (incidental ingestion and dermal contact), total cancer risk was below 10^{-4} for the adult outdoor worker population at both the RME and CTE. These risks were within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

Recreational Visitors: Total Exposure to UCR Surface Water

For adult and child recreational visitors taking beach day trips, boating trips, or camping trips to UCR beaches, total excess cancer risks summed across a lifetime, evaluated under RME and CTE scenarios, were below 10^{-4} both for incidental ingestion and dermal contact with surface water (Tables 5-75 and 5-76). When exposure to UCR surface water was summed across pathways (incidental ingestion and dermal contact), total cancer risk was below 10^{-4} for adult and child recreational visitors summed across a lifetime at both the RME and CTE (Tables 5-75 and 5-76). These risks were within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

5.2.4.9 Outdoor Air Exposure to Non-Lead COPCs

Current and potential future resident, outdoor worker, and recreational visitor populations were assumed to be exposed to non-lead COPCs in outdoor air via inhalation. Total excess cancer risks for each receptor population, evaluated for receptors under RME and CTE scenarios, were below 10^{-4} (Tables 5-77 through 5-79). These risks were within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

Additionally, EPA evaluated the air results from the 1999-2009 Sheep Creek air monitoring. For arsenic, the measured air concentration corresponds to a cancer risk of 2×10^{-5} (an increased risk of cancer of two in one hundred thousand for a lifetime of exposure). For comparison, this is the same level of risk from naturally occurring arsenic in soil. For cadmium, the measured air concentration corresponds to a cancer risk of 2×10^{-6} (an increased risk of cancer of two in one million for a lifetime of exposure; EPA, 2018b; Appendix 8).

5.2.4.10 Indoor Air Exposure to Non-Lead COPCs

As described previously, current and potential future residents live in the vicinity of the Site and are exposed to non-lead COPCs in air inside their homes. These populations were assumed to be exposed to non-lead COPCs in indoor air via inhalation. Indoor air COPC concentrations were assumed to be equal to outdoor air COPC concentrations. Total excess cancer risks for these receptor populations, evaluated under RME and CTE scenarios, were below 10^{-4} (Table 5-80). These risks were within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

5.2.4.11 Exposure to Non-Lead COPCs from Consumption of Fish from the UCR

The residential (with and without a beach) and recreational visitor populations were assumed to be exposed to non-lead COPCs in fish caught from the UCR and consumed. Residents with and without beaches and recreational visitors were evaluated for consumption of individual fish species since anglers may target specific fish species. Cancer risks are presented separately below for these two populations.

Residential (Beach and Non-beach) Exposure to Non-Lead COPCs from Consumption of Fish from the UCR

For residents with and without beaches on their property, total excess cancer risks for adults, children, and summed across a lifetime were below 10^{-4} under RME and CTE scenarios for the consumption of fish (Tables 5-81 through 5-98). These risks were within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

Recreational Exposure to Non-Lead COPCs from Consumption of Fish from the UCR

The recreational visitor population was evaluated for exposure to individual fish species sampled as described in Section 2.6.4.1. Total excess cancer risks for adults, children, and summed across a lifetime were below 10^{-4} under both RME and CTE scenarios for the consumption of fish (Tables 5-99 through 5-116). These risks were within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

5.2.5 Non-Lead COPC Risks by Receptor

The discussion above described calculated risk to receptors from exposure to a particular environmental medium, across exposure pathways relevant for that medium. An individual residing at, working at, or visiting the UCR Site may be exposed to COPCs in multiple environmental media on-Site through several exposure pathways, as described in the CSM developed for this Site (Figure 3-1). The total exposure to various chemicals will equal the sum of the exposures from all exposure pathways.

To assess the overall potential for non-carcinogenic effects posed by several exposure pathways, the HIs for each exposure pathway evaluated for that receptor population are summed. For multiple exposure pathways, the total HI can be >1 even if no single exposure pathway HI exceeds one. If an HI is >1 as a consequence of summing several HQs, the COPCs can be segregated by effect and mode of action, and an HI can be calculated for each target organ group (EPA, 1989). HIs summed across exposure pathways and aggregated by target organ group are discussed below for each receptor population.

Cancer risks from various exposure pathways are also assumed to be additive, as long as less-than lifetime exposures have all been converted to equivalent lifetime exposures. Total exposure cancer risk is equal to the sum of cancer risk for each exposure pathway evaluated for a receptor population.

5.2.5.1 Risks to Current Residents from DUs that are Not Beaches

The exposure pathways evaluated for current residents from DUs that are not beaches were:

- inhalation of outdoor air,
- inhalation of indoor air,
- dermal contact with outdoor soil and incidental ingestion of outdoor soil and indoor dust, and
- consumption of fish caught from the UCR evaluated by species.

Risks were evaluated on a DU-by-DU basis for each of the 588 residential DUs sampled in 2014 and 2016 except beaches, tribal allotments, driplines, or the DU that was potentially a previous ore stockpile.

Non-cancer HIs aggregated by target organ system for the current adult and child resident population, both summed across COPCs by exposure pathway, and summed across pathways, are shown in Tables 5-15 through 5-32 for the RME and CTE scenarios. For the RME scenario, inhalation of outdoor and indoor air did not result in exceedances of target organ HIs for the child or adult (Tables 5-15 through 5-23). Target organ HIs for outdoor air were 0.03 and 0.05 for the nervous system for the resident child and adult, respectively, and 0.01 and 0.02 for the urinary system for the resident child and adult, respectively. Target organ HIs for indoor air were 0.3 for the nervous system and 0.2 for the urinary system for both children and adults. Incidental ingestion of outdoor soil and indoor dust, plus dermal contact with outdoor soil, did not result in any target organ HIs above the benchmark of 1 for adults for the RME scenario. For children, the soil/dust pathway resulted in target organ HI >1 for the skin/hair/nails system at one house DU at the RME (HI = 2; Tables 5-15 through 5-23).

For consumption of fish at the RME, no target organ HIs exceeded 1 for adults for any fish species evaluated. No target organ HIs exceeded 1 for children due to consumption of northern pike or sturgeon at the RME. Consumption of fish under RME exposure assumptions resulted in target organ HIs >1 for children for the following species and target organ systems:

- Consumption of burbot: developmental and nervous systems (Table 5-15)
- Consumption of kokanee (Table 5-16) and rainbow trout (Table 5-18): skin/hair/nails target organ system
- Consumption of smallmouth bass and walleye: developmental, nervous, and skin/hair/nails systems (Tables 5-19 and 5-22, respectively)
- Consumption of sucker: developmental, nervous, and reproductive target organ system (Table 5-21)
- Consumption of whitefish: reproductive and skin/hair/nails systems (Table 5-23)

When these four exposure pathways were summed together under the RME scenario for the current adult resident population, no DUs had non-cancer target organ HIs >1 when the fish consumed was burbot, kokanee, northern pike, rainbow trout, smallmouth bass, sturgeon, or whitefish (Tables 5-15 through 5-20 and Table 5-23). All 588 DUs had non-cancer target organ HIs >1 for the nervous system for adults when the fish consumed was sucker (Table 5-21), and one house DU had a target organ HI >1 for the skin/hair/nails system for adults who were assumed to consume walleye (Table 5-22; Figure 5-10). For children, when the exposure pathways were summed together for the RME scenario, at least some DUs had non-cancer target organ HIs >1 for each fish species consumed (Tables 5-15 through 5-23; Figures 5-11 through 5-16). Target organ systems exceeding non-cancer benchmarks for children due to fish consumption included the cardiovascular, developmental, endocrine, nervous, reproductive, and skin/hair/nails systems.

For the CTE scenario, no exposure pathways by themselves had target organ HIs >1 for adults or children (Tables 5-24 through 5-32). When the four exposure pathways were summed, there were no target organ HIs >1 for adults. For children, there were no target organ HIs >1 when the fish species consumed was burbot, northern pike, rainbow trout, smallmouth bass, sturgeon, sucker, or whitefish. There were target organ HIs >1 at one house DU for the skin/hair/nails system when the fish consumed was kokanee (Table 5-25) or walleye (Table 5-31) (Figure 5-17).

Based on some target organ HIs being >1, risks of non-cancer health effects from exposure to non-lead COPCs for the adult and child current resident receptor population exceeded the acceptable risk range (NCP, 1990).

Cancer risk for the current resident population, summed across COPCs by exposure pathway and summed across pathways, is shown in Tables 5-117 through 5-125 for the RME and CTE scenarios. For the RME scenario, inhalation of outdoor and indoor air, consumption of individual fish species, and/or incidental ingestion of outdoor soil and indoor dust plus dermal contact with outdoor soil, did not result in exceedances of cancer risk benchmarks by themselves. This was also true for the CTE scenario. When the four exposure pathways were summed, no TWA cancer risk benchmarks were exceeded at the RME or CTE.

5.2.5.2 Risks to Current Residents with Beach DUs

The exposure pathways evaluated for current residents with beach DUs were:

- inhalation of outdoor air,
- inhalation of indoor air,
- dermal contact with outdoor soil and incidental ingestion of outdoor soil and indoor dust,
- dermal contact with and incidental ingestion of surface sediment,
- dermal contact with and incidental ingestion of UCR surface water, and
- consumption of fish caught from the UCR evaluated by species.

Risks were evaluated on a DU-by-DU basis for each of the 21 residential beach DUs sampled in 2014 and 2016 excluding one tribal allotment beach.

Non-cancer HIs aggregated by target organ system for the current adult and child resident-with-beach population, both summed across COPCs by exposure pathway and summed across pathways, are shown in Tables 5-126 through 5-167 for each residential beach, for the RME and CTE scenarios. For the RME scenario, no exposure pathways resulted in target organ HIs >1 for adults. The only exposure pathways with target organ HIs >1 for children under the RME scenario were consumption of individual fish species other than northern pike and sturgeon. For the child RME scenario, consumption of burbot, kokanee, rainbow trout, smallmouth bass, sucker, walleye, and whitefish had target organ HIs >1 for the developmental, nervous, reproductive, and/or skin/hair/nails systems (HIs ranged from 2 to 4 depending on the species).

When all exposure pathways were summed using RME exposure assumptions, target organ HIs were >1 for the adult at each residential beach for the nervous system when sucker was the fish species consumed (Tables 5-126 through 5-146). For children, when all exposure pathways were summed using RME exposure assumptions, target organ HIs were >1 at each residential beach for the developmental, nervous, reproductive, and/or skin/hair/nails systems, depending on the fish species consumed. For the CTE scenario, none of the exposure pathways evaluated had target organ HIs >1 by themselves for adults or children regardless of the fish species consumed (Tables 5-147 through 5-167). When exposure pathways were summed, no target organ HIs were >1 for adults or children at any residential beach.

Based on some target organ HIs being >1, risks of non-cancer health effects from exposure to non-lead COPCs for this receptor population exceeded the acceptable risk range (NCP, 1990).

Cancer risks for the current resident-with-beach population, summed across COPCs by exposure pathway and summed across pathways, are shown in Tables 5-126 through 5-167 for the RME and CTE scenarios. For the RME and CTE scenarios, no exposure pathways evaluated for the resident-with-beach population exceeded a TWA cancer risk of 10^{-4} either separately or when they are summed across pathways.

5.2.5.3 Risks to Potential Future Residents

Risks were evaluated for the adult and child potential future resident population on an ADA-by-ADA basis for each of the 142 upland ADAs sampled in 2014. The exposure pathways evaluated for future residents were:

- Inhalation of outdoor air,
- Inhalation of indoor air,
- Dermal contact with upland soil and incidental ingestion of upland soil and indoor dust, and
- Consumption of fish caught from the UCR evaluated by species.

Non-cancer HIs aggregated by target organ system for the potential future adult and child resident population, both summed across COPCs by exposure pathway and summed across pathways, are shown in Tables 5-37 and 5-54 for the RME and CTE scenarios. For the RME scenario, inhalation of outdoor air and inhalation of indoor air do not result in exceedances of target organ HIs for the adult or child. Incidental ingestion of outdoor soil and indoor dust plus dermal contact with outdoor soil did not result in any target organ HI exceedances for adults. For children, the soil/dust exposure pathway resulted in target organ HIs >1 for the skin/hair/nails systems at 2 ADAs (HIs = 2).

No target organ HIs exceeded 1 for adults due to consumption of any fish species evaluated for the RME scenario. No target organ HIs exceeded 1 for children due to consumption of northern pike or sturgeon at the RME. Consumption of burbot under the RME scenario resulted in target organ HIs >1 for the developmental and nervous systems in children (Table 5-37). Consumption of kokanee (Table 5-38) and rainbow trout (Table 5-40) by children resulted in the skin/hair/nails target organ system HI >1. Consumption of smallmouth bass and walleye resulted in target organ

HIs >1 for the developmental, nervous, and skin/hair/nails systems in children (Tables 5-41 and 5-44, respectively). Sucker consumption by children (Table 5-43) resulted in developmental, nervous, and reproductive target organ system HIs >1. Consumption of whitefish (Table 5-45) resulted in target organ HIs >1 for the reproductive and skin/hair/nails systems for children under the RME scenario.

When these four exposure pathways were summed together for the RME scenario, the target organ HI for adults was >1 for the nervous system at all 142 ADAs when the fish species consumed was sucker (Table 5-43). For children, at least some ADAs had non-cancer target organ HIs >1 for each fish species consumed (Tables 5-37 through 5-45; Figures 5-18 through 5-21). Target organ systems exceeding non-cancer benchmarks for children due to fish consumption included the developmental, nervous, reproductive, and skin/hair/nails systems.

For the CTE scenario, no exposure pathways by themselves had target organ HIs >1 for adults or children (Tables 5-46 through 5-54). When the four exposure pathways were summed, no target organ HIs were >1 for adults. For children, two ADAs had target organ HIs >1 for the nervous system when sucker was the fish species consumed (Table 5-52), and one ADA had a target organ HI >1 for the skin/hair/nails system when walleye was the fish species consumed (Table 5-53) (Figure 5-22).

Based on some target organ HIs being >1, risks of non-cancer health effects from exposure to non-lead COPCs for this receptor population exceeded the acceptable risk range (NCP, 1990).

Cancer risks for the potential future resident population, summed across COPCs by exposure pathway and summed across pathways, are shown in Tables 5-168 through 5-176 for the RME and CTE scenarios. For the RME scenario, none of the four exposure pathways evaluated exceeded cancer risk benchmarks by themselves, or summed across a lifetime, either for adults or children (Table 5-133). This was also true for the CTE scenario. When the four exposure pathways were summed, no TWA cancer risk benchmarks were exceeded at the RME or CTE.

5.2.5.4 Risks to Outdoor Workers

The exposure pathways evaluated for the outdoor worker population were:

- Inhalation of outdoor air,
- Incidental ingestion of and dermal contact with surface water,
- Incidental ingestion of and dermal contact with surface sediment or soil at public beaches, and
- Incidental ingestion of and dermal contact with subsurface sediment or soil at public beaches.

Non-cancer HIs aggregated by target organ system for the adult outdoor worker population, both summed across COPCs by exposure pathway and summed across pathways, are shown in Tables 5-177 and 5-178 for the RME and CTE scenarios, respectively. Using both RME and CTE exposure assumptions, none of the exposure pathways, either alone or summed together, had target organ HIs that exceed the benchmark of one. The same is true of cancer risks: whether

evaluated by exposure pathway or summed across exposure pathways, estimated adult cancer risks were all $<10^{-4}$. These risks were below non-cancer hazard benchmarks and within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

5.2.5.5 Risks to Recreational Visitors

The adult and child recreational visitor population was evaluated for exposure to non-lead COPCs via the following exposure pathways:

- Consumption of fish caught from the UCR evaluated by species,
- Inhalation of outdoor air on beach trips, boating trips, and camping trips,
- Incidental ingestion of and dermal contact with surface water on beach trips, boating trips, and camping trips,
- Incidental ingestion of and dermal contact with public beach surface sediment or soil, or relict floodplain surface soil, on beach day trips, boating trips, and camping trips.

Risks were evaluated on a beach-by-beach, SDU-by-SDU, RFDA-by-RFDA, or UDU-by-UDU basis.

Non-cancer HIs aggregated by target organ system for the adult and child recreational visitor, both summed across COPCs by exposure pathway and summed across pathways, are shown in Tables 5-179 through 5-308 for each individual public beach, SDU, RFDA, and UDU for the RME and CTE scenarios. For the RME scenario, no individual exposure pathways for adults had target organ HIs >1. For children under the RME scenario, the only exposure pathway with target organ HIs >1 was consumption of fish (for most of the individual fish species evaluated). For the child RME scenario, consumption of each fish species evaluated except northern pike and sturgeon has at least one of the following target organ HIs >1: developmental (HIs ranged from 2 to 3), nervous (HIs ranged from 2 to 3), reproductive (HIs = 2), and/or skin/hair/nails systems (HIs ranged from 2 to 4).

When all exposure pathways were summed using RME exposure assumptions, no target organ HIs were >1 for the adult recreational visitor at any public beach, SDU, relict floodplain, or UDU (regardless of trip type) (Tables 5-179 through 5-243). For children, when all exposure pathways were summed using RME exposure assumptions, no target organ HIs >1 at any public beach, SDU, relict floodplain, or UDU (regardless of trip type) when the fish species consumed was northern pike or sturgeon. Depending on the remaining fish species consumed, target organ HIs were >1 at each public beach, SDU, relict floodplain, or UDU (regardless of trip type) for the developmental, nervous, reproductive, and/or skin/hair/nails systems for child recreational visitors under RME exposure assumptions (HIs ranged from 2 to 4).

For the CTE scenario, none of the exposure pathways evaluated had target organ HIs >1 by themselves for adults or children at any public beach, SDU, RFDA, or UDU, regardless of trip type (Tables 5-244 through 5-308). When exposure pathways were summed, no target organ HIs were >1 for adults or children.

Based on some target organ HIs being >1, risks of non-cancer health effects from exposure to non-lead COPCs for the recreational visitor receptor population exceeded the acceptable risk range (NCP, 1990).

Cancer risk for the recreational visitor population, summed across COPCs by exposure pathway and summed across pathways, are shown in Tables 5-179 through 5-308 for the RME and CTE scenarios. Under both RME and CTE exposure assumptions, no exposure pathways evaluated for any of the trip types exceeded a TWA cancer risk of 10^{-4} either separately or when they are summed across pathways for any public beach, SDU, relict floodplain, or UDU.

6 UNCERTAINTY ANALYSIS

This section discusses and, where possible, estimates the direction and magnitude of uncertainty associated with potentially influential parameters used to estimate risk.

Risk estimates reported in this HHRA are derived from combining exposure and toxicity estimates for non-cancer and cancer effects. Uncertainty is usually accounted for in risk estimates by making health-protective assumptions in estimating the parameters used in risk calculations. Health-protective assumptions result in risk estimates that err on the side of overestimating actual exposures and risk. These assumptions can take various forms, depending on the specific parameter. Examples include UFs in dose-response relationships that are part of the process for using chemical-specific toxicity studies to derive toxicity values (RfCs, RfDs, and cancer slope factors),[84] UCLs on estimates of mean exposure concentrations measured in environmental media, and upper percentile estimates of exposure factors that are used to estimate RMEs for receptor populations. The toxicity estimates for arsenic and lead are notable exceptions and are discussed below.

As described by EPA (2014c; see Section 4.3), areas of uncertainty that may make an appreciable difference in the risk assessment results or conclusions are appropriate topics for an uncertainty discussion. Influential parameters that contribute to exposure estimates that exceed risk benchmarks are a particularly important focus for uncertainty discussion because consideration of uncertainty in these parameters can inform risk management decisions. Influential parameters are those that have the largest effect on the risk estimate when varied across a plausible range, as determined by Site-specific information that informs that range of possible values.

Uncertainties can be categorized as follows:

1. Uncertainties that can be quantified
2. Uncertainties that cannot be quantified, but the direction of the effect of the uncertainty can be determined: as an underestimation or an overestimation of risk
3. Uncertainties that cannot be quantified and the direction of the effect of the uncertainty is also unknown

An example of the first category is the uncertainty associated with chemical exposure concentrations at the Site. The uncertainties in the concentrations can be quantified as confidence limits on the mean exposure concentration. For fish, numerous species and individuals were collected and analyzed. Each sample consisted of between five and eight individual fish. Sample sizes ranged from 19 to 51 depending on the species and analyte; Table 3-29) resulted in a robust estimate of the EPC for COPCs in fish tissue. For soil, uncertainties in the exposure concentrations are very low because many DUs and ADAs were sampled in triplicate, with 30 soil increments collected per sample, and with very similar results between the replicates.

[84] For more information see https://www.epa.gov/iris/basic-information-about-integrated-risk-information-system.

An example of the second category of uncertainty is estimation of risk-based concentrations or toxicity values (e.g., oral SF, RfD, RfC, IUR) used to calculate HQs or cancer risks. There are varying degrees of uncertainty associated with toxicity values. Uncertainties in toxicity values can arise from the following sources:

- Extrapolation from animal studies to humans
- Extrapolation from high dose to low dose
- Extrapolation from continuous exposure to intermittent exposure
- Limited or inconsistent toxicity studies

These sources of uncertainty are accounted for in the derivation of toxicity values by applying UFs that decrease the toxicity value, even though it is likely that the uncertainty range includes higher values. This approach results in downward bias of the toxicity value and, as a result, uncertainties in toxicity values will contribute to overestimation rather than an underestimation of risk.

Two notable exceptions in this HHRA include arsenic and lead. Toxicity values for arsenic are based on a substantial body of epidemiology studies of human populations. Arsenic has been the subject of multiple EPA toxicity evaluations but has not been revised since 1989. Although lead lacks a toxicity value, it has no safe level of exposure (NTP, 2012). Rather than assessing lead risk from a toxicity value (e.g., a not-to-exceed lead intake rate), lead risks in young children are estimated from application of the IEUBK Model for Lead in Children, which predicts a distribution of PbBs for a population of children for user-defined Site-specific exposures and bioavailability. This approach eliminates the need for some of the health protective assumptions built into toxicity values for other chemicals.

An example of the third category of uncertainty is exposure to chemicals for which there are no toxicity values. For these chemicals, we cannot determine whether they contribute to risk at the measured exposure levels. The uncertainty associated with chemicals that lack toxicity values cannot be quantified and the direction of the effect of the uncertainty is unknown. These chemicals, which were detected in media at the Site but not analyzed as COPCs because of the lack of toxicity values, included acenaphthylene, alpha-benzenehexachloride, benzo(e)pyrene, benzo(g,h,i)perylene, bismuth, 4-bromophenol-phenylether, carbazole, cerium, cesium, 4-chlorophenyl-phenyl ether, delta-BHC, 1,3-dichlorobenzene, 1,4-dichlorobenzene, dimethyl phthalate, dysprosium, endosulfan I, endosulfan II, endosulfan sulfate, endrin aldehyde, endrin ketone, europium, fluoride, gadolinium, gallium, gamma-chlordane, germanium, gold, hexachlorobutadiene, indium, lanthanum, lutetium, neodymium, 3-nitroaniline, 2-nitrophenol, 4-nitrophenol, cis-nonachlor, trans-nonachlor, oxychlordane, phenanthrene, praseodymium, radium-226, rubidium, samarium, scandium, silicon, sulfide, sulfur, total NTV PBDEs, thorium, titanium, uranium-238, and yttrium.

6.1 Site-Specific Uncertainty Considerations

At this Site, numerous studies were conducted to collect Site-specific information to reduce the uncertainty in the risk estimates, primarily uncertainty associated with the following parameters:

concentrations of chemicals in environmental media (abiotic and biotic), and human exposure factors. The use of Site-specific estimates of EPCs and exposure factors in risk calculations can help reduce the uncertainty in the risk estimates (EPA, 1989). Site-specific EPCs can be obtained by sampling Site media, and exposure estimates can be informed by studying the local population (e.g., through surveys).

In some media, the concentration of COPCs represent a snapshot in time and future conditions could vary that would alter the concentration. For example, measured COPC concentrations in the <250 µm particle size fraction of sediment for beaches and floodplains does not necessarily account for the potential for weathering or redistribution of metal-enriched slag along the river. As discussed in the Introduction (Section 1) of this HHRA, the risks described herein are based on the data currently available.

For this HHRA, quantitative risk estimates were derived only for COPCs: COIs that exceeded RBSLs (see COI Screen Section 3.2 for more information). Chemicals that were measured in Site samples but were not retained as COPCs may contribute a small amount of added risk, but their contribution is expected to be so small that this is not a significant source of uncertainty.

Additionally, quantitative risk estimation is only possible for COPCs with toxicity values. Chemicals without toxicity values may contribute to total Site risk, but the magnitude of their potential contribution is unknown.

This uncertainty assessment considers all COPCs. Some COPCs identified in this uncertainty section are inorganic chemicals that are naturally occurring in the environment. Additionally, some inorganics are essential nutrients for humans, animals, and plants. In some cases, essential nutrients that were retained as COPCs contributed to HIs which exceeded risk benchmarks. Information is presented below concerning the ADI, the toxicity value, and recommended dietary allowance (RDA) for these nutrients for which calculated exposure as part of an HI exceeded risk benchmarks.

The uncertainties associated with lead and non-lead COPCs are discussed in the following sections (6.2 and 6.3, respectively). Although these are described in separate sections, some of the concepts apply to both lead and non-lead COPCs (for example, Sections 6.3.1.1 and 6.3.1.2 also apply to lead).

6.2 Uncertainty in Lead Risks

As discussed in Section 3, lead risks were calculated based on predictions of blood lead concentrations expected to result from estimated Site exposures. In order to predict the geometric mean PbB (which is the basis for risk predictions), the rate of absorption of lead from all exposure sources must be calculated and the distribution and elimination of lead from the body must be calculated. This is achieved by the IEUBK model using inputs of measured lead EPCs in air and soil, measured soil lead bioavailability; and assumptions about lead concentrations in drinking water and lead intakes from diet. Similarly, the ALM evaluation of outdoor workers incorporated Site-specific exposure, concentration, and bioavailability information in the assessment of sediment and soil at the surface and at depth. Uncertainties apply to evaluation of

lead exposures/risks in general and that uncertainties associated with the IEUBK model are generally applicable to the ALM.

Quantification of risks from exposures to lead is subject to data limitations and uncertainties. The most important factors at the Site are summarized below. Because of these uncertainties, the probabilities (P values) reported above should be understood to be estimates; however, this analysis is based on adequate Site characterization (for example, the EPCs for lead are based on comprehensive sampling of representative areas where exposure is likely to occur) and realistic, Site-specific inputs for other exposure variables for the assessment. Furthermore, by using a risk range (P3, P5, P8), risk managers are presented with information that can support a decision. This section presents the uncertainties in lead risk assessment for this Site and discusses those that are likely to influence risk-based decisions.

Uncertainties in blood lead predictions (and corresponding lead risk calculations and PRGs) come from numerous sources:

1. Uncertainty in estimates of parameters measured directly at the Site: soil lead concentrations and bioavailability; recreational exposure frequencies and durations. Some of these uncertainties can be described with confidence limits based on sampling results. These are discussed in greater detail below.

2. Uncertainties related to the assumption that exposure parameter values estimated in other populations apply to the Site (e.g., the default soil ingestion rates and dietary lead intakes from national estimates). These uncertainties cannot be quantified, since we have no direct measurements of these parameters at the Site; however, the potential impacts of uncertainty on risk estimates can be evaluated with sensitivity analysis. The sensitivity analysis for the IEUBK model (EPA, 1999) showed that IEUBK model results are most sensitive to the amount of soil ingested per day (soil-dust ingestion rate). The IEUBK model is moderately sensitive to several other variables, including absorption fractions for dust, diet and soil; soil lead concentration; indoor dust lead concentration; lead in the diet; and contribution of outdoor soil lead to indoor dust lead (MSD). These are discussed in greater detail below.

3. Uncertainties in the IEUBK model representation of lead biokinetics in young children. Biokinetics in the IEUBK model are intended to represent the relationship between lead absorption rate and blood lead in a “typical individual”. Expected variability in this relationship is represented with a probability distribution (as determined by the GSD variable), which is also based on variability in blood lead observed in other populations. Uncertainties in the prediction of blood lead at the Site cannot be quantitatively addressed since we lack direct measurements of the absorption - blood lead relationships for the Site population. These uncertainties are not discussed further in this assessment, because the uncertainty in blood lead predictions made with the IEUBK model has been determined to be acceptable for Site-specific risk assessment and is discussed elsewhere (SAB, 1990, 1992, 1998; EPA, 1994a, 1998b; Hogan et al., 1998; von Lindern et al., 2016; NAS, 2005).

The methodology for lead risk calculations is based on exposure to a "typical child" and with a few exceptions (primarily Site-specific media lead concentrations such as soil lead concentrations in DUs or ADAs, but also Site-specific media intake rates such as fish consumption) use national default values for risk calculations. To the extent that these represent average or typical exposures for the Site, the IEUBK model results may be considered applicable.

6.2.1 Uncertainty in Measured Inputs

6.2.1.1 Uncertainty in Average Lead Concentrations

EPCs for lead in residential soil were calculated using data from the IC surface soil samples collected within a DU. IC sampling entails the collection of multiple individual volumes of soil ("increments") from a target area (DU) that are composited and subsampled. The UCR surface soil samples were collected using 30 increments per IC sample. IC was selected as the sampling strategy because it provides a cost-effective alternative to discrete sampling when the objective is to estimate the mean concentration for a DU (Hathaway et al., 2008).

For these exposure pathways, full-time residential exposure was assumed (which may overestimate exposure for those DUs that are not used daily). There is some uncertainty in the assumed mass transfer of outdoor soil to indoor dust (the MSD term in the IEUBK model; see Section 6.2.1.7); however, using the <149 µm particle size fraction would be expected to increase the correlation in the relationship between outdoor soil concentrations of lead and indoor dust concentrations of lead due to the focus on fine particles which are more mobile in the environment. To inform risk management decisions, separate counts based on the DU type are provided (i.e., for house and play area DUs as well as other DU types) for selected target PbBs (Section 5.1.1).

For lead, risk estimates associated with current residential exposure to soil were conducted with Site-specific sampling data that were obtained in accordance with the DQOs (SRC, 2014a; TAI, 2016b). Also, soil lead EPCs are based on ICs for each DU and the DUs were established based on use information from interviews with the current residents. For future residential exposure, soil lead EPCs are based on ICs for each ADA; however, there is some uncertainty in the exposure area (the location of the future residence within the ADA is not known and is likely limited to approximately 1-5 acres within the larger ADA area [approximately 25 acres]).

The mean lead concentration in each environmental medium is used in the exposure and risk calculations to represent the average exposure concentration for a DU or ADA. IC sampling was used for soil and some sediment data sets to increase confidence in the estimate of the mean. The precision achieved using the ICS method is summarized in Table 6-1 using the margin of error (ME) and relative error (RE) of the means for DUs that had 3 ICS results. The ME equals one-half the width of the confidence interval for the mean (i.e., [95UCL-mean]/2) and the RE expresses the ME as a percentage of the estimate of the mean (i.e., ME/estimate of the mean). The true average concentration within a DU could be above (or below) the estimated mean, but it is unlikely (<5% chance) that it is above (or below) the mean by more than the ME. The median ME (RE) for all DU types combined was 22 ppm (14%). The median ME ranged from 6.4 ppm (gardens) to 47 ppm (tribal allotment soil) and the median RE for each DU type was less than 20% (excluding the soil DU at Bossburg Flat Beach). Across all DU types, 95% had an RE less

than 50%. Because soil and sediment exposure are the principal contributors to lead exposure, careful characterization of these media EPCs is particularly important in reducing uncertainty in lead risk calculations.

6.2.1.2 Uncertainty in Site-Specific Exposure Estimates for Recreational Visitors

As noted in the Data Analysis Report (DAR) for the RecUse Survey (SRC, 2019a), there is uncertainty in exposure frequency for beach visits because of an extreme drawdown during the survey that resulted in the loss of a beach interview location and a corresponding loss of data. While there is uncertainty in the actual exposure frequency and duration for on-Site recreational visitors, the best available information was used in the risk assessment calculations (based on a comprehensive Site-specific Recreational Use Survey (IEC, 2012, 2013a). Risks would be higher for more frequent users. Another source of uncertainty in the results is the assumption of Bossburg Flat beach exposure by beach, boating, or camping visitors. Bossburg Flat beach is currently closed; however, because it is unknown how long the closure will continue, this assessment assumed that Bossburg Flat beach was open for recreation. For recreational visitors, the principal contributing media are soil and sediment (including sediment contaminants that are taken up by fish). The principal media contributing to lead exposure for adult outdoor workers are residential soil (which is accounted for in the ALM in baseline blood lead) and Site sediment, with smaller contributions from surface water and fish.

6.2.1.3 Uncertainty in IEUBK Model Inputs

Potential sources of uncertainty in model predictions include the use of surrogate variables, missing variables that should have been included, abnormal conditions, and incorrect model forms. This is of special concern in lead risk assessment, as pathways of lead exposure have both direct effects (from contact with contaminated media) and secondary impacts such as the soil and paint contributions to house dust lead. Failure to correctly specify these variables can lead to uncertainties in interpreting quantitative results. For this reason, the DQOs for data collection at this Site (for both media COPC concentrations and media contact or ingestion rates where applicable) were rigorous in terms of data quality to ensure that representative data were obtained that allow for adequate characterization of exposure for risk assessment.

6.2.1.4 Uncertainty in Site-Specific Bioavailability of Lead in Soil and Sediment

While IVBA analysis was used to assess bioavailability of lead in soil and sediment at this Site on an exposure unit basis (by DU, ADA, and beach), there is some uncertainty in applying the information obtained from those analyses to exposure units or areas where IVBA data were not obtained. As described in Appendix 11, the IVBA results do not vary greatly across media and soil studies, so this source of uncertainty is small.

6.2.1.5 Uncertainty in Soil and Dust Ingestion Rates

Ingestion of soil is the principal route of intake of soil lead. EPA has extensively reviewed the various studies and the associated variability and uncertainty in observed soil ingestion rates (EPA, 2017b). Overall, the current recommended selections for age-variable soil intakes for the most vulnerable subsets of children in the 12-72 month age range in the IEUBK model are based on consensus and are in the range of multiple studies using different methods of estimation (EPA, 2017b).

Actual incidental soil-dust ingestion rates are uncertain and may be higher or lower for any given individual than the default assumed in this assessment. Soil ingestion estimates in the IEUBK model are based on fifteen years of data amassed from a large residential study population based in northern Idaho, located within 200 miles of the UCR Study Area (von Lindern et al., 2016). Alternative soil-dust ingestion rates have been used with the IEUBK model for other non-HHRA site risk assessment applications (Zartarian et al., 2017); however, the authors of that publication acknowledge the limitations of the work: "*Although we simulated correlations in Pb exposure among dust, soil, and water (using NHEXAS [National Human Exposure Assessment Survey] and HUD [U.S. Department of Housing and Urban Development] data), stratified data by housing age, and assessed BLL [blood lead concentration] at upper percentiles of the BLL distribution, our current analyses are not focused on specific at-risk populations, such as Flint, Michigan, and East Chicago, Indiana, or other environmental justice communities or homes with high Pb in soil, dust, or water*." The soil-dust ingestion rates used herein are the values currently recommended for site-specific HHRA lead risk assessment by the TRW Lead Committee.

To account for wet soil and sediment having a greater tendency to adhere to hands, there are several approaches for assessing sediment exposure. For this Site, instead of adjusting soil-dust ingestion rates (as described in EPA, 2003a), a larger particle size fraction was used for sediment (<250 µm) than was used for soil (<149 µm).

6.2.1.6 Uncertainty in Partitioning Ingestion Rate to Assess Soil and Dust Exposure

While contact and subsequent incidental ingestion of outdoor soil contributes to overall soil and dust exposure, it is generally accepted that house dust is the proximate environmental pathway medium for lead exposures of infants and toddlers (Mushak, 1998; Succop et al., 1998). EPA has evaluated the soil ingestion rate studies conducted to date and recommended an appropriate partition for outdoor soil and indoor dust ingestion rates for lead with a ratio of 45% of the intake coming from outdoor soil and 55% from indoor dust (EPA, 1994b).

6.2.1.7 Transport of Outdoor Soil or Sediment into the Residence

In the absence of indoor sources of lead (such as deteriorating lead-based paint), outdoor soil lead is generally the primary source of lead in household dusts. The EPA default assumption in the IEUBK model is that the concentration of lead in indoor dust is 70% that of the outdoor yard soil lead concentration (along with a small contribution from outdoor air; this is the MSD). The TRW Lead Committee has recommended that site-specific information used to support changing the MSD at specific sites should not be considered representative of the conditions at other sites unless site conditions (e.g., proximity, climate, housing type, socioeconomic status, grass cover) are demonstrated to be sufficiently similar. Lacking Site-specific indoor dust data (that would be obtained through vacuum sampling of residences at the Site), this default assumption was used. Some studies conducted at other sites have suggested the default assumption to be too high (Brattin and Griffin, 2011); however, these studies have not been determined by EPA to be generalizable to sites other than those included in the analysis.

In the absence of measured indoor dust lead concentration data, the default MSD was used. This value likely over predicts indoor dust lead concentration as shown at other sites (Schoof et al., 2019); however, Site-specific information is not available from the UCR Site to derive an alternative Site-specific estimate applicable to the UCR.

6.2.1.8 Dietary Lead Intake

Dietary intake of lead for this assessment was based on the TRW Lead Committee's most recent recommendation (EPA, 2019c). As described in that report, the recommended default values are based on national food supply monitoring data and population-based data for dietary intake. Alternative estimates of dietary intake for lead exist (e.g., Zartarian et al., 2017) suggesting the TRW Lead Committee's recommended values may slightly overestimate dietary intake. The recommended TRW Lead Committee values for dietary lead intake assume most calories are obtained from grocery stores, rather than home gardens. It is not known whether these national estimates over or underestimate estimates for the Site population. In general, lead in food is a minor contributor of lead intake as compared to soil and dust sources, so dietary lead intake is not considered a principal source of uncertainty. The gardening exposure scenario was not employed in this HHRA because those residences with acceptable concentration of lead in outdoor soil are generally considered acceptable for unlimited use and unlimited exposure (including gardening) (EPA, 2014b). Evaluating garden DUs for full-time residential exposure, as was done in this HHRA, is a health-protective exposure assumption.

6.2.1.9 Incremental Exposures and Time Weighting

The methodology used to assess recreational exposure pathways described in Chapter 5 of this HHRA is based on TRW Lead Committee recommendations (EPA, 2003a). There is some uncertainty in this approach as described in the guidance, primarily arising from the adjustment of the frequency of exposure, which must be increased from approximately 6 days (mean value from the RecUse Survey; SRC, 2019a) over a 90-day period to 13 days over a 90-day period (or once per week) to meet the minimum requirements of the IEUBK model. To assess the magnitude of uncertainty introduced by this adjustment, the AALM was used to predict PbBs resulting from 6 days over a 90-day period and these results were compared to the IEUBK model results. The details of that analysis are described in Appendix 15. As discussed in that appendix, the adjustment to the exposure frequency necessary to use the IEUBK model is small and unlikely to influence risk-based decisions.

6.2.1.10 Uncertainty in Residential Use and Future Use Scenario Assumptions

Exposure to soil at this Site assumed full-time residential use of residential DUs that are not house DUs and for upland ADAs without residences. This simplifying assumption overestimates exposure for DUs and ADAs that are not used regularly by young children. This overestimate must be balanced with the possibility that future development may occur and the need to inform risk decisions for the near and long term. Because the Site is near a National Recreation Area, it is possible this area will experience significant pressure for land use change in the future, including residential expansion (both year-round and seasonal). Although many of the upland areas are presumably unavailable to residential development because they are protected by government ownership/management, there are thousands of acres of private land in the Site area where development could occur. The exposure assumptions used herein are provided to enable risk managers considering the risks associated with future residential development to inform risk reduction strategies for these areas.

6.2.2 Summary of Uncertainty in Lead Risk Assessment

The principal areas of uncertainty in lead risk assessment modeling for this Site are: (1) mass of ingested soil and dust; (2) partitioning ingestion rate to assess soil and dust exposure; and

(3) transport of outdoor soil into the residence. These contributors to uncertainty are important to identify for the following reasons: (1) these parameter values are based on the national defaults from other populations; (2) their applicability to the UCR population is an assumption, and (3) these parameters have been demonstrated to strongly influence risk calculation results (EPA, 1999). The use of default assumptions for these parameters would be unlikely to underestimate risk in this HHRA.

6.3 Uncertainty in Risks from Exposure to Non-Lead COPCs

6.3.1 Uncertainty in EPC Estimates

All studies conducted to support the HHRA followed the EPA DQO and Uniform Federal Policy (UFP)-QAPP processes to ensure that field and laboratory methods produced environmental data of sufficient quality and quantity to support the risk assessment. Some uncertainty is always present in estimates of EPCs because of sampling variability. In accordance with the DQOs and QAPP, this source of uncertainty is managed by using the 95UCL of the mean as the EPC (or a surrogate value if a 95UCL cannot be calculated).[85] This tends to minimize the likelihood of underestimating the exposure concentration but may result in an overestimation of actual exposures. Analytical error is another potential source of uncertainty in the estimation of Site-specific EPCs. However, because Site-specific data were collected and analyzed in accordance with the UFP-QAPP, analytical error is expected to be one of the smaller sources of uncertainty in this risk assessment.

6.3.1.1 Surface Water EPCs

6.3.1.1.1 Disturbed versus Non-Disturbed Samples

Human exposures to surface water may occur under a variety of exposure scenarios. In most instances, on-Site exposures are expected to occur primarily in shallower water near beach areas (*e.g.*, recreational visitors during wading/playing activities, outdoor workers during occupational activities) which may be directly influenced by sediment disturbances resulting from these activities. Data which represent disturbed surface water from shallow areas near beaches was identified as a data gap in the HHRA Work Plan (SRC, 2009). The unfiltered, disturbed surface water samples collected in shallow water near beach areas were used to evaluate exposure to surface water during all recreational and occupational activities in this HHRA. The EPCs from the disturbed shallow water samples provide a conservative estimate of exposure from swimming in deeper water where disturbance of the underlying sediment would not be expected. The EPCs calculated for unfiltered, undisturbed surface water samples were always lower than for unfiltered, disturbed samples. Use of the disturbed, unfiltered surface water data to evaluate risk from swimming in deeper water may overestimate risk from this exposure pathway.

6.3.1.1.2 All Regions Combined versus Reach by Reach or Region by Region

The surface water EPCs were calculated using data from all disturbed, unfiltered sampled collected from UCR Reaches 1 through 6. The rationale for combining the surface water data to estimate one EPC for the Site was based on the number of samples available for each reach of the UCR (n = 4 to 6). Surface water samples were collected from one transect per river reach.

[85] See Section 6.3.1.3 and Appendix 12 for a description of how surrogate values were derived for soil samples.

Each reach of the UCR includes 12 to 59 miles of surface water. The differences in the numbers of beach trips per year, and the time spent swimming and wading in water more than waist deep during beach trips, are not substantially different among the three regions of Lake Roosevelt ("upper," "middle," and "lower"; SRC, 2019a; Figure 3-4). Therefore, a Site-overall EPC for surface water was calculated (i.e., incidental ingestion of surface water while swimming).

6.3.1.2 Sediment EPCs

6.3.1.2.1 RBA and Non-Lead COPC EPC Estimates Calculated for Beaches Sampled in 2009 and 2010

All sediment samples collected from beaches sampled in the 2009 – 2011 beach sediment study were sieved to <2 mm. A single surface sediment composite from each beach was randomly selected and further sieved into four size fractions: <2 mm to 250 µm, <250-125 µm, <125-63 µm, and <63 µm. Analyses for metals and IVBA of arsenic and lead were conducted on each of these finer fractions. In 2013, EPA requested that the archived samples from beaches sampled in 2011 be reanalyzed for arsenic and lead and IVBA of lead to verify that results based on estimated means from the three size fractions (<250-125, <125-63, and <63 µm) were comparable to measured results on sediment sieved to <250 µm. Five beaches were included in the reanalysis: Bossburg Flat, Evans Campground, Flat Creek, Lyons Island, and Swimming Hole. Archived samples were sieved to <250 µm and submitted for analysis of lead, arsenic, and IVBA of lead (EPA, 2013b). The RPDs ranged from 7 to -82% for arsenic and from -4 to -74% for lead (negative values indicate the 2013 measured RBA-adjusted mean was less than the estimated RBA-adjusted mean). The RPDs for lead and arsenic each exceeded the 35% decision criterion (EPA, 2013b) for two of the five beaches. However, the estimated RBA-adjusted mean lead concentration exceeded the mean of the measured RBA-adjusted concentration for each of the five beaches while the mean of the measured RBA-adjusted arsenic concentration exceeded the estimated mean of the RBA-adjusted arsenic concentration at each of the beaches except Bossburg Flat.

There is uncertainty associated with the calculated sediment EPCs for COPCs other than lead and arsenic in beach sediment samples collected in the 2009-2011 beach sediment study and the direction and magnitude of this uncertainty is unknown. However, the results of the 2013 reanalysis indicate the estimated means may be biased high.

6.3.1.2.2 Subsurface Sediment and Soil EPCs

Outdoor workers may be in contact with subsurface sediment and beach soil at public beaches during occasional occupational activities such as digging holes, trenches, and footings, which can lead to the incidental ingestion of small amounts of sediment or soil. Subsurface sediment data for the <250 µm fraction are only available for the 2015 Bossburg Flat and Evans Campground SDUs and the former cable ferry landing location (F-01), and subsurface soil data for the <149 µm fraction are only available for the 2015 Bossburg Flat UDUs. Quantitative risk calculations could only be done using subsurface data from that sampling event (TAI, 2016a).

Subsurface sediment data for the <2mm particle size fraction are available for public beaches where IC surface samples were also collected. The subsurface samples were collected from 0-15,

15-30, and 30-45 cm depth intervals with soil cores.[86] Table 3-2 compares the mean concentrations of COPCs in the 0-15 cm depth interval (surface sediment) to the concentrations in the entire 0-45 cm depth interval on a Site-wide comparison (comparisons for each beach are provided in Appendix 9). Table 3-2 shows that the Site-wide concentrations of COPCs in the subsurface sediment are similar to surface sediment concentrations. The magnitude and direction of uncertainty associated with exposure to the <250 µm subsurface sediment fraction at other public beaches is unknown, but it is likely that risk calculations conducted using EPCs from surface sediment samples at those beaches are sufficient to estimate risk from exposure to subsurface sediment. Subsurface beach soil data are not available for any public beach except Bossburg Flat at the Site.

6.3.1.3 Soil EPCs

EPCs for soil were estimated based on IC samples collected within each DU or ADA. The 95UCL t-statistic COPC concentration was identified as the EPC for each residential soil DU and upland ADA where triplicate ICS samples were collected. For residential soil DUs and upland ADAs where a single ICS sample was collected, the EPC was calculated by multiplying the sample result by a CF derived based on the 95UCL/mean ratio estimated for DUs with three composite samples (Appendix 12). Residential soil sampling DUs were not randomly located; they were selected based on high potential for contact with soil based on land use as determined from interviews of property owners and site inspections. ADAs were randomly located within three designated sampling areas; a primary area adjacent to the UCR and within the river valley (an area most likely to have received aerial deposition of contaminants emitted by smelters); a high density sampling area immediately downstream of the U.S. – Canada border (selected because of the perceived likelihood of higher historic deposition rates based on historic SO_2 vegetation damage attributed to the Teck Smelter); and a reserve sampling area located adjacent and to the east of the primary sampling area. Use of the 95% UCL or a surrogate COPC concentration within a DU or ADA as the EPC and collection of 30 increments for each composite sample will likely minimize the potential that the soil EPC is underestimated.

Soil EPC calculations for COPCs other than lead and arsenic assumed that 100% of the measured concentration of COPC was bioavailable. As part of the 2014 Upland Soil Study (TAI, 2015a), IVBA was measured in soil samples for TAL metals and molybdenum, as shown in Table 6-2. However, though current EPA guidance recognizes validated methods for assessing RBA of arsenic and lead in soils and soil-like materials for applications to HHRA at sites assessed by EPA (EPA, 2017f), IVBA data available for COPCs other than lead and arsenic have not been validated. Consistent with EPA guidance, RBA adjustments made in this HHRA were limited to arsenic and lead. Risk estimates for other metals are overestimated to an unknown extent based on the assumption of 100% bioavailability.

6.3.1.4 Outdoor Air EPCs

The last Site-specific air data were collected in 2009, and air data were only collected at one location near Northport. There is temporal uncertainty associated with the EPCs for COPCs in air because of the lack of current Site-specific data and there is spatial uncertainty with the air EPC, because data were only collected at the Sheep Creek monitoring station near Northport.

[86] ICS samples were also collected from the subsurface at DUs located at Bossburg Flat Beach and Evans Campground Beach.

Currently, air quality at the Trail smelter meets all applicable regulatory standards for air pollutants including lead and arsenic (Trail Area Health and Environment Program, http://www.thep.ca/pages/airquality). Figure 2-13 shows Trail, BC, Canada arsenic, lead, and cadmium aerial emissions from 2002 to 2017 reported to the Canadian National Pollutant Release Inventory (https://open.canada.ca/data/en/dataset/1fb7d8d4-7713-4ec6-b957-4a882a84fed3). Emissions of arsenic and lead are lower than in years prior to 2009; however, individual metals may still be emitted at varying and sometimes higher rates. The magnitude of uncertainty associated with lack of air samples between the border and the Sheep Creek station is unknown. However, risk from inhalation of air is likely to be overestimated. Based on emissions reported to the Canadian National Pollutant Release Inventory, COPC concentrations in air emissions have generally been decreasing over time. ECY (2017a, 2017b) estimates air concentrations south of the border based on air concentrations measured in Butler Park and Columbia Gardens, BC, Canada.

6.3.1.5 Indoor Air EPCs

In the absence of measured indoor air concentration data for COPCs, an assumption was made that the indoor air concentration was equal to the outdoor air concentration. This is a health protective assumption that is uncertain. There are studies showing that the home provides little, if any, filtration of airborne particles in ambient air (Thatcher and Layton, 1995) and other studies that suggest indoor air concentrations may be lower than outdoor air concentrations for small (PM2.5) particles (Allen et al., 2012).

6.3.1.6 Fish EPCs

For the fish tissue EPCs, sample size ranged from 9 to 51, depending on the analyte and species (Table 3-29). Fillet tissue data were collected for nine species consumed by human receptors (see Voigt et al. [2015] for information on distribution of metals in fish tissue). Site-specific data for the EPCs in fish tissue are considered robust and adequate to characterize risk from this pathway.

Species representative of various feeding guilds (piscivore, omnivore, insectivore, benthivore/ detritivore) were selected for analysis and were assumed to be representative of all fish species with similar feeding habits. Based on the RecUse and Tribal surveys (SRC, 2019a, 2019b), rainbow trout (an omnivore) and walleye (a piscivore) were the most frequently consumed species of fish sourced from the UCR. Both surveys indicated the species consumed infrequently were burbot (piscivore), perch (omnivore), carp and catfish (benthivore/detritivore). Creel surveys indicated similar trends, with walleye and rainbow trout reported as the most frequently harvested species, and northern pike, whitefish, burbot, perch and carp harvested infrequently (STF, 2020). Although there is uncertainty associated with evaluation of individual species that are consumed infrequently, the direction and magnitude of that uncertainty is unknown. Species representative of the piscivore and omnivore feeding guild were reported as both frequently (walleye, rainbow trout) and infrequently consumed (burbot, perch).

6.3.1.6.1 Inorganic Arsenic in Fish

Inorganic arsenic was not detected in any fish fillet samples collected on-Site (n = 98, 2009 study [TAI, 2013a]; n = 9, 2016 sturgeon study [TAI, 2017d]; n = 12, 2018 Northern pike study [TAI, 2018]). However, both inorganic and total arsenic were detected in whole body samples of some

fish collected in 2005. Inorganic arsenic was detected in 3 of the 25 whole body fish submitted for analysis of both total and inorganic arsenic, and total arsenic was detected in all 25 whole body fish. When a mean inorganic arsenic concentration was calculated using the reporting limit as the concentration value for non-detects, the mean inorganic arsenic was 13.45 µg/kg ww, and the mean total arsenic in whole body fish was 246.4 µg/kg ww. This results in a Site-specific fraction of inorganic arsenic (compared to total arsenic) of 5.5% in whole body fish.[87] For this assessment, if a fish tissue sample was analyzed for inorganic arsenic, the result for that sample was used as the inorganic arsenic concentration in the EPC calculations. If a fish tissue sample was not analyzed for inorganic arsenic, then the Site-specific fraction of 5.5% was applied to the total arsenic concentration and that result was used as the inorganic arsenic concentration in the EPC calculations. Use of a Site-specific fraction based on measured concentrations reduces the uncertainty associated with making assumptions about the fraction of total arsenic present in fish tissue as toxic inorganic arsenic. Risks associated with inorganic arsenic in fish fillets are not likely overestimated.

6.3.1.6.2 Fish by Species

Risk calculations were done using EPCs calculated by fish species with data collected from Reaches 1 through 6 combined. For the COPCs that contributed the most to risk from fish consumption (methylmercury, TEQ, Aroclors, lead and thallium), fillet concentrations were highest in suckers (mercury, Aroclors and lead), whitefish (TEQ), and walleye (thallium) (Table 6-3). Exposure to these COPCs can be reduced by targeting consumption of less contaminated species.

Although risk calculations were not conducted using data by Reach, lead concentrations in fish tissue were evaluated further. Arithmetic mean lead concentrations ranged from 0.00355 mg/kg ww in Northern pike to 0.163 mg/kg ww in suckers. Lead in suckers was highest in fish collected in Reach 1 (0.393 mg/kg ww) and Reach 2 (0.183 mg/kg ww) and ranged from 0.0642 to 0.0993 in suckers collected from Reaches 3 to 6. As noted above, exposure to lead can be reduced by limiting consumption of this species to fish caught in the lower river reaches.

6.3.1.7 Estimating Total (Summation) Concentrations of Certain Chemical Classes

There are 209 PCB congeners. Of the 209 congeners, twelve congeners are classified as “dioxin-like”. There are potential risks associated with possible enhancement of these dioxin-like PCB congeners (toxicologically related to TCDD), whereby congener-based analysis can be utilized to ensure that overall PCB risks are not underestimated (EPA, 1996a). Because dioxin and furan congeners and dioxin-like PCBs all act by the same mechanism as 2,3,7,8-TCDD, data for the dioxin and furan congeners and dioxin-like PCBs were converted to a TCDD TEQ by computing the sum across congeners of the product of congener-specific concentration and relative TEF. TEFs were based on EPA (2010a). Separate TEQ values were calculated for dioxins and furans and dioxin-like PCBs assuming one-half the detection limit for concentrations qualified as non-detects. This assumption reduces the likelihood that TEQ EPCs were underestimated.

[87] The average % inorganic arsenic was also calculated using measured total arsenic in fillets and the MDL as the value for inorganic arsenic, as per the Arsenic Data Usability Report (SRC, 2012); the calculated % arsenic was 5.6%, similar to the measured value for whole body fish.

A total PCB concentration was calculated two ways, by summing across all non-dioxin-like PCB congeners and by summing across all Aroclors for each sample. Not all samples had Aroclor results. Non-detects were set equal to zero. The larger detected concentration of these two values was retained and used as the PCB EPC. This assumption reduces the likelihood that TEQ EPCs were underestimated.

6.3.2 Uncertainty in Exposure Parameter Estimates

At this Site, numerous studies were conducted to collect Site-specific information to reduce the uncertainty in the risk estimates, primarily uncertainty associated with the following parameters: concentrations of chemicals in environmental media (abiotic and biotic), and human exposure factors. The use of Site-specific estimates of EPCs and exposure factors in risk calculations can help reduce the uncertainty in the risk estimates (EPA, 1989). Site-specific EPCs were obtained through numerous sampling events to quantify COPC concentrations in Site media (uncertainty described in the previous section), and exposure estimates were informed by conducting two high-effort, local surveys to develop Site-specific exposure parameters (SRC, 2019a and b).

6.3.2.1 Current and Future Resident Population Exposure Parameters

EPA has collected a wide variety of data and performed a number of studies to establish national default values for most residential exposure parameters. For the resident receptor population in this HHRA, the primary sources of exposure parameters were EPA (1989), EPA (1994b), EPA (1998a), EPA (2004a), EPA (2011a), EPA (2014a), and EPA (2019a). Uncertainty associated with non-default exposure parameters utilized in this risk assessment for residents is discussed below.

6.3.2.1.1 Uncertainty in Exposure Time for Current and Future Residents

The current and future resident populations were evaluated for potential risk from incidental ingestion of surface soil and indoor dust; for some COPCs, these risks exceeded non-cancer benchmarks. Important sources of uncertainty associated with estimating risk from incidental soil and indoor dust ingestion include the exposure assumptions utilized in the risk calculations and the COPCs that contribute to the calculated risk. For this risk assessment, exposure to surface soil assumed full time exposure of a resident on any DU or ADA for a lifetime, which may overestimate exposure for those DUs and ADAs that are not used daily. It was also assumed that exposure to indoor dust occurred on all residential DUs and ADAs that were sampled, even if no house was present on that DU.

Exposure to soil at this Site assumed full-time residential use of upland ADAs without residences. This simplifying assumption overestimates exposure for ADAs that are not used regularly by 12-17-month-old children who are most susceptible to lead exposure. This overestimate must be balanced with the possibility that future development may occur and the need to inform risk decisions for the near and long term. Because the Site is near a National Recreation Area, it is possible this area will experience significant pressure for land use change in the future, including residential expansion (both year-round and seasonal). Although many of the upland areas are presumably unavailable to residential growth because they are protected by government ownership/management, there are thousands of acres of private lands in the Site area where growth could occur. The exposure assumptions used here are provided to inform risk

managers who may want to consider the possibility of expanded use of this area for residential development in developing risk reduction strategies for these areas.

6.3.2.1.2 Uncertainty in Exposure Time for Residents with a Beach

Residents with a beach on their property were assumed to spend 350 days/year on the property under RME exposure assumptions. They were also assumed to spend 32 days/year on the beach under RME exposure assumptions (2 days/week for 16 weeks/year, assumed to represent months with seasonable weather; professional judgement) and 20 days/year on the beach under CTE exposure assumptions based on beach utilization estimates from the RecUse Survey (SRC, 2019a). Although this totals more than 365 days/year, Site-specific exposure time of 2.9 hours/day for adults and 2.8 hours/day for children (SRC, 2019a) was incorporated into the surface water exposure calculations for the resident with beach population.

6.3.2.1.3 Uncertainty in Fish Consumption Estimates for Residents with a Beach

The resident with a beach population and the current and potential future resident populations were evaluated for potential risk from exposure to COPCs through consumption of fish caught from the UCR; for some COPCs, these risks exceeded non-cancer benchmarks. Fish consumption rates were estimated based on the RecUse Survey (adult RME) and the Tribal Survey (adult CTE) and are described in Section 6.3.2.3.4.

6.3.2.2 Outdoor Worker Population

The EPA has collected a wide variety of data and performed a number of studies to establish national default values for most outdoor worker exposure parameters. For this HHRA, the primary sources of exposure parameters for the outdoor worker population were EPA (1989, 1994b, 1998a, 2004a, 2011a, 2014a, 2019a). The only Site-specific exposure parameter used for this receptor population was an exposure frequency estimate based on interviews with park employees and worker activity during the drawdown season (DOI, 2019).

6.3.2.3 Recreational Visitor Population

Site-specific parameters derived from the RecUse Survey (SRC, 2019a) used in this HHRA were EF for trips to the beach, boat trips, and camping trips; ET for swimming during beach day trips, boat trips, and camping trips; and fish consumption rates for fish harvested from the UCR. Use of Site-specific exposure estimates instead of default exposure parameters will reduce the uncertainty associated with exposure estimates. It is assumed that evaluation of the recreational visitor receptor population is representative of local area residents and outdoor workers that utilize the UCR for recreation.

Some parameters derived from the RecUse Survey were also used to evaluate the resident with beach receptor population: EF and ET for swimming during beach trips, and the adult RME fish consumption rate for fish harvested from the UCR.

6.3.2.3.1 General Trips to the Beach

There is uncertainty associated with the recreational use exposure parameters derived from the RecUse Survey and used in the HHRA. Uncertainty in estimates of EF is quantified by CIs for the means and tolerance intervals for the P95s that are presented in Tables 12–14 of the RecUse DAR (SRC, 2019a). Estimates of the mean EF for adults for all regions of the UCR combined

are very precise, with MEs (1/2 the CI width) of ±1 day/year or less for all three trip types: beach, boating, and camping. MEs for the P95s for adults range from ±5.1 boating trips/year, to ±2.5 days spent camping per year and ±4.7 beach trips per year. While the sample sizes for children are much smaller than adult sample sizes, the MEs for the estimated means for children are ±2.2 days/year or less for all three trip types. The MEs for the estimates of the P95s for children are similar to adults except for boating; the ME for the estimate of the P95 for annual boating trips by children is 14.1, which corresponds to an RE of 88%. The estimates of the mean and P95 for number of trips per year, as well as their CIs, are considered very reliable given the large sample sizes available, particularly for adults.

The estimates for the means and P95s for EF for individual lake regions are less precise as would be expected given the smaller sample sizes. The decrease in precision varies depending on the type of trip and the lake region. The MEs for the estimated mean and P95 for beach trips by adults to the lower region are substantially larger than the MEs for the middle and upper lake region. For children, the estimates to the upper region are more precise than the lower and middle regions. For each of the trip types, estimates of the mean and P95 are less precise in the lower lake region compared to the middle and upper regions, except for the number of boating trips per year to the lower lake region by children: the MEs for the mean and P95 are 2.5 and 48 days/year, respectively.

6.3.2.3.2 Swimming, Exposure Frequency and Time

Estimated means and P95s for time spent swimming are presented in Tables 17a and 17b of the RecUse DAR (SRC, 2019a). Estimates of the mean time spent swimming during beach trips are very precise for adults and children for all regions of the UCR combined. The MEs for the means are less than ±0.2 hours for adults and children. The ME for the P95 for adults is also small (±0.25 hours). A tolerance interval for the P95 is not available for children (Woodruff's method was not able to produce an estimate; SAS, 2017). However, the estimates of the mean and P95s for time spent swimming during beach trips are very similar between adults and children. Therefore, the estimates of the mean and P95 for adults and children are also considered reliable.

The estimates for the time spent swimming during boating trips for children are not considered reliable given the small sample size (n = 16).

Estimates of the mean time spent swimming during camping trips are very precise for adults for all regions of the UCR combined. The ME for the mean is approximately ±0.25 hours. The estimate for the P95 is 6.0 hours with 95% tolerance limits of [4.7, 5.7]. The sample size for children (n = 24) produces less precise estimate of the mean; the ME is 0.70 hours.

6.3.2.3.3 Uncertainty in Fish Consumption Estimates for Recreational Visitors

The recreational visitor population was evaluated for potential risk from exposure to COPCs through consumption of fish caught from the UCR; for some COPCs, these risks exceeded non-cancer benchmarks. Important sources of uncertainty associated with estimating risk from fish consumption include the fish consumption rate utilized in the risk calculations and the COPCs that contribute to the calculated risk. The fish consumption data for the RecUse Survey came from two sources: 12-month recall questionnaires and detailed 3-month food diaries. The fish consumption data for the RecUse Survey were combined to increase limited data provided by the

fish consumption diaries for children (n=7) and for women of child-bearing age (n = 4). Combining data from the questionnaires and diaries entailed merging data that covered different time periods (3-month diaries versus 12-month recall questionnaires). A comparison of the number of meals reported on the questionnaires and diaries did not indicate a clear relationship. Therefore, there is a degree of uncertainty (of unknown magnitude and direction) in the fish consumption rates for the recreational visitor population.

As described in Section 3.5.2.1, the lack of sufficient data to estimate a fish consumption rate for children was addressed by using a ratio of 0.5 for the child:adult DCR for fish that was based on caloric intake (IOM, 2005; Appendix 14). There is some uncertainty in applying this ratio to estimate the child DCR for fish as the ratio is not specific to fish or any other specific food item. Other sources of DCRs for fish were analyzed to help interpret the ratio of 0.5 that was estimated with the IOM data. Based on EPA's analysis of survey data collected for tribal and recreational anglers in four states, the ratio of the mean child:adult DCRs for fish and shellfish combined was 0.4 for both the tribal and angler populations (EPA, 2013c). The ratios ranged from 0.4 to 0.7 for the tribal populations and from 0.3 to 0.6 for the angler populations.

The fish consumption rates derived from the RecUse Survey reflect consumption at the time the survey was conducted. The effect of fish advisories issued by WDOH on fish consumption rates is unknown (WDOH, 2018a, 2018b, 2019). These data are based on a high effort, local survey conducted to inform a Site-specific fish consumption rate for recreational visitors; the use of Site-specific consumption rates reduces the uncertainty in assessing exposure to contaminants from eating locally-sourced fish.

6.3.3 Uncertainty Associated with Non-Lead COPCs that Contributed the Most to Risk

6.3.3.1 Uncertainty Associated with Key COPCs for Incidental Soil and Dust Ingestion

For the incidental soil and indoor dust ingestion pathway by current residents, the non-lead COPCs that contributed the most to risk in soil are arsenic, cobalt, iron, manganese, and thallium. For the current resident adult population, no COPCs had individual HQs >1. Thallium had an HQ of 2 for one house DU for the current resident child population under the RME scenario. For potential future residents, the COPCs that contributed the most to risk in soil are also arsenic, cobalt, iron, manganese, and thallium. However, no individual COPCs had an HQ >1. Measured concentrations of cobalt, iron, manganese, and thallium are below estimated background concentrations in the majority of residential DUs and ADAs (see Section 6.4, Figures 6-4 to 6-7, and Figures 6-16 to 6-19).

6.3.3.2 Essential Elements Identified as Key COPCs for Soil/Dust Ingestion

Some essential elements were found to contribute to the risk at the UCR Site. Iron and manganese are essential nutrients, and cobalt is an essential trace element which is a constituent of vitamin B12. Table 6-4 provides the estimated ADI, the RfD, the adequate intake (AI) concentration, and the Tolerable Upper Intake Level (TUIL) for cobalt, iron, and manganese (Goyer et al., 2004; EPA, 2007d; National Academies Press [NAP], 2001; IOM, 2018; University of Rochester Medical Center, 2018; National Institutes of Health [NIH], 2018).

Nationwide, the average adult intake of cobalt is 5-8 µg/day, primarily from the diet and water ingestion[88]. No RDA for cobalt has been established (IOM, 2018; University of Rochester Medical Center, 2018). The RDA for B12 is 2.4 µg/day, and no UL has been determined. Site-specific ADI for current residents is 1 µg/day, and 2 µg/day for future residents. Although there is no RDA or UL for this essential trace element, intake of cobalt via incidental soil ingestion at this Site is below the range reported as the ADI for adults.

The RDA for iron is 18 mg/day for premenopausal females, and 8 mg/day for all other adults NAP, 2001; IOM, 2018). The RfD for iron is 56 mg/day, slightly higher than the UL (45 mg/day). Site-specific ADI of iron for current residents is 3.3 mg/day (range 1.6 to 9.1 mg/day), and 3.6 mg/day (range 2.0 to 5.4 mg/day) for future residents, more than 10-fold below both the RfD and the UL.

An RDA is not available for manganese. Table 6-4 provides the estimated AI, the RfD (1.92 mg/day), and the UL for manganese, and the Site-specific estimated daily intake average and range for children and adults. Average Site-specific daily manganese intake by current residents is more than 20-fold below the RfD (0.09 mg/day, range 0.04 to 1.3 mg/day). ADI by future residents was more than 10-fold below the RfD (0.16 and ranged from 0.05 to 0.33 mg/day).

6.3.3.3 Uncertainty Associated with Key COPCs for Fish Consumption

For the fish consumption pathway by recreational visitors, residents with a beach, and current and potential future residents, the COPCs that contribute the most to risk in fish tissue are methylmercury, dioxin/furans and dioxin-like PCBs, and thallium. State and nationwide monitoring programs indicate that bioaccumulative COPCs in fish tissue are an ongoing problem in Washington and many parts of the U.S. There is a WA State-wide fish consumption advisory for mercury in smallmouth bass, largemouth bass, and northern pikeminnow (Herger et al., 2017). UCR fish advisories are similar to (largemouth bass, two meals per month; northern pikeminnow, do not eat; WDOH, 2020) or less restrictive than Statewide advisories (smallmouth bass, one meal per month, WDOH, 2012).[89] Nationally, the number of fish advisories for mercury and PCBs continues to increase (EPA, 2011b).

For individual fish species, only consumption of northern pike and sturgeon result in no individual HQs >1. Some fish consumption target organ HIs exceed 1 for the RME child recreational visitor and the RME child resident (with and without beach) populations (Tables 5-9 to 5-111 and 5-136 through 5-200). Consumption of northern pike and sturgeon results in no target organ HIs >1 for both the child recreational visitor and resident (with and without beach). Sucker, smallmouth bass and walleye consumption result in target organ HIs >1 for three target organ systems (developmental, nervous and shin/hair/nails for smallmouth bass and walleye and developmental, nervous, and reproductive for sucker). Consumption of burbot results in target organ HIs >1 for the developmental and nervous system, and consumption of whitefish results in target organ HIs >1 for the reproductive and skin/hair/nails target organ systems. Consumption of kokanee or rainbow trout only results in a target organ HI >1 for the skin/hair/nails system.

[88] https://www.cobaltinstitute.org/cobalt-bioessentiality.html; https://www.urmc.rochester.edu/encyclopedia/content.aspx?contenttypeid=19&contentid=cobalt.
[89] https://www.doh.wa.gov/CommunityandEnvironment/Food/Fish/Advisories/Publications.

Kokanee, bass, rainbow trout, and walleye were fish species reported being consumed most frequently (SRC, 2019a). Anglers typically prefer to harvest and consume trout and walleye rather than suckers (SRC, 2019a).

6.3.3.3.1 Organic COPCs

Ongoing State contaminant monitoring programs collect data on persistent, bioaccumulative and toxic chemicals (PBTs) in fish tissue. ECY has a Freshwater Fish Contaminant Monitoring Program (FFCMP). The FFCMP has measured PBTs in over 550 samples from 170 sites within the State of Washington (Seiders et al., 2016). COPCs measured in some or all fish collected are chlorinated pesticides, mercury, PCBs, PCDD, and PCDFs, and PBDEs. In 2010-2011, ECY collected sediment and fish from 17 northeast Washington lakes and rivers and one lake and river in northern Idaho thought to be minimally impacted by local human activities. The goal of the study was to provide regional-scale sediment and fish tissue data representative of reference or background conditions (ECY, 2011).

Measured concentrations of dioxin/furans, and PCBs in fish collected from the UCR are similar to concentrations measured in other locations in the northeastern portion of Washington and in Idaho (Seiders et al., 2014, 2015, 2016; Herger et al., 2017; ECY, 2011). Detailed comparisons are difficult because more fish concentration data are available from the UCR than from other locations in the region, and similar species were not collected for all studies.

6.3.3.3.2 Inorganic COPCs

Mercury is a Site-related COPC that was historically discharged in wastewater effluent from fertilizer plant operations at the Cominco facility (Cominco, 1997). Mercury is also recognized as a ubiquitous global contaminant in fish. Measured concentrations of mercury in fish collected from the UCR are similar to or lower that concentrations measured in other locations in northeast Washington and Idaho (Seiders et al., 2014, 2015, 2016; Herger et al., 2017; ECY, 2011). The mean mercury in fish fillets (all species; ranging from 63.4 [kokanee] to 256 µg/kg ww [suckers]) collected from the UCR is 158 µg/kg ww, similar to the regional-scale fish tissue data representative of reference or background conditions reported in ECY (2011; mean of 69 µg/kg ww for salmonids and 169 µg/kg ww for spiny ray fish). Fish advisories for mercury in the UCR are similar to other advisories in Eastern Washington prepared by the Washington State Department of Health.[90]

Information on thallium concentrations in fish is limited. The only study located that reported thallium concentrations in fish tissue was Tiller et al. (2004). Mean thallium concentrations in whole-body juvenile salmon captured from the Columbia River upstream and downstream of the Hanford site were 28.9 and 29.5 µg/kg ww, respectively. Mean thallium concentrations measured in fish fillets from the UCR ranged from 3.32 µg/kg ww in sturgeon to 35.5 µg/kg ww in walleye (Table 3-29).

Although the COPCs that contributed the most to non-cancer risks calculated for fish consumption by the recreator and resident with and without beach populations at the UCR Site

[90] https://www.doh.wa.gov/DataandStatisticalReports/HealthDataVisualization/fishadvisory.

are methylmercury and thallium, the concentrations of these COPCs in UCR fish are within the range of concentrations measured at other non-contaminated and contaminated sites.

As thallium is a COPC that contributes a large portion of the risk for consumption of fish collected from the UCR, thallium concentrations in sediment, surface water, and tissue were evaluated on a reach-by-reach basis (Table 6-5). For sediment, detection frequency is highest in Reach 1, and generally decreases on an up- to downstream basis. For surface water, the opposite pattern is observed; the highest detection frequency was in Reach 6 and the lowest in Reach 1. The highest measured thallium concentrations in each medium were observed in the following Reaches: sediment, Reaches 2 to 4; surface water, Reaches 4 and 5; and fish, Reach 6.

6.3.4 Uncertainty Associated with Toxicity Values

The toxicity value for thallium of 1×10^{-5} mg/kg-day is described in an appendix to a PPRTV assessment and is considered a screening toxicity value (EPA, 2012c). The available toxicity database for thallium was considered insufficient for development of a provisional RfD (p-RfD). The screening p-RfD designation reflects considerable uncertainty in the available data used to derive the screening p-RfD including critical limitations with the principal study. This is represented in the screening p-RfD as a 10-fold downward adjustment of the dose-response point of departure (in this case, a NOAEL): "a database uncertainty factor (UF_D) of 10 is applied to account for a lack of adequate developmental toxicity studies and a two-generation reproductive study, and additional uncertainty associated with the limited data available on neurotoxicity" (EPA, 2012c). The total UF represented in the screening p-RfD is a 3000-fold downward adjustment of the NOAEL (UF_D * UF_H * UF_A *UF_S). UF_H, UF_A, and UF_S are described as: "a UF_H of 10 applied to account for variation in human susceptibility in the absence of information on the variability of response to thallium in the human population; a UF_A of 10 applied for extrapolation from laboratory animals to humans since no information is available to characterize the toxicokinetic or toxicodynamic differences between experimental animals and humans; and a UF_S of 3 applied to account for extrapolation from subchronic to chronic exposure duration." Thus, risk estimates derived using the available screening-level p-RfD for thallium should be interpreted with caution. The 3000-fold UF in the screening p-RfD makes it likely that risks for exposure to thallium may be overestimated.

EPA has not derived a chronic inhalation RfC for arsenic (EPA, 2019d). ATSDR reviewed data on inorganic arsenic in 2007 and 2016 and declined to derive inhalation MRLs based on their conclusion that inhalation studies were inadequate for deriving MRLs (ATSDR 2007, 2016). Associations between exposures to air-borne inorganic arsenic and neurological effects have been reported in epidemiological studies of occupational exposures (ATSDR, 2007). However, exposure levels were highly uncertain and exposures to other neurotoxic agents (e.g., lead) confounded conclusions regarding the role of arsenic in the observed outcomes. ATSDR reported a LOAEL of 0.31 mg/m^3 for decrements in nerve conduction velocity in adult workers, who were also exposed to lead.

California EPA (OEHHA, 2008) derived a chronic inhalation reference exposure level (REL) for inorganic arsenic of 0.015 $\mu g/m^2$ by extrapolating a dose-response relationship derived from study of exposures of children to arsenic in drinking water. The REL was based on results of an epidemiological study that found evidence for decreased intellectual function in 10-year-old

children (Wasserman et al., 2004). A regression model relating decrement in Full Scale IQ predicted a 0.44 IQ point decrement per µg arsenic/L drinking water exposure, from which OEHHA calculated that a 1 point decrement in IQ would be associated with a 2.27 µg/L increase in drinking water arsenic concentration. OEHHA assigned 2.27 µg/L as a LOAEL and a calculated the corresponding LOAEL arsenic intake of 2.3 µg arsenic/day, assuming a daily intake of 1 L water/day (2.3 µg/day = 2.3 µg/L × 1 L/day). The LOAEL ingestion intake was converted to a corresponding LOAEL air concentration of 0.46 µg arsenic/m^3 assuming a breathing volume rate of 9.9 m^3/day and that 50% of the inhaled arsenic would be absorbed (0.46 µg/m^3 = 2.3 µg/day/9.9 m^3/day). The LOAEL air arsenic concertation was adjusted by a 300-fold uncertainty factor to derive the REL of 0.015 µg/m^3 (0.015 µg/m^3 = 0.46 µg/m^3/300).

6.3.5 Summary of Uncertainty in Non-Lead COPC Risk Estimates

For COPCs other than lead, the risks for surface water and sediment exposures, as well as from dermal contact with surface soil, were well below risk benchmarks. For non-lead COPCs in surface water and sediment, uncertainties are not likely to be of a magnitude or direction that would encompass risk benchmarks. For all receptor populations, risk from inhalation of air was also below risk benchmarks. For non-lead COPCs in these media, uncertainties are not likely to be of a magnitude or direction that would encompass risk benchmarks.

The primary source of risk from exposure to COPCs other than lead derives from incidental ingestion of surface soil and indoor dust by both current and future child residents, and from consumption of fish by the recreational visitor and resident with and without beach populations. In most cases, when target organ HIs >1, those HIs are generally in the range of 2 to 3. For these exposure scenarios, while non-lead risk benchmarks are exceeded for non-cancer endpoints, the magnitude of the exceedance is of less concern than higher HIs. HIs are calculated by dividing estimated daily intakes by RfDs. RfDs are derived from no effect levels divided by UFs to account for uncertainty in the measured NOAEL. There is a "margin of safety" built into the RfD values (Section 4.3). Exposures higher that the RfD or RfC may carry some risk, but an exposure above the RfD or RfC does not mean that an effect will necessarily occur. In addition, as discussed in Section 6.3.3.3, the concentrations of COPCs in fish in the UCR are either similar to or lower than concentrations in other freshwater fish in eastern Washington, and UCR fish advisories are similar to (e.g., largemouth bass, two meals/month; northern pikeminnow, do not eat; WDOH, 2020) or less restrictive than (e.g., smallmouth bass, one meal/month; WDOH, 2012) Statewide advisories.[91]

6.4 Consideration of Background

Many chemicals of concern commonly found at Superfund sites are also found in non-impacted areas. Characterizing such "background" information is important to risk managers because the CERCLA program does not clean up to concentrations below natural or anthropogenic background levels because doing so would likely result in recontamination and a return to background levels (EPA, 2002g). The contribution of background concentrations to risks associated with CERCLA releases may be useful to inform Site-specific risk management decisions for COPCs that exceed risk benchmarks. Recognizing that many of the COPCs in this HHRA may be influenced by natural (geogenic) or man-made (anthropogenic) sources, an

[91] https://www.doh.wa.gov/CommunityandEnvironment/Food/Fish/Advisories/Publications.

assessment of Site background concentration of COPCs in soil was undertaken as described below and in Appendix 4.

For this HHRA, stream sediment and soil samples collected within the UCR drainage basin as part of the National Uranium Resource Evaluation (NURE) program (Smith, 2006; Smith et al., 2013) were used as the basis for determining a Site-specific soil background estimate for COPCs (see Table 6-6). All of the data used to estimate the background concentrations were derived from stream sediment and soil samples collected by the NURE program in the Colville River, Kettle River, Lower Spokane, Sanpoil River, and UCR sub-basins of the Columbia River drainage basin (Figure 6-1).[92] The majority of the COPC results in the background dataset were determined by the Savannah River Laboratory (SRL); however, when available, the original SRL data were replaced with data provided by reanalysis of archived NURE sample material by Grossman et al. (2008) and Church et al. (2007). The NURE data included some errors in the arsenic data for sample locations in the Kettle River, Sanpoil River, and UCR sub-basins (Church, 2010); these data were replaced with data provided by Smith (2007).

Four records were removed from the background dataset because the NURE database indicated they were potentially affected by mining activities or may have contained tailings; or were located within the 100-year floodplain of the UCR.[93] Seven sample locations, all located south of the community of Marble, are within the area that had exhibited effects of SO_2 emissions on vegetation (Scheffer and Hedgcock, 1955). These data were retained in the background analysis dataset because they had no effect on estimates of the 95% upper tolerance limit for the 95th percentile of the population (UTL95-95 or 95UTL95). The only results available for cadmium and thallium are provided by the Church et al. (2007) reanalysis of the NURE archived samples from the Lower Spokane sub-basin. The background dataset does not include any results for antimony.

Potential outliers identified using the *MM* method (Yohai, 1987) had no discernable effect on the background estimates, likely due to the large sample sizes that were available for each COPC (Table 6-6). The data were also checked for spatial outliers using the local Moran I statistic (Anselin, 1995). A group of 19 sample locations with high chromium concentrations was identified in the Kettle River sub-basin (Figure 6-1). The mean and SD of the chromium concentration for the 19 locations were 467 and 441 ppm, respectively while the mean and SD for the rest of the chromium data were 47 and 46 ppm, respectively. The 19 sample locations were removed from the dataset prior to estimating the background concentration for chromium. The final background dataset consisted of 552 sample locations (Figure 6-1).

[92] The five sub-basins correspond to hydrologic unit code (HUC) 8-digit hydrologic units, while the Columbia River Drainage Basin is a HUC-4 or subregion level unit. The five sub-basins correspond to the Washington State Water Resource Inventory Areas (WRIAs) hydrologic units.

[93] One record (rec_no = 5184673) was removed from the background dataset because the sample was located within the 100-year floodplain of the UCR. Two records (rec_no = 5185476 and 5185477) were removed because the NURE data indicated they were potentially affected by mining activities (field [contamc] contained the word mining). Another record (rec_no = 5184696) was removed because the NURE database indicated the sampled material may have contained mine tailings [field [samptyp] = 99). Database fields are defined in Smith (2006).

An estimate of the UTL95-95 was used to define the background concentration for each COPC. The UTL95-95 was estimated using ProUCL version 5.1 (EPA, 2015d). Goodness-of-fit tests indicated the normal, gamma and lognormal distributions did not provide a good fit for the COPCs. The UTL95-95s were estimated using a nonparametric method based on the binomial distribution (EPA, 2015d, Equation 3-10). Non-parametric estimates of the 95% of the population distribution are also presented in Table 6-6. The 95% were estimated using the ranks (*order statistics*) of the sample data, with interpolation when needed (EPA, 2015d, Equation 3-1). Antimony data were not available from the NURE database; Table 6-6 includes a background estimate reported by ECY (2019) for antimony of 2.15 mg/kg (this value is a UTL95-90).[94]

Table 6-6 shows the background estimates for 12 metal COPCs in soil compared to both Residential Screening Levels[95] and to the soil EPCs used in this HHRA. Residential Screening Levels for this evaluation were calculated following the approach described in Section 3.2.2 for the COI screen with non-lead COPC risk benchmarks of HQ >1 and excess cancer risk $>10^{-4}$ entered into the RSL Calculator (EPA, 2019a). These Residential Screening Levels are based on full-time residential exposure to soil. The same toxicity values used in the COI screen were used for this calculation except for chromium. Toxicity values for Cr(VI) were used in the COI screen, but toxicity values for trivalent chromium were used in these RSL calculations, as the medium of interest is soil and the expected form of chromium in soil is likely trivalent (ATSDR, 2012). The trivalent chromium toxicity value is for insoluble salts. Both the assumption that trivalent chromium is the valence present in soil and the toxicity value are uncertainties. The RSL for inorganic arsenic is the noncarcinogenic screening level for a resident child. The background value for lead (35 ppm) does not include an adjustment for RBA.

Table 6-6 compares the recalculated Residential Screening Levels with the background estimates for soil COPCs. None of the estimated background concentrations for soil COPCs exceeded the recalculated Residential Screening Levels. The estimated background concentration of all soil COPCs except antimony, cadmium and nickel exceed the RBSLs calculated for the COI screen. In other words, all soil COPCs that are non-lead COPCs that contributed the most to risk would have been carried through the risk assessment if estimated soil background concentrations were available during the COI screen.

Measured concentrations of cadmium and lead exceeded estimated background concentrations in 564 and 503 of 588 residential soil DUs, and 138 and 141 of 142 ADAs, respectively (Table 6-6). Measured concentrations of arsenic and antimony also exceeded estimated background concentrations in many DUs and ADAs. The COPCs that contributed the most to calculated risk from exposure to soil in addition to arsenic and lead were thallium, manganese, cobalt, and iron. While arsenic and lead concentrations were above background levels, concentrations of thallium, manganese, cobalt, and iron were below estimated background concentrations. At Superfund sites, background concentrations are calculated as the UCL on the 95th percentile. It is expected that the majority of site-specific data will fall below background,

[94] The NURE dataset represents approximately 95% of the individual samples evaluated to estimate background in ECY (2019). This provides support for use of this dataset to derive the background estimates used in this HHRA.
[95] Residential Screening Levels are derived from EPA's tool (EPA, 2019a). It should be noted that this screening tool does not consider additivity of non-cancer effects for COPCs, nor does it sum exposure across pathways. For lead, the PRGs for P3, P5, and P8 are shown rather than the Residential Screening Level.

provided that the sampling area reflects background conditions for the target metals (Stifelman, 2020).

Figures 6-2 through 6-19 compare Site background concentration of lead in soil along with the P3, P5, and P8 PRGs for binned soil lead concentration by DU type or ADA, as well as other COPCs compared to their background concentrations. These figures illustrate the potential for background concentrations of COPCs in soil to influence risk results. For example, consideration of background soil lead concentration at the Site is unlikely to influence results based on using the P5 or P8 risk benchmark. Because the Site background soil lead concentration (35 ppm) is close to the P3 soil lead PRG (50 ppm) consideration of background may be important for risk management for that PbB target.

7 SUMMARY AND CONCLUSIONS

Exposure to chemicals of potential concern (COPCs) was evaluated for the following receptor populations:

1. Residents who contact soil in their yards and dust in their homes, who breathe air, who may eat fish from the Upper Columbia River (UCR), and who may contact UCR surface water and sediment if they have a beach on their property;
2. Outdoor workers who contact surface and subsurface sediment or beach soil at public beaches, who contact UCR surface water, and who breathe air; and
3. Recreational visitors who use the UCR for beach day trips, boating, camping, swimming and fishing and thereby contact surface sediment and beach soil at public beaches and relict floodplains, who contact UCR surface water, who breathe air, and who may eat fish harvested from the UCR.

Receptor populations are hypothetical because they are restricted to exposures to selected media and defined media intakes; therefore, they may not represent any single individual or real population, whose members engage in a broader diversity of activities and intensities (duration, frequency) than assumed for the receptor population. For example, the outdoor worker receptor is assumed to be exposed exclusively during occupational activities. However, workers may live in the area and may recreate at the UCR. The recreational visitor receptor is assumed to be exposed exclusively during intermittent visits to the Site. However, some recreators may also be residents or outdoor workers. Risks of a combined residential, occupational, and/or recreational exposure were not evaluated in this human health risk assessment (HHRA). Although a worker-resident-recreator receptor population has not been directly assessed in this HHRA, the risks for contributing exposures (work, or residence, or recreation) provide some information about risks of combined exposures. For example, if risks from residential exposure exceed risk benchmarks, then risks for the resident who works at the Site are also likely to be of concern, but not necessarily from exposures at work. If a hypothetical resident has estimated risk above benchmarks, then the risk for a hypothetical resident who works at the Site may be greater than for a resident who does not work at the Site. Risks for individual receptors should not be summed to estimate risks for “hybrid” receptors (e.g., resident-recreator-worker) because exposures from each exposure scenario do not necessarily sum (e.g., a person at work is not at home or recreating).

Risks from exposure to lead were assessed using the Integrated Exposure Uptake Biokinetic (IEUBK) Model for Lead in Children for residential and recreational exposures, the Adult Lead Methodology (ALM) for outdoor worker exposures, and the All Ages Lead Model (AALM). Risks for exposures to other COPCs were estimated using exposure pathways and parameters based on EPA guidance and Site-specific information obtained from the RecUse and Tribal Surveys. The evaluations for the Colville High Intensity Resource User (CHIRU) and Spokane Tribe of Indians (STI) populations are found in Appendices 1 and 2, respectively. Some exposure factors for these native American populations differed from those used in the body of this HHRA.

For this HHRA, the risk evaluation benchmarks selected for elevated lead risk were defined as >5% probability of exceeding a blood lead concentration (PbB) of 3, 5, or 8 µg/dL (referred to as "P3," "P5," and "P8," respectively). These benchmarks are within the risk range of child PbBs associated with adverse health effects (2-8 µg/dL) cited in the 2016 Office of Land and Emergency Management (OLEM) Soil Lead Directive (EPA, 2016a). (See Section 4 for more information on the adverse health effects associated with these lead risk benchmarks). The IEUBK model cannot be used with a risk benchmark of 2 µg/dL because with default parameter values and assuming no lead in soil (0 ppm), the IEUBK model will calculate more than 5% probability that PbB will be >2 µg/dL (that is to say that the P2 risk goal is exceeded if the soil lead concentration is 0 ppm). The estimated background soil lead concentration for this Site is approximately 35 ppm (Appendix 4). P3 was selected as a lead risk benchmark to quantitatively evaluate the low end of the risk range of child PbBs associated with adverse health effects.

The IEUBK model was used to derive Preliminary Remediation Goals (PRGs) for residential soil lead exposures for each of the three risk benchmarks as follows:

- Utilizing the IEUBK model, a 5% probability of exceeding a PbB of 3 µg/dL was associated with a soil concentration of approximately 50 ppm lead
- Utilizing the IEUBK model, a 5% probability of exceeding a PbB of 5 µg/dL was associated with a soil concentration of approximately 200 ppm lead
- Utilizing the IEUBK model, a 5% probability of exceeding a PbB of 8 µg/dL was associated with a soil concentration of approximately 400 ppm lead

The PRGs associated with each of these risk benchmarks is based on an assumed default RBA of 60% for lead. Site-specific *in vitro* bioavailability (IVBA) information was used to derive RBA-adjusted lead concentrations for samples collected on-Site, which allows direct comparison with these PRGs.

Because the IEUBK model requires a complete exposure scenario, the user must input a residential soil concentration even when the exposure pathway of interest (i.e., exposure to beach sediment) is not residential. Exposure of children to lead in sediment at residential beaches, public beaches, and relict floodplains (beach soil) was therefore assessed using the time-weighted approach recommended by EPA (2003a). This approach used Site-specific exposure frequency information to apportion exposure between the beach sediment/soil or relict floodplain soil and the soil at the "residence." The residential soil exposure point concentration (EPC) used for lead in this approach was either the average of the lead concentration in the house decision unit (DU) (or the nearest appropriate DU or DUs) on that property (for residential beaches), or the average residential soil EPC for the study area (129 mg/kg; for residential beaches with no associated "house" DU, for public beaches, and for relict floodplains). Surface water exposure (i.e., incidental ingestion of surface water while swimming) and exposure from consuming fish harvested from the UCR were assessed as additional exposures to lead that would occur while recreating at a public or private beach.

For media other than soil, sediment, and surface water, lead risk may be considered in terms of how exposure to the medium (i.e., fish consumption) contributes to lead intake given a selected concentration of lead in residential soil. The IEUBK model predicts that lead intakes of at least

1 µg Pb/day[96] are needed to decrease the soil PRG by 10%. For example, the P5 soil PRG would decrease from approximately 200 ppm to approximately 180 ppm when lead intake from fish consumption increases from 0 to 1 µg Pb/day. In this HHRA, risk from exposures that were predicted to contribute <1 µg lead intake per day (i.e., fish consumption), which would change the PRG by <10%, were classified as minimal.

Risks from exposure to non-lead COPCs were estimated using exposure pathways and parameters based on EPA guidance and Site-specific information. Risks were estimated two ways for each receptor: using high-end exposure parameters (termed the "Reasonable Maximum Exposure" [RME]) and using mean or average values for exposure parameters (termed the "Central Tendency Exposure" [CTE]). Risk benchmarks used in this HHRA for non-lead COPCs were as follows: a non-cancer hazard quotient (HQ) >1 or an excess cancer risk $>10^{-4}$ for individual COPCs (EPA, 1997). HQs for individual COPCs were also summed across COPCs within an exposure pathway, and across exposure pathways for a specific exposure scenario, to calculate a hazard index (HI). The risk benchmark for non-cancer hazard based on the HI was HI >1. As recommended in Exhibits 8-2 and 8-3 of EPA's *Risk Assessment Guidance for Superfund Volume I Human Health Evaluation Manual, Part A* (EPA, 1989), final risk results were presented as one significant digit and compared to benchmarks. Intermediate calculations retained additional digits to minimize rounding errors. The following are examples of how calculated results were reported as one significant digit and then compared to the non-cancer benchmark of 1:

- Calculated result of 0.92 was reported as 0.9 – it does not exceed benchmark
- Calculated result of 0.96 was reported as 1 – it does not exceed benchmark
- Calculated result of 1.3 was reported as 1 – it does not exceed benchmark
- Calculated result of 1.5 was reported as 2 – it exceeds benchmark

The assumption of dose additivity in the HI approach is most relevant to chemicals that induce the same effect by the same mode of action. If an HI >1 because of summing several HQs across pathways, then the chemicals can be segregated by effect and mode of action, and an HI can be calculated for each target organ group (EPA, 1989). Target organ HIs were calculated in this HHRA for receptors and pathways where the HI >1 if summed across COPCs within an exposure pathway, or across exposure pathways for a specific exposure scenario. The risk benchmark for non-cancer hazard based on target organ HIs was HI >1. Cancer risks were summed across a lifetime to calculate a time-weighted average (TWA) cancer risk. The risk benchmark for TWA excess cancer risk was $>10^{-4}$.

Risks for the resident, recreational visitor, and outdoor worker populations are summarized below.[97]

[96] Assuming 30% absolute bioavailability (ABA).
[97] Risks from exposure to lead and non-lead COPCs by the CHIRU and STI populations may be found in Appendices 1 and 2, respectively.

Current Resident Population (Not Beach DUs)

The current resident population was evaluated for exposure to outdoor soil and indoor dust, outdoor and indoor air, and consumption of fish caught from the UCR (evaluated for each species individually). This was done on a DU-by-DU basis (i.e., conservatively assuming that the resident lived full-time on that DU). Table 7-1 summarizes the number of DUs that exceeded risk benchmarks for both non-lead and lead COPCs for the current resident population without a beach on the property.

Lead
Of 588 residential DUs evaluated, 389 DUs exceeded the lead benchmark of P3 (66%), 87 DUs exceeded P5 (15%), and 12 exceeded P8 (2%), not including the consumption of fish from the UCR (see Figures 5-1 through 5-3). Consuming fish from the UCR may pose an additional lead risk to current residents.

COPCs Other Than Lead
For the non-lead evaluation, exposures from each pathway were summed to evaluate both cancer and non-cancer effects to the current residential population (without a beach) as a whole. When cancer risk was summed across a lifetime and across exposure pathways for the current residential population (without beaches on their property), no DUs exceeded the cancer risk benchmark of 10^{-4} for either the RME or CTE scenario.

For the non-cancer evaluation for the current adult resident population, no exposure pathway on its own resulted in exceedances of target organ risk benchmarks under either the RME or CTE scenario. When these pathways were summed to look at total exposure to current adult residents without beaches on their property, one house DU had a target organ HI >1 for the skin/hair/nails system when the fish species consumed was walleye (this DU also exceeded the lead risk benchmark of P8), and all 588 DUs had non-cancer target organ HIs >1 for the nervous system when the fish consumed was sucker (see Figure 5-10). These exceedances occurred under the RME exposure scenario; consumption of all other fish species evaluated did not result in non-cancer benchmark exceedances. When CTE exposure conditions were assumed, no DUs exceeded non-cancer benchmarks for current adult residents (without beaches).

For the non-cancer evaluation for the current child resident population, inhalation of outdoor and indoor air and consumption of northern pike or sturgeon, as individual exposure pathways, did not result in exceedance of non-cancer benchmarks at any residential DUs under either RME or CTE scenarios. For the exposure to soil/dust pathway, one house DU had a target organ HI >1 for the skin/hair/nails system with RME exposure assumptions but did not exceed benchmarks with CTE exposure assumptions. This house DU exceeds the lead risk benchmark of P8 as well, as shown in Figure ES-1.

Under the RME scenario for the fish consumption pathway for the current child resident population, consumption of burbot resulted in target organ HIs >1 for the developmental and nervous systems; consumption of kokanee or rainbow trout resulted in the skin/hair/nails target organ system HI >1; consumption of smallmouth bass or walleye resulted in target organ HIs >1 for the developmental, nervous, and skin/hair/nails systems; sucker consumption resulted in developmental, nervous, and reproductive target organ system HIs >1; and consumption of

whitefish resulted in target organ HIs >1 for the reproductive and skin/hair/nails systems. None of these fish consumption exposure pathways resulted in exceedance of non-cancer benchmarks under CTE exposure assumptions. When the exposure pathways were summed together under the RME scenario for the current child resident population, at least some residential DUs had non-cancer target organ HIs >1 for each fish species consumed:

- Consumption of sucker: 588 DUs had HI >1 for developmental, nervous, and reproductive target organ systems; 578 DUs had HI >1 for skin/hair/nails target organ system (see Figure 5-15)
- Consumption of walleye: 588 DUs had HI >1 for developmental, nervous, and skin/hair/nails target organ systems; 9 DUs had HI >1 for endocrine system; 2 DUs had HI >1 for cardiovascular system (see Figure 5-16)
- Consumption of smallmouth bass: 588 DUs had HI >1 for developmental, nervous, and skin/hair/nails target organ systems
- Consumption of whitefish: 588 DUs had HI >1 for nervous, reproductive, and skin/hair/nails target organ systems
- Consumption of burbot: 588 DUs had HI >1 for developmental and nervous target organ systems; 43 DUs had HI >1 for skin/hair/nails target organ system (see Figure 5-11)
- Consumption of northern pike: 588 DUs had HI >1 for nervous and skin/hair/nails target organ systems
- Consumption of rainbow trout: 588 DUs had HI >1 for skin/hair/nails target organ system; 577 DUs had HI >1 for nervous system (see Figure 5-13)
- Consumption of kokanee: 588 DUs had HI >1 for skin/hair/nails target organ system; 219 DUs had HI >1 for nervous system (see Figure 5-12)
- Consumption of sturgeon: 588 DUs had HI >1 for nervous system; 18 DUs had HI >1 for skin/hair/nails target organ system (see Figure 5-14)

The major contributor to skin/hair/nails target organ risk was thallium, and the major contributor to developmental and nervous system target organ risk was methylmercury.

Under CTE exposure assumptions, when all exposure pathways were summed, no target organ HIs exceeded 1 when the fish species consumed was burbot, northern pike, rainbow trout, smallmouth bass, sturgeon, sucker, or whitefish. Target organ HIs were >1 at one house DU for the skin/hair/nails system when the fish consumed was kokanee or walleye (see Figure 5-17). This DU exceeded the lead risk benchmark of P8.

Current Resident Population (Beach DUs)

The current resident-with-beach population was evaluated at 21 residential beaches sampled in 2014 and 2016 for exposure to outdoor soil and indoor dust, surface sediment, UCR surface water, outdoor and indoor air, and consumption of fish caught from the UCR (by individual fish species). Table 7-2 summarizes the number of DUs that exceeded risk benchmarks for both non-lead and lead COPCs for the current resident population with a beach on the property without including consumption of fish. For COPCs other than lead, fish consumption drives the non-

cancer risk results, and the major contributors to the increased risk from fish ingestion were methylmercury, thallium, and total TEQ. Beach sediment is less contaminated than soil.

Lead

Of 21 residential beach DUs evaluated, 19 exceeded the lead risk benchmark of P3, and 5 exceeded P5 not including consumption of local fish (see Figure 5-7). No residential beach DUs exceeded P8. Consuming fish from the UCR may pose an additional risk to current residents with beaches (see Appendix 5).

COPCs Other Than Lead

For the non-lead evaluation, exposures from each pathway were summed to evaluate both cancer and non-cancer effects to the current residential population (with a beach) as a whole, by beach DU. When cancer risk was summed across a lifetime and across exposure pathways for the residential population, no residential beach DUs exceeded the cancer risk benchmark for either the RME or CTE scenario.

For the non-cancer evaluation for the current adult resident population (with residential beaches), no exposure pathway on its own resulted in exceedances of target organ risk benchmarks under either the RME or CTE scenario. When these pathways were summed to look at total exposure to current adult residents with beaches on their property, all residential beach DUs had non-cancer target organ HIs >1 for the nervous system when the fish consumed was sucker. These exceedances occurred under the RME exposure scenario, and the major contributor to risk was methylmercury. Consumption of all other fish species evaluated did not result in non-cancer benchmark exceedances. When CTE exposure conditions were assumed, no DUs exceeded non-cancer benchmarks at any residential beach DU.

For non-cancer evaluation of the current child resident-with-beach population, the only individual exposure pathways with target organ HIs >1 under the RME scenario were consumption of individual fish species other than northern pike and sturgeon. Consumption of burbot resulted in target organ HIs >1 for the developmental and nervous systems; consumption of kokanee or rainbow trout resulted in the skin/hair/nails target organ system HI >1; consumption of smallmouth bass or walleye resulted in target organ HIs >1 for the developmental, nervous, and skin/hair/nails systems; sucker consumption resulted in developmental, nervous, and reproductive target organ system HIs >1; and consumption of whitefish resulted in target organ HIs >1 for the reproductive and skin/hair/nails systems. None of these fish consumption exposure pathways resulted in exceedance of non-cancer benchmarks under CTE exposure assumptions. When all exposure pathways (air, water, sediment, soil/dust, and fish) were summed together for the child resident with a beach, all 21 residential beach DUs had non-cancer target organ HIs >1 under RME assumptions for:

- The nervous system for consumption of all individual fish species except kokanee and rainbow trout. Twenty residential beach DUs had HIs >1 for consumption of rainbow trout.
- The developmental system for consumption of burbot, smallmouth bass, sucker, and walleye
- The reproductive system for consumption of sucker and whitefish

- The skin/hair/nails system for consumption of kokanee, northern pike, rainbow trout, smallmouth bass, sucker, walleye, and whitefish. One residential beach DU also had HI >1 for the skin/hair/nails system for consumption of burbot and sturgeon.

For the CTE scenario, no target organ HIs were >1 for children at residential beach DUs when exposure pathways were summed.

Potential Future Resident Population

The potential future resident population was evaluated for exposure to outdoor soil and indoor dust, outdoor and indoor air, and consumption of fish caught from the UCR (evaluated as individual fish species). This was done on an aerial deposition area (ADA)-by-ADA basis (i.e., conservatively assuming that the potential future resident lived full-time on that ADA). Table 7-3 summarizes the number of ADAs that exceeded risk benchmarks for both non-lead and lead COPCs for the potential future resident population.

Lead
Of 142 upland ADAs evaluated, 139 ADAs exceeded the lead benchmark of P3 (98%), 68 ADAs exceeded P5 (48%), and 15 exceeded P8 (11%) not including consumption of UCR fish (see Figures 5-4 through 5-6). Consuming fish from the UCR may pose an additional risk to potential future residents (see Appendix 5).

COPCs Other Than Lead
For the non-lead evaluation, exposures from each pathway were summed to evaluate both cancer and non-cancer effects to the potential future residential population as a whole. When cancer risk was summed across a lifetime and across exposure pathways for the potential future residential population, no ADAs exceeded the cancer risk benchmark of 10^{-4} for either the RME or CTE scenario.

For the non-cancer evaluation for the adult future resident population, no exposure pathway on its own resulted in exceedances of target organ risk benchmarks under either the RME or CTE scenario. When these pathways were summed to look at total exposure to future adult residents, all 142 ADAs had non-cancer target organ HIs >1 for the nervous system when the fish consumed was sucker. These exceedances occurred under the RME exposure scenario; the major contributor to risk was methylmercury. Consumption of all other fish species evaluated did not result in non-cancer benchmark exceedances. When CTE exposure conditions were assumed, no DUs exceeded non-cancer benchmarks for potential future adult residents.

For the non-cancer evaluation for the future child resident population, inhalation of outdoor and indoor air and consumption of northern pike or sturgeon, as individual exposure pathways, did not result in exceedance of non-cancer benchmarks at any ADAs under either RME or CTE scenarios. For the exposure to soil/dust pathway, two ADAs had a target organ HI >1 for the skin/hair/nails system with RME exposure assumptions but did not exceed benchmarks with CTE exposure assumptions. These two ADAs exceed the lead risk benchmark of P8 as well, as shown in Figure ES-2.

Under the RME scenario for the fish consumption pathway for the future child resident population, consumption of burbot resulted in target organ HIs >1 for the developmental and nervous systems; consumption of kokanee or rainbow trout resulted in the skin/hair/nails target organ system HI >1; consumption of smallmouth bass or walleye resulted in target organ HIs >1 for the developmental, nervous, and skin/hair/nails systems; sucker consumption resulted in developmental, nervous, and reproductive target organ system HIs >1; and consumption of whitefish resulted in target organ HIs >1 for the reproductive and skin/hair/nails systems. None of these fish consumption exposure pathways resulted in exceedance of non-cancer benchmarks under CTE exposure assumptions. When the exposure pathways were summed together under the RME scenario, at least some ADAs had non-cancer target organ HIs >1 for each fish species consumed:

- Consumption of sucker: 142 ADAs had HI >1 for developmental, nervous, reproductive, and skin/hair/nails target organ systems
- Consumption of walleye: 142 ADAs had HI >1 for developmental, nervous, and skin/hair/nails target organ systems; 3 ADAs had HI >1 for the endocrine target organ system; 1 ADA had HI >1 for the cardiovascular system (see Figure 5-21)
- Consumption of smallmouth bass: 142 ADAs had HI >1 for developmental, nervous, and skin/hair/nails target organ systems
- Consumption of whitefish: 142 ADAs had HI >1 for nervous, reproductive, and skin/hair/nails target organ systems
- Consumption of burbot: 142 ADAs had HI >1 for developmental and nervous target organ systems; 55 ADAs had HI >1 for skin/hair/nails target organ system (see Figure 5-18)
- Consumption of northern pike and rainbow trout: 142 ADAs had HI >1 for nervous and skin/hair/nails target organ systems
- Consumption of kokanee: 142 ADAs had HI >1 for skin/hair/nails target organ system; 122 ADAs had HI >1 for nervous system (see Figure 5-19)
- Consumption of sturgeon: 142 ADAs had HI >1 for nervous system; 21 ADAs had HI >1 for skin/hair/nails target organ system (see Figure 5-20)

The major non-lead contributors to risk were methylmercury (developmental and nervous systems), thallium (skin/hair/nails system), and dioxins and dioxin-like PCBs (reproductive system).

Under CTE exposure assumptions for the future child resident, when all exposure pathways were summed, no target organ HIs were >1 when the fish species consumed was burbot, kokanee, northern pike, rainbow trout, smallmouth bass, sturgeon, or whitefish. Target organ HIs were >1 at two ADAs for the nervous system when the fish consumed was sucker, and one ADA had a target organ HI >1 for the skin/hair/nails system when walleye was the fish species consumed (see Figure 5-22). One of the ADAs with nervous system HI >1 when sucker was consumed exceeded the lead risk benchmark of P8, and the other ADA exceeded the lead risk benchmark of P3. The ADA with the skin/hair/nails HI >1 when walleye was consumed exceeded the lead risk

benchmark of P8. The major non-lead contributors to risk were methylmercury (developmental, nervous system) and thallium (skin/hair/nails).

Recreational Visitor Population

The adult and child recreational visitor population was evaluated for exposure on beach day trips, boating and camping trips to UCR surface water, outdoor air, public beach surface sediment or beach surface soil, relict floodplain surface soil, and consumption of fish caught in the UCR (evaluated by individual species).

Lead

For day trips to public beaches, the lead risk benchmark of P3 was exceeded at all public beaches with or without consumption of fish. Lead results for individual fish species are presented in Appendix 5. The P5 benchmark was only exceeded at Bossburg Flat Beach (based on 2011 sampling and 2013 reanalysis data) with or without fish consumption. No public beaches exceeded P8. These lead results are the same for boating and camping trips as well. Consuming fish from the UCR may pose an additional lead risk to recreational visitors. For beach day trips, camping and boating trips to Bossburg Flat Beach and exposure to surface soil in upland DUs (UDUs), all UDUs exceeded P3 and one UDU exceeded P5 and P8 with or without consumption of UCR fish. For relict floodplains, with or without UCR fish consumption, all relict floodplain deposition areas (RFDAs) exceeded the lead risk benchmark of P3, and no RFDAs exceed P5 or P8.

COPCs Other Than Lead

For the non-lead evaluation, exposures from each pathway were summed to evaluate both cancer and non-cancer effects to the recreational visitor population as a whole. When cancer risk was summed across a lifetime and across exposure pathways for the recreational visitor population, no public beaches or relict floodplains exceeded the cancer risk benchmark regardless of trip type for both the RME and CTE scenarios.

For the non-cancer evaluation for the adult recreational visitor population, no exposure pathway on its own resulted in exceedances of target organ risk benchmarks under either the RME or CTE scenario. When these pathways were summed to look at total exposure to adult recreational visitors, there were no target organ HIs >1 at any public beach, SDU, RFDA, or UDU for the RME and CTE scenarios, regardless of trip type.

The only individual exposure pathway that exceeded non-cancer risk benchmarks under the RME scenario for target organ HIs for the child recreational visitor population was the consumption of fish species except northern pike and sturgeon. For the RME scenario, consumption of fish species resulted in non-cancer target organ HIs >1 for the following systems at each public beach, SDU, RFDA, and UDU for each trip type:

- Developmental system: burbot, smallmouth bass, sucker, and walleye
- Nervous system: burbot, smallmouth bass, sucker, and walleye
- Reproductive system: sucker and whitefish
- Skin/hair/nails system: kokanee, rainbow trout, smallmouth bass, walleye, and whitefish

When exposure pathways were summed, there were no target organ HIs >1 at any public beach, SDU, relict floodplain, or UDU (regardless of trip type) for the child recreational visitor, under RME exposure assumptions, when the fish species consumed was northern pike or sturgeon. There were non-cancer target organ HIs >1 under the RME scenario at each public beach, SDU, relict floodplain, or UDU (regardless of trip type) for the developmental, nervous, reproductive, and skin/hair/nails system for the child recreational visitor consuming the following species:

- Developmental system: burbot, smallmouth bass, sucker, and walleye
- Nervous system: burbot, smallmouth bass, sucker, and walleye
- Reproductive system: sucker and whitefish
- Skin/hair/nails system: kokanee, rainbow trout, smallmouth bass, walleye, and whitefish

The major non-lead contributors to risk were methylmercury (developmental and nervous systems), thallium (skin/hair/nails system), and dioxins and dioxin-like PCBs (reproductive system).

For the CTE scenario, none of the exposure pathways evaluated had target organ HIs >1 for child recreational visitors at any public beach, SDU, RFDA, or UDU (regardless of trip type). No target organ HIs >1 at any public beach, SDU, RFDA, or UDU for child recreational visitors when exposure was summed across pathways, regardless of trip type.

Outdoor Worker Population

The adult outdoor worker population was evaluated for exposure to surface and subsurface sediment or soil at public beaches, UCR surface water, and outdoor air. This included each public beach sampled in 2009-2011, 2013, and 2015.

Lead
Subsurface sediment or soil exposure at public beaches exceeded P3 at three exposure areas at Bossburg Flat Beach and did not exceed P5 or P8.

COPCs Other Than Lead
Under both the RME and CTE scenario, non-cancer target organ HIs did not exceed the non-cancer benchmark of 1 at any public beach for the outdoor worker population. Cancer risks summed across exposure pathways were below the cancer risk benchmark of 10^{-4} at all public beaches evaluated.

Conclusions

This HHRA evaluated risks under the assumption that no additional steps are taken to remediate the environment or to reduce human contact with contaminated environmental media. The following conclusions are supported by this HHRA:

1. The main chemical contributing to risk in sediment was lead.

2. For lead, exposure to residential and upland soil was the dominant contributor to risk. The number of DUs and ADAs exceeding lead risk benchmarks are provided in Table 7-4.
3. For non-lead COPCs, exposure to residential and upland soil, air, and fish, summed across exposure pathways, resulted in target organ HIs >1. Fish consumption was the largest contributor to risk when aggregated by target organ. The major contributors to risk from ingestion of fish were methylmercury (developmental, nervous system), thallium (skin/hair/nails system), and dioxins and dioxin-like PCBs (reproductive system). Measured concentrations of COPCs in fish collected from the UCR are similar to concentrations measured in other locations in the northeastern portion of Washington and in Idaho. UCR fish advisories are similar to (largemouth bass, 2 meals per month; northern pikeminnow, do not eat; WDOH, 2020) or less restrictive than (smallmouth bass, 1 meal per month, WDOH, 2012) Statewide advisories.[98] When only soil/dust exposure was evaluated, no DUs or ADAs had non-cancer target organ benchmark exceedances for adult residents (current or potential future). For child residents, one house DU (current resident) and two ADAs (future resident) had HIs >1 for the skin/hair/nails target organ system.
4. Risks associated with exposure to sediment and surface water in isolation were significantly lower than for other exposure pathways.
5. For lead, the only public beach exceeding P5 was Bossburg Flat Beach. One UDU at Bossburg Flat Beach >P8 for recreational exposure.
6. For lead, consumption of fish from the UCR was not a major contributor to risk; however, consuming fish from the UCR can increase lead exposure. Avoiding consumption of suckers can reduce exposure to lead when harvesting fish from the UCR for consumption.
7. Consideration of background soil concentration lead will influence P3 results, but not P5 or P8 results. Background soil lead levels are estimated to be 35 ppm, which is 70% of (or similar to) the PRG associated with P3 (50 ppm).
8. For workers, the only public beach subsurface sediment that exceeded risk benchmarks were two Bossburg Flat Beach UDUs (these exceeded P3, but not P5 or P8).
9. The main chemical contributors to risk in soil were lead and arsenic; in many DUs and ADAs, their measured concentrations exceeded estimated background concentrations. Other COPCs that contributed to calculated risk from exposure to soil were thallium, manganese, cobalt, and iron; they were measured below estimated background concentrations in many DUs.
10. Exposure to Site-related COPCs in air has been a public concern at the Site because of the source of contamination. However, as discussed in detail in the body of the report, exposure to COPCs via the air pathway alone did not exceed risk benchmarks for lead, non-cancer effects from other chemicals, or cancer. The concentration of lead in UCR air is an order of magnitude lower than the default air lead concentration in the IEUBK model. The last Site-specific air data were collected in 2009 at one location near

[98] https://www.doh.wa.gov/CommunityandEnvironment/Food/Fish/Advisories/Publications

Northport. However, emissions from the Trail, BC, Canada smelter as reported to the Canadian National Pollutant Release Inventory from 2002 to 2017 show that while individual metals may be emitted at varying rates, aerial emissions of arsenic and lead are generally lower than in years prior to 2009.

11. The HHRA results are believed to be sound and appropriate to support remedy selection and risk management.

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Table ES-1. Summary of Residential Soil Exposure Areas that Exceeded Risk Benchmarks for Both Lead and Non-Lead COPCs for the Current Residential (Non-Beach DUs) Child Population when Risks are Summed Across Pathways

	Total # of DUs with HI >1 (non-lead analysis)	**# of Exposure Areas > P3 (~50 ppm Pb in soil)**	**# of Exposure Areas > P5 (~200 ppm Pb in soil)**	**# of Exposure Areas > P8 (~400 ppm Pb in soil)**
Lead (not including fish consumption)[a]	Not applicable	389 of 588 residential DUs	87 of 588 residential DUs	12 of 588 residential DUs
			# of DUs that Exceed both Lead and Non-Lead Benchmarks	
COPCs other than Lead (burbot consumption, RME)	• 588 of 588 (developmental and nervous systems) • 43 of 588 (skin/hair/nails system)	• 389 (developmental and nervous systems) • 42 (skin/hair/nails system)	• 87 (developmental and nervous systems) • 39 (skin/hair/nails system)	• 12 (developmental and nervous systems) • 12 (skin/hair/nails system)
COPCs other than lead (kokanee consumption, RME)	• 219 of 588 (nervous system) • 588 of 588 (skin/hair/nails system)	• 176 (nervous system) • 389 (skin/hair/nails system)	• 44 (nervous system) • 87 (skin/hair/nails system)	• 7 (nervous system) • 12 (skin/hair/nails system)
COPCs other than lead (northern pike consumption, RME)	• 588 of 588 (nervous and skin/hair/nails systems)	• 389 (nervous and skin/hair/nails systems)	• 87 (nervous and skin/hair/nails systems)	• 12 (nervous and skin/hair/nails systems)
COPCs other than lead (rainbow trout consumption, RME)	• 577 of 588 (nervous system) • 588 of 588 (skin/hair/nails system)	• 383 (nervous system) • 389 (skin/hair/nails system)	• 83 (nervous system) • 87 (skin/hair/nails system)	• 12 (nervous system) • 12 (skin/hair/nails system)
COPCs other than lead (smallmouth bass consumption, RME)	• 588 of 588 (developmental, nervous, and skin/hair/nails systems)	• 389 (developmental, nervous, and skin/hair/nails systems)	• 87 (developmental, nervous, and skin/hair/nails systems)	• 12 (developmental, nervous, and skin/hair/nails systems)
COPCs other than lead (sturgeon consumption, RME)	• 588 of 588 (nervous system) • 18 of 588 (skin/hair/nails system)	• 389 (nervous system) • 17 (skin/hair/nails system)	• 87 (nervous system) • 17 (skin/hair/nails system)	• 12 (nervous system) • 11 (skin/hair/nails system)

Table ES-1. Summary of Residential Soil Exposure Areas that Exceeded Risk Benchmarks for Both Lead and Non-Lead COPCs for the Current Residential (Non-Beach DUs) Child Population when Risks are Summed Across Pathways

	Total # of DUs with HI >1 (non-lead analysis)	**# of Exposure Areas > P3 (~50 ppm Pb in soil)**	**# of Exposure Areas > P5 (~200 ppm Pb in soil)**	**# of Exposure Areas > P8 (~400 ppm Pb in soil)**
COPCs other than lead (sucker consumption, RME)	• 588 of 588 (developmental, nervous, and reproductive systems) • 578 of 588 (skin/hair/nails system)	• 389 (developmental, nervous, and reproductive systems) • 389 (skin/hair/nails system)	• 87 (developmental, nervous, and reproductive systems) • 87 (skin/hair/nails system)	• 12 (developmental, nervous, and reproductive systems) • 12 (skin/hair/nails system)
COPCs other than lead (walleye consumption, RME)	• 2 of 588 (cardiovascular system) • 588 of 588 (developmental, nervous, and skin/hair/nails systems) • 9 of 588 (endocrine system)	• 2 (cardiovascular system) • 389 (developmental, nervous, and skin/hair/nails systems) • 5 (endocrine system)	• 2 (cardiovascular system) • 87 (developmental, nervous, and skin/hair/nails systems) • 1 (endocrine system)	• 2 (cardiovascular system) • 12 (developmental, nervous, and skin/hair/nails systems)
COPCs other than lead (whitefish consumption, RME)	• 588 of 588 (nervous, reproductive, and skin/hair/nails systems)	• 389 (nervous, reproductive, and skin/hair/nails systems)	• 87 (nervous, reproductive, and skin/hair/nails systems)	• 12 (nervous, reproductive, and skin/hair/nails systems)

[a]Estimates of lead results by fish species are shown in Appendix 5.

Table ES-2. Summary of Residential Beach Exposure Areas that Exceeded Risk Benchmarks for Both Lead and Non-Lead COPCs for the Current Residential (Beach DUs) Child Population, not Including Fish Consumption[a]

	# of Exposure Areas > P3	**# of Exposure Areas > P5**	**# of Exposure Areas > P8**
Lead	19 of 21 residential beach DUs	5 of 21 residential beach DUs	None
COPCs other than Lead (RME)	None	None	None

[a]Estimates of lead results by fish species are shown in Appendix 5.

Table ES-3. Summary of Upland Soil Exposure Areas that Exceeded Risk Benchmarks for Both Lead and Non-Lead COPCs for the Future Residential Child Population when Risks are Summed Across Pathways

	Total # of ADAs with HI >1 (non-lead analysis)	**# of Exposure Areas > P3 (~50 ppm Pb in soil)**	**# of Exposure Areas > P5 (~200 ppm Pb in soil)**	**# of Exposure Areas > P8 (~400 ppm Pb in soil)**
Lead (not including fish consumption)[a]	Not applicable	139 of 142 upland ADAs	68 of 142 upland ADAs	15 of 142 upland ADAs
		# of ADAs that Exceed both Lead and Non-Lead Benchmarks		
COPCs other than Lead (burbot consumption, RME)	• 142 of 142 (developmental and nervous systems) • 55 of 142 (skin/hair/nails system)	• 139 (developmental and nervous systems) • 55 (skin/hair/nails system)	• 68 (developmental and nervous systems) • 51 (skin/hair/nails system)	• 15 (developmental and nervous systems) • 15 (skin/hair/nails system)
COPCs other than lead (kokanee consumption, RME)	• 122 of 142 (nervous system) • 142 of 142 (skin/hair/nails system)	• 119 (nervous system) • 139 (skin/hair/nails system)	• 60 (nervous system) • 68 (skin/hair/nails system)	• 13 (nervous system) • 15 (skin/hair/nails system)
COPCs other than lead (northern pike consumption, RME)	• 142 of 142 (nervous and skin/hair/nails systems)	• 139 (nervous and skin/hair/nails systems)	• 68 (nervous and skin/hair/nails systems)	• 15 (nervous and skin/hair/nails systems)
COPCs other than lead (rainbow trout consumption, RME)	• 142 of 142 (nervous and skin/hair/nails systems)	• 139 (nervous and skin/hair/nails systems)	• 68 (nervous and skin/hair/nails systems)	• 15 (nervous and skin/hair/nails systems)
COPCs other than lead (smallmouth bass consumption, RME)	• 142 of 142 (developmental, nervous, and skin/hair/nails systems)	• 139 (developmental, nervous, and skin/hair/nails systems)	• 68 (developmental, nervous, and skin/hair/nails systems)	• 15 (developmental, nervous, and skin/hair/nails systems)
COPCs other than lead (sturgeon consumption, RME)	• 142 of 142 (nervous system) • 21 of 142 (skin/hair/nails system)	• 139 (nervous system) • 21 (skin/hair/nails system)	• 68 (nervous system) • 21 (skin/hair/nails system)	• 15 (nervous system) • 13 (skin/hair/nails system)

Table ES-3. Summary of Upland Soil Exposure Areas that Exceeded Risk Benchmarks for Both Lead and Non-Lead COPCs for the Future Residential Child Population when Risks are Summed Across Pathways

	Total # of ADAs with HI >1 (non-lead analysis)	**# of Exposure Areas > P3 (~50 ppm Pb in soil)**	**# of Exposure Areas > P5 (~200 ppm Pb in soil)**	**# of Exposure Areas > P8 (~400 ppm Pb in soil)**
COPCs other than lead (sucker consumption, RME)	• 142 of 142 (developmental, nervous, reproductive, and skin/hair/nails systems)	• 139 (developmental, nervous, reproductive, and skin/hair/nails systems)	• 68 (developmental, nervous, reproductive, and skin/hair/nails systems)	• 15 (developmental, nervous, reproductive, and skin/hair/nails systems)
COPCs other than lead (walleye consumption, RME)	• 1 of 142 (cardiovascular system) • 142 of 142 (developmental, nervous, and skin/hair/nails systems) • 3 of 142 (endocrine system)	• 1 (cardiovascular system) • 139 (developmental, nervous, and skin/hair/nails systems) • 3 (endocrine system)	• 1 (cardiovascular system) • 68 (developmental, nervous, and skin/hair/nails systems)	• 1 (cardiovascular system) • 15 (developmental, nervous, and skin/hair/nails systems)
COPCs other than lead (whitefish consumption, RME)	• 142 of 142 (nervous, reproductive, and skin/hair/nails systems)	• 139 (nervous, reproductive, and skin/hair/nails systems)	• 68 (nervous, reproductive, and skin/hair/nails systems)	• 15 (nervous, reproductive, and skin/hair/nails systems)

[a]Estimates of lead risk by fish species are shown in Appendix 5.

Table 2-1. Public Water Systems, Groundwater Wells, and Springs within Five Miles of UCR/Lake Roosevelt Shoreline

PWS ID	System Name	Group	System Type	County	Source Type	Use
SPRINGS						
NP280	FORT SPOKANE CAMPGROUND	A	Transient Non-Community	LINCOLN	Spring	Permanent
4490	Upper Columbia RV Park & Campground	A	Transient Non-Community	STEVENS	Spring	Permanent
34737	BISBEE ACRES WATER ASSOCIATION	B	Group B	FERRY	Spring	Permanent
75825	SAN POIL BAY IMPROVEMENT ASSN INC	B	Group B	FERRY	Spring	Emergency
2190	TOWNSHIP CREEK WATER SYSTEM	B	Group B	FERRY	Spring	Permanent
41164	BROUGHER RANCH INC	B	Group B	LINCOLN	Spring	Permanent
26090	FORT SPOKANE STORE	B	Group B	LINCOLN	Spring	Permanent
17710	DAISY WATER SYSTEM	B	Group B	STEVENS	Spring	Permanent
26810	FRUITLAND WATER ASSN	B	Group B	STEVENS	Spring	Permanent
1649	MARBLE WATER SYSTEM	B	Group B	STEVENS	Spring	Permanent
18451	MY PARENTS ESTATE	B	Group B	STEVENS	Spring	Permanent
89080	TRAILS WEST SUBDIVISION	B	Group B	STEVENS	Spring	Permanent
WELLS						
8174	COLUMBIA CEDAR	A	Non-Transient, Non-Community	FERRY	Well(s)	Permanent
NP330	HAAG COVE CAMPGROUND	A	Transient Non-Community	FERRY	Well(s)	Permanent
35550	INCHELIUM WATER DISTRICT	A	Community	FERRY	Well(s)	Permanent and Emergency
NP495	KETTLE RIVER CAMPGROUND	A	Transient Non-Community	FERRY	Well(s)	Permanent
33489	LAKESIDE PARK	A	Community	FERRY	Well(s)	Permanent
51877	MARTIN CREEK COMMUNITY ASSN	A	Community	FERRY	Well(s)	Permanent
33301	NORTH LAKE ROOSEVELT RESORT	A	Transient Non-Community	FERRY	Well(s)	Permanent
73032	RIVERWOOD WATER SYSTEM	A	Community	FERRY	Well(s)	Permanent
7216	WATERING HOLE, THE	A	Transient Non-Community	FERRY	Well(s)	Permanent
15451	COULEE GRANDE-BANKS LK GOLF COURSE	A	Transient Non-Community	GRANT	Well(s)	Seasonal
22850	ELECTRIC CITY, TOWN OF	A	Community	GRANT	Well(s)	Permanent and Seasonal
28700	GRAND COULEE WATER DEPT, CITY OF	A	Community	GRANT	Well(s)	Permanent

Table 2-1. Public Water Systems Groundwater Wells and Springs within Five Miles of UCR/Lake Roosevelt Shoreline

PWS ID	System Name	Group	System Type	County	Source Type	Use
8114	SUNBANKS RESORT	A	Transient Non-Community	GRANT	Well(s)	Permanent
1852	DEER MEADOWS WATER COMPANY INC	A	Community	LINCOLN	Well(s)	Permanent
NP280	FORT SPOKANE CAMPGROUND	A	Transient Non-Community	LINCOLN	Well(s)	Seasonal
19928	HANSON HARBOR HOMEOWNERS ASSN	A	Community	LINCOLN	Well(s)	Permanent
NP335	HAWK CREEK CAMPGROUND	A	Transient Non-Community	LINCOLN	Well(s)	Permanent
NP470	KELLER FERRY CAMPGROUND	A	Transient Non-Community	LINCOLN	Well(s)	Permanent
HD340	KELLER FERRY LANDING	A	Transient Non-Community	LINCOLN	Well(s)	Permanent
NP469	KELLER FERRY MARINA	A	Transient Non-Community	LINCOLN	Well(s)	Permanent
45366	LAKEVIEW TERRACE MHP	A	Community	LINCOLN	Well(s)	Permanent
NP700	PORCUPINE BAY CAMPGROUND	A	Transient Non-Community	LINCOLN	Well(s)	Permanent
20116	RANTZ MARINE PARK	A	Transient Non-Community	LINCOLN	Well(s)	Permanent
23324	RIVER RUE WATER SYSTEM	A	Transient Non-Community	LINCOLN	Well(s)	Permanent
47283	ROOSEVELT LAKE RANCH	A	Community	LINCOLN	Well(s)	Permanent
77651	SEVEN BAYS ESTATES UNLIMITED	A	Community	LINCOLN	Well(s)	Permanent
NP810	SPRING CANYON CAMPGROUND	A	Transient Non-Community	LINCOLN	Well(s)	Permanent
23391	SUNNY HILLS WATER SYSTEM	A	Transient Non-Community	LINCOLN	Well(s)	Permanent
NP070	CAMP NABOR LEE	A	Transient Non-Community	STEVENS	Well(s)	Permanent
NP110	CLOVERLEAF CAMPGROUND	A	Transient Non-Community	STEVENS	Well(s)	Permanent
7664	COLUMBIA SCHOOL DISTRICT 206	A	Non-Transient, Non-Community	STEVENS	Well(s)	Permanent
NP240	EVANS CAMPGROUND	A	Transient Non-Community	STEVENS	Well(s)	Permanent

Table 2-1. Public Water Systems Groundwater Wells and Springs within Five Miles of UCR/Lake Roosevelt Shoreline

PWS ID	System Name	Group	System Type	County	Source Type	Use
23960	EVANS WATER SYSTEM	A	Community	STEVENS	Well(s)	Permanent
24162	EVERGREEN SCHOOL DISTRICT #205	A	Non-Transient, Non-Community	STEVENS	Well(s)	Permanent
26790	FRUITLAND BIBLE CAMP	A	Transient Non-Community	STEVENS	Well(s)	Permanent and Seasonal
NP300	GIFFORD CAMPGROUND	A	Transient Non-Community	STEVENS	Well(s)	Permanent
NP380	HUNTERS CAMPGROUND	A	Transient Non-Community	STEVENS	Well(s)	Permanent
34889	HUNTERS WATER DISTRICT	A	Community	STEVENS	Well(s)	Permanent and Emergency
NP460	KAMLOOPS ISLAND CAMPGROUND	A	Transient Non-Community	STEVENS	Well(s)	Permanent
38400	KETTLE FALLS WATER DEPT	A	Community	STEVENS	Well(s)	Permanent
NP610	MARCUS ISLAND CAMPGROUND	A	Transient Non-Community	STEVENS	Well(s)	Permanent
51550	MARCUS WATER DEPT	A	Community	STEVENS	Well(s)	Seasonal, Permanent, and Emergency
30434	MISSION RIDGE WATER SYSTEM	A	Community	STEVENS	Well(s)	Permanent
NP660	NORTH GORGE CAMPGROUND	A	Transient Non-Community	STEVENS	Well(s)	Permanent
61850	NORTHPORT WATER SYSTEM	A	Community	STEVENS	Well(s)	Permanent
NP780	SNAG COVE CAMPGROUND	A	Transient Non-Community	STEVENS	Well(s)	Permanent
3554	Union Gospel Mission Tshimakain	A	Transient Non-Community	STEVENS	Well(s)	Permanent
41379	WELLPINIT SCHOOL	A	Non-Transient, Non-Community	STEVENS	Well(s)	Permanent
99330	YE OLD COUNTRY STORE	A	Transient Non-Community	STEVENS	Well(s)	Permanent
34014	ANDERSON K. R. LOTS	B	Group B	FERRY	Well(s)	Permanent
AB500	AOY Cascade	B	Group B	FERRY	Well(s)	Permanent
8014	BOYDS TAVERN	B	Group B	FERRY	Well(s)	Permanent
38951	COLUMBIA RIVER WATER ASSOCIATION	B	Group B	FERRY	Well(s)	Permanent
34017	FREDRICKSON SHORT PLAT	B	Group B	FERRY	Well(s)	Permanent
6012	KENT WATER SYSTEM	B	Group B	FERRY	Well(s)	Permanent

Table 2-1. Public Water Systems Groundwater Wells and Springs within Five Miles of UCR/Lake Roosevelt Shoreline

PWS ID	System Name	Group	System Type	County	Source Type	Use
AA644	R GARDEN INTERNATIONAL	B	Group B	FERRY	Well(s)	Permanent and Emergency
6538	BROUGHER RANCH II	B	Group B	LINCOLN	Well(s)	Permanent
8271	BROUGHER RANCH III	B	Group B	LINCOLN	Well(s)	Permanent
8340	CAMPBELL BAY FARMS	B	Group B	LINCOLN	Well(s)	Permanent
AA087	CHAR-DONNIE	B	Group B	LINCOLN	Well(s)	Permanent
4298	COLUMBIA SPRINGS ESTATES	B	Group B	LINCOLN	Well(s)	Permanent
NP190	DETILLION CAMPGROUND	B	Group B	LINCOLN	Well(s)	Permanent
7944	FDR ESTATES #5	B	Group B	LINCOLN	Well(s)	Permanent
7961	FDR ESTATES #6	B	Group B	LINCOLN	Well(s)	Permanent
2484	(b) (6) FAMILY WATER SYSTEM	B	Group B	LINCOLN	Well(s)	Permanent
4991	KUNZ WATER SYSTEM	B	Group B	LINCOLN	Well(s)	Permanent
5694	LAKE ROOSEVELT HIDEAWAY	B	Group B	LINCOLN	Well(s)	Permanent
AB219	Lakeview Catering	B	Group B	LINCOLN	Well(s)	Permanent
5403	LAKEVIEW HEIGHTS WATER SYSTEM	B	Group B	LINCOLN	Well(s)	Permanent
7007	(b) (6) WATER SYSTEM	B	Group B	LINCOLN	Well(s)	Permanent
24292	LONG LAKE OPERATORS VILLAGE	B	Group B	LINCOLN	Well(s)	Permanent
AB341	(b) (6) Water System	B	Group B	LINCOLN	Well(s)	Permanent
6719	PORCUPINE BAY ESTATES	B	Group B	LINCOLN	Well(s)	Permanent
6719	PORCUPINE BAY ESTATES	B	Group B	LINCOLN	Well(s)	Permanent
196	(b) (6) WELL WATER SYSTEM	B	Group B	LINCOLN	Well(s)	Permanent
56364	ROCKY TOP ESTATES	B	Group B	LINCOLN	Well(s)	Permanent
AA482	ROOSEVELT VIEWS SUBDIVISION	B	Group B	LINCOLN	Well(s)	Permanent
38625	SQUAW CANYON PLAT III	B	Group B	LINCOLN	Well(s)	Permanent
51131	(b) (6) WATER SYSTEM	B	Group B	LINCOLN	Well(s)	Permanent
6998	TRANQUIL ESTATES	B	Group B	LINCOLN	Well(s)	Permanent
AA292	WIND WALKER	B	Group B	LINCOLN	Well(s)	Permanent
2525	(b) (6)	B	Group B	STEVENS	Well(s)	Permanent
6870	ATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
7800	ATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
AA572	BUCK CANYON LODGE	B	Group B	STEVENS	Well(s)	Permanent
33856	CE MINERALS/CALHOUN MILL	B	Group B	STEVENS	Well(s)	Permanent
6224	CHINA BEND VINEYARDS	B	Group B	STEVENS	Well(s)	Permanent
AA168	CLEAR WATER	B	Group B	STEVENS	Well(s)	Permanent
3024	(b) (6) WATER COMPANY	B	Group B	STEVENS	Well(s)	Permanent
5320	ECHO RIDGE VETERINARY HOSPITAL	B	Group B	STEVENS	Well(s)	Permanent
2704	FRONTIER WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent

Table 2-1. Public Water Systems Groundwater Wells and Springs within Five Miles of UCR/Lake Roosevelt Shoreline

PWS ID	System Name	Group	System Type	County	Source Type	Use
AA757	Gold Edge Estates	B	Group B	STEVENS	Well(s)	Permanent
4430	GOLDEN WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
2185	(b) (6)	B	Group B	STEVENS	Well(s)	Permanent
2471	WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
2984	(b) (6) WTR. SYS.	B	Group B	STEVENS	Well(s)	Permanent
2539	(b) (6) WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
1804	(b) (6) WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
3719	(b) (6) WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
1664	(b) (6) WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
2491	(b) (6) ATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
1577	WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
8268	(b) (6) WATER DISTRICT	B	Group B	STEVENS	Well(s)	Permanent
3743	(b) (6) WELL	B	Group B	STEVENS	Well(s)	Permanent
2752	(b) (6) WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
7804	RICE CHURCH	B	Group B	STEVENS	Well(s)	Permanent
4112	RICKEY CANYON SUBDIVISION	B	Group B	STEVENS	Well(s)	Permanent
34825	(b) (6) WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
2839	(b) (6) WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
NR720	SHEEP CREEK CAMPGROUND	B	Group B	STEVENS	Well(s)	Permanent
5283	(b) (6) WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
41431	SNAG COVE WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
AA980	Stevens Co Fire District #12	B	Group B	STEVENS	Well(s)	Permanent
3252	(b) (6) WTR. SYS.	B	Group B	STEVENS	Well(s)	Permanent
2769	VERY DEEP WELL WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
AB381	Victory Baptist Church	B	Group B	STEVENS	Well(s)	Permanent
3135	(b) (6) WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
2524	(b) (6) WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent
NR900	WILLIAMS LAKE CAMP GROUND	B	Group B	STEVENS	Well(s)	Permanent

Source: Washington Dept. of Health, 2004 data (WDOH, 2006).

Note: System Name and Use entries are shown as provided by DOH.

Emergency = Any source that is approved by the department for emergency purposes only, is not used for routine or seasonal water demands, is physically disconnected, and is identified in the purveyor's emergency response plan.

Seasonal = A public water system source used on a regular basis, that is not a permanent or emergency source.

Permanent = A public water system supply source that is used regularly each year, and based on expected operational requirements of the system, will be used more than three consecutive months in any twelve-month period. For seasonal water systems that are in operation for less than three consecutive months per year, their sources shall also be considered to be permanent.

Table 2-2. Gaging Stations Used to Develop Water Budgets

Station	Gage	Latitude	Longitude	Long-Term Average Gage Flow (cfs)	Cumulative Long-Term Average Columbia River Flow (cfs)	Measured Long-Term Average Columbia River Flow (cfs)	Columbia River Gage[a]	Percent of Grand Coulee Outflow	Period of Record	Count of Daily Flow Values
Columbia River at Castlegar, B.C.	WSC 08NE002	49°19'56" N	117°40'33" W	42,725	42,725	42,725	1	40%	1913–1916 1961–1972	5,478
Kootenay Lake Outflow near Corra Linn, B.C.	WSC 08NJ158	49°28'1" N	117°27'54" W	27,761	70,486	71,101	2	26%	1937–2005	24,929
Pend Oreille River at International Boundary, WA (before entering Canada)	USGS 12398600	48°59'56" N	117°21'09" W	25,938	96,424	99,637	3	24%	1962–2007	15,917
Kettle River near Laurier, WA	USGS 12398600	48°59'56" N	117°21'09" W	2,928	99,352			3%	1929–2007	28,458
Colville River at Kettle Falls, WA	USGS 12409000	48°35'40" N	118°03'41" W	306	99,658			< 1 %	1922–2007	30,802
Spokane River at Long Lake, WA	USGS 12433000	47°50'12" N	117°50'25" W	7,670	107,328			7%	1939–2006	24,656
Sanpoil River near Keller, WA	USGS 12434500	48°05'04" N	118°41'25" W	261	107,589	107,806	4	< 1 %	1952–1974	3,969
Sanpoil River above Jack Creek at Keller, WA	USGS 12434590	48°05'04" N	118°41'25" W	261	107,589	107,806	4	< 1 %	2006–2007	284
Sanpoil River at Keller, WA	USGS 12435000	48°05'04" N	118°41'25" W	261	107,589	107,806	4	< 1 %	1911–1917	1,799

Note:
[a] See Table 2-4 in the HHRA work plan (SRC, 2009).

Table 2-3. Residential Soil Decision Units Subject to Time Critical Removal Actions (TCRAs) or Voluntary Removal Actions (VRAs) as of June 20, 2019

Decision Unit	Removal Date	Post-Removal Concentrations Used in HHRA[a]
20	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report
412	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report
18	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report
40	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report
109	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report
180-H2	2017	Maximum backfill concentration from 2017-2018 VRA Completion Report
201G	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report
39	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report
194	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report
109-H1	2018	Maximum backfill concentration from 2017-2018 VRA Completion Report
140-H1	2017	Maximum backfill concentration from 2017-2018 VRA Completion Report
1030	2018	Maximum backfill concentration from 2017-2018 VRA Completion Report
203	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report
203-H1	2018	Maximum backfill concentration from 2017-2018 VRA Completion Report
140-O2	2017	Maximum backfill concentration from 2017-2018 VRA Completion Report
218	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report
151	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report
319M	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report
7	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report
170	2018	Maximum backfill concentration from 2017-2018 VRA Completion Report
35	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report
35PA	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report
203-O1	2018	Maximum backfill concentration from 2017-2018 VRA Completion Report
203-O3	2018	Maximum backfill concentration from 2017-2018 VRA Completion Report
203-O4	2018	Maximum backfill concentration from 2017-2018 VRA Completion Report
49	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report
196	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report
1021	2015	Maximum backfill concentration from 2015 TCRA Final Completion Report

[a] Source: Email from TAI to EPA Region 10 on 6/20/2019 containing 4 tables: 1) 2015 TCRA - Backfill completion details by Decision Unit, 2) Laboratory Results for Backfill Materials, 2015 Time Critical Removal Action, Teck American Incorporated, UCR Site, Northport, WA, 3) 2017-2018 VRA - Backfill completion details by Decision Unit, and 4) Laboratory Results for Backfill Materials, 2017-2018 Voluntary Removal Action, UCR Site, Northport, WA, Teck American Incorporated

Table 2-4. Number of Surface Water Samples Analyzed for each Analyte, by Reach

Analyte	Disturbed Samples, Total							Disturbed Samples, Dissolved						
	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6
Conventional														
Alkalinity	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Carbon_org	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fluoride	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hardness_CaCO3	7	5	7	4	8	7	5	—	—	—	—	—	—	—
pH	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sulfate	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TDS	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TSS	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Metal/oids														
Aluminum	9	6	6	4	6	7	7	9	5	6	4	6	7	6
Antimony	9	6	6	4	6	7	7	9	5	6	4	6	7	6
Arsenic	9	6	6	4	6	7	7	9	5	6	4	6	7	6
As_inorg	9	5	6	4	6	6	6	9	5	6	4	6	6	6
Barium	9	6	6	4	6	7	7	9	5	6	4	6	7	6
Beryllium	9	6	6	4	6	7	7	9	5	6	4	6	7	6
Bismuth	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Boron	1	—	1	—	1	—	—	2	—	—	—	1	—	—
Cadmium	9	6	6	4	6	7	7	9	5	6	4	6	7	6
Calcium	9	5	7	4	8	7	7	9	5	6	4	7	7	6
Cerium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Cesium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Chloride	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chromium	9	6	6	4	6	7	7	9	5	6	4	6	7	6

Table 2-4. Number of Surface Water Samples Analyzed for each Analyte, by Reach

Analyte	Disturbed Samples, Total							Disturbed Samples, Dissolved						
	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6
Cobalt	6	3	5	4	6	7	7	6	3	5	4	6	7	5
Copper	9	6	6	4	6	7	7	9	5	6	4	6	7	6
Dysprosium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Erbium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Europium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Gadolinium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Gallium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Germanium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Gold	1	—	—	—	1	—	—	1	—	—	—	1	—	—
Holmium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Indium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Iron	9	5	7	4	8	7	7	9	5	6	4	7	7	6
Lanthanum	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Lead	9	6	6	4	6	7	7	9	5	6	4	6	7	6
Lithium	1	—	—		1	—	—	2	—	—	—	1	—	—
Lutetium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Magnesium	9	5	7	4	8	7	7	9	5	6	4	7	7	6
Manganese	9	6	6	4	6	7	7	9	5	6	4	6	7	6
Mercury	9	5	6	4	6	6	6	9	5	6	4	6	6	6
Molybdenum	9	6	6	3	6	6	7	9	5	6	3	6	6	6
Neodymium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Nickel	9	6	6	4	6	7	7	9	5	6	4	6	7	6
Niobium	1				1			1	—	—	—	1	—	—
Potassium	9	5	7	4	8	7	7	9	5	6	4	7	7	6
Praseodymium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Rubidium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Samarium	1	—	—	—	—	—	—	1	—	—	—	—	—	—

Table 2-4. Number of Surface Water Samples Analyzed for each Analyte, by Reach

Analyte	Disturbed Samples, Total							Disturbed Samples, Dissolved						
	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6
Scandium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Selenium	9	6	6	4	6	7	7	9	5	6	4	6	7	6
Silica	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Silicon	1	—	—	—	1	—	—	2	—	—	—	1	—	—
Silver	9	6	6	4	6	7	7	9	5	6	4	6	7	6
Sodium	9	5	7	4	8	7	7	9	5	6	4	7	7	6
Strontium	1	—	—	—	1	—	—	2	—	—	—	1	—	—
Tantalum	1	—	—	—	1	—	—	1	—	—	—	1	—	—
Tellurium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Terbium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Thallium	9	6	6	4	6	7	7	9	5	6	4	6	7	6
Thorium	1	—	—	—	1	—	—	1	—	—	—	1	—	—
Thulium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Tin	1	—	—	—	1	—	—	1	—	—	—	1	—	—
Titanium	1	—	—	—	1	—	—	2	—	—	—	1	—	—
Tungsten	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Uranium	9	6	6	4	6	7	7	9	5	6	4	6	7	6
Vanadium	9	6	6	4	6	7	7	9	5	6	4	6	7	6
Ytterbium	1	—	—	—	—	—	—	1	—	—	—	—	—	—
Yttrium	1	—	—	—	—			1	—	—	—	—	—	—
Zinc	9	6	6	4	6	7	7	9	5	6	4	6	7	6
Zirconium	—	—	—	—	—	—		—	—	—	—	—	—	—
PAH														
11Biphenyl	6	3	3	—	—	3	3	—	—	—	—	—	—	—
2MeNaphthalene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Acenaphthene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Acenaphthylene	6	3	3	—	—	3	3	—	—	—	—	—	—	—

Table 2-4. Number of Surface Water Samples Analyzed for each Analyte, by Reach

Analyte	Disturbed Samples, Total							Disturbed Samples, Dissolved						
	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6
Anthracene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
BzAAnthracene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
BzAPyrene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
BzBFluoranthene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
BzEPyrene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
BzGhiPerylene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
BzKFluoranthene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Chrysene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Dibenzofuran	6	3	3	—	—	3	3	—	—	—	—	—	—	—
DiBzAhAnthracene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Fluoranthene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Fluorene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Ind123CdPyrene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Naphthalene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Perylene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Phenanthrene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Pyrene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PBDE														
PBDE_coel138+166	2	1	1	—	—	1	1	—	—	—	—	—	—	—
PBDE_coel17+25	2	1	1	—	—	1	1	—	—	—	—	—	—	—
PBDE_coel28+33	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PBDE_cong_100	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PBDE_cong_128	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PBDE_cong_138	4	2	2	—	—	2	2	—	—	—	—	—	—	—
PBDE_cong_153	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PBDE_cong_154	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PBDE_cong_17	4	2	2	—	—	2	2	—	—	—	—	—	—	—

Table 2-4. Number of Surface Water Samples Analyzed for each Analyte, by Reach

Analyte	Disturbed Samples, Total							Disturbed Samples, Dissolved						
	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6
PBDE_cong_183	2	1	1	—	—	1	1	—	—	—	—	—	—	—
PBDE_cong_184	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PBDE_cong_190	2	1	—	—	—	1	1	—	—	—	—	—	—	—
PBDE_cong_191	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PBDE_cong_203	2	1	1	—	—	1	1	—	—	—	—	—	—	—
PBDE_cong_206	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PBDE_cong_209	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PBDE_cong_47	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PBDE_cong_49	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PBDE_cong_66	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PBDE_cong_71	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PBDE_cong_85	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PBDE_cong_99	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PBDE_cong183+176	4	2	2	—	—	2	2	—	—	—	—	—	—	—
PBDE_cong190+171	4	2	2	—	—	2	2	—	—	—	—	—	—	—
PBDE_cong203+200	4	2	2	—	—	2	2	—	—	—	—	—	—	—
PCB														
DecClBiphenyl	6	3	3	—	—	3	3	—	—	—	—	—	—	—
DiClBiphenyls	4	2	2	—	—	2	2	—	—	—	—	—	—	—
HepClBiphenyls	4	2	2	—	—	2	2	—	—	—	—	—	—	—
HexClBiphenyls	4	2	2	—	—	2	2	—	—	—	—	—	—	—
MonoClBiphenyls	4	2	2	—	—	2	2	—	—	—	—	—	—	—
NonClBiphenyls	4	2	2	—	—	2	2	—	—	—	—	—	—	—
OctClBiphenyls	4	2	2	—	—	2	2	—	—	—	—	—	—	—
PCB_129+138+163	2	1	1	—	—	1	1	—	—	—	—	—	—	—
PCB_129+138+2m	4	2	2	—	—	2	2	—	—	—	—	—	—	—
PCB_40+41+71	4	2	2	—	—	2	2	—	—	—	—	—	—	—

Table 2-4. Number of Surface Water Samples Analyzed for each Analyte, by Reach

Analyte	Disturbed Samples, Total							Disturbed Samples, Dissolved						
	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6
PCB_40+71	2	1	1	—	—	1	1	—	—	—	—	—	—	—
PCB_44+47+65	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_59+62+75	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_61+70+74+76	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_85+116+117	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_86+87+97+3m	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_90+101+113	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_1	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_10	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_103	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_104	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_105	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_106	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_107+124	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_109	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_11	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_110+115	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_111	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_112	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_114	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_118	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_12+13	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_120	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_121	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_122	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_123	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_126	6	3	3	—	—	3	3	—	—	—	—	—	—	—

Table 2-4. Number of Surface Water Samples Analyzed for each Analyte, by Reach

Analyte	Disturbed Samples, Total							Disturbed Samples, Dissolved						
	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6
PCB_cong_127	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_128+166	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_130	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_131	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_132	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_133	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_134	2	1	1	—	—	1	1	—	—	—	—	—	—	—
PCB_cong_134+143	4	2	2	—	—	2	2	—	—	—	—	—	—	—
PCB_cong_135+151	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_136	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_137	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_139+140	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_14	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_141	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_142	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_143	2	1	1	—	—	1	1	—	—	—	—	—	—	—
PCB_cong_144	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_145	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_146	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_147+149	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_148	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_15	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_150	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_152	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_153+168	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_154	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_155	6	3	3	—	—	3	3	—	—	—	—	—	—	—

Table 2-4. Number of Surface Water Samples Analyzed for each Analyte, by Reach

Analyte	Disturbed Samples, Total							Disturbed Samples, Dissolved						
	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6
PCB_cong_156+157	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_158	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_159	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_16	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_160	2	1	1	—	—	1	1	—	—	—	—	—	—	—
PCB_cong_161	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_162	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_164	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_165	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_167	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_169	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_17	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_170	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_171+173	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_172	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_174	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_175	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_176	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_177	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_178	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_179	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_18+30	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_180+193	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_181	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_182	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_183+185	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_184	6	3	3	—	—	3	3	—	—	—	—	—	—	—

Table 2-4. Number of Surface Water Samples Analyzed for each Analyte, by Reach

Analyte	Disturbed Samples, Total							Disturbed Samples, Dissolved						
	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6
PCB_cong_186	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_187	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_188	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_189	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_19	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_190	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_191	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_192	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_194	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_195	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_196	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_197	4	2	2	—	—	2	2	—	—	—	—	—	—	—
PCB_cong_197+200	2	1	1	—	—	1	1	—	—	—	—	—	—	—
PCB_cong_198+199	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_2	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_20+28	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_200	4	2	2	—	—	2	2	—	—	—	—	—	—	—
PCB_cong_201	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_202	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_203	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_204	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_205	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_206	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_207	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_208	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_21+33	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_22	6	3	3	—	—	3	3	—	—	—	—	—	—	—

Table 2-4. Number of Surface Water Samples Analyzed for each Analyte, by Reach

Analyte	Disturbed Samples, Total							Disturbed Samples, Dissolved						
	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6
PCB_cong_23	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_24	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_25	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_26+29	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_27	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_3	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_31	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_32	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_34	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_35	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_36	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_37	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_38	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_39	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_4	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_41	2	1	1	—	—	1	1	—	—	—	—	—	—	—
PCB_cong_42	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_43	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_45+51	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_46	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_48	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_49+69	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_5	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_50+53	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_52	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_54	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_55	6	3	3	—	—	3	3	—	—	—	—	—	—	—

Table 2-4. Number of Surface Water Samples Analyzed for each Analyte, by Reach

Analyte	Disturbed Samples, Total							Disturbed Samples, Dissolved						
	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6
PCB_cong_56	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_57	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_58	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_6	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_60	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_63	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_64	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_66	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_67	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_68	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_7	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_72	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_73	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_77	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_78	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_79	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_8	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_80	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_81	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_82	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_83	2	1	1	—	—	1	1	—	—	—	—	—	—	—
PCB_cong_83+99	4	2	2	—	—	2	2	—	—	—	—	—	—	—
PCB_cong_84	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_88+91	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_89	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_9	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_92	6	3	3	—	—	3	3	—	—	—	—	—	—	—

Table 2-4. Number of Surface Water Samples Analyzed for each Analyte, by Reach

Analyte	Disturbed Samples, Total							Disturbed Samples, Dissolved						
	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6
PCB_cong_94	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_95	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_96	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PCB_cong_99	2	1	1	—	—	1	1	—	—	—	—	—	—	—
PCB93+100	2	1	1	—	—	1	1	—	—	—	—	—	—	—
PCB93+98+100+102	4	2	2	—	—	2	2	—	—	—	—	—	—	—
PCB98+102	2	1	1	—	—	1	1	—	—	—	—	—	—	—
PentClBiphenyls	4	2	2	—	—	2	2	—	—	—	—	—	—	—
TetClBiphenyls	4	2	2	—	—	2	2	—	—	—	—	—	—	—
TotPCBs	4	2	2	—	—	2	2	—	—	—	—	—	—	—
TriClBiphenyls	4	2	2	—	—	2	2	—	—	—	—	—	—	—
Pest-Herb														
24DDD	6	3	3	—	—	3	3	—	—	—	—	—	—	—
24DDE	6	3	3	—	—	3	3	—	—	—	—	—	—	—
24DDT	6	3	3	—	—	3	3	—	—	—	—	—	—	—
44DDD	6	3	3	—	—	3	3	—	—	—	—	—	—	—
44DDE	6	3	3	—	—	3	3	—	—	—	—	—	—	—
44DDT	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Aldrin	6	3	3	—	—	3	3	—	—	—	—	—	—	—
alphaBHC	6	3	3	—	—	3	3	—	—	—	—	—	—	—
alphaChlordane	6	3	3	—	—	3	3	—	—	—	—	—	—	—
betaBHC	6	3	3	—	—	3	3	—	—	—	—	—	—	—
cisNonachlor	6	3	3	—	—	3	3	—	—	—	—	—	—	—
deltaBHC	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Dieldrin	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Endosulfan_I	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Endosulfan_II	6	3	3	—	—	3	3	—	—	—	—	—	—	—

Table 2-4. Number of Surface Water Samples Analyzed for each Analyte, by Reach

Analyte	Disturbed Samples, Total							Disturbed Samples, Dissolved						
	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6
EndosulfanSulf	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Endrin	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Endrin aldehyde	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Endrin ketone	6	3	3	—	—	3	3	—	—	—	—	—	—	—
gammaBHC	6	3	3	—	—	3	3	—	—	—	—	—	—	—
gammaChlordane	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Heptachlor	6	3	3	—	—	3	3	—	—	—	—	—	—	—
HeptachorEpox	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Methoxychlor	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Oxychlordane	6	3	3	—	—	3	3	—	—	—	—	—	—	—
TotChlordane	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Toxaphene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
transNonachlor	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Radionuc														
Ra_226	6	3	3	—	—	3	3	—	—	—	—	—	—	—
U-238	6	3	3	—	—	3	3	—	—	—	—	—	—	—
SVOC														
124TriClBenzene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
12DiClBenzene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
13DiClBenzene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
14DiClBenzene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
22OxyBis1ClProp	6	3	3	—	—	3	3	—	—	—	—	—	—	—
245TriClPhenol	6	2	3	—	—	3	3	—	—	—	—	—	—	—
246TriClPhenol	6	2	3	—	—	3	3	—	—	—	—	—	—	—
24DiClPhenol	6	2	3	—	—	3	3	—	—	—	—	—	—	—
24DiMePhenol	6	2	3	—	—	3	3	—	—	—	—	—	—	—

Table 2-4. Number of Surface Water Samples Analyzed for each Analyte, by Reach

Analyte	Disturbed Samples, Total							Disturbed Samples, Dissolved						
	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6
24DiNiPhenol	6	2	3	—	—	3	3	—	—	—	—	—	—	—
24DiNiToluene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
26DiNiToluene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
2ClNaphthalene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
2ClPhenol	6	2	3	—	—	3	3	—	—	—	—	—	—	—
2MePhenol	6	2	3	—	—	3	3	—	—	—	—	—	—	—
2NiAniline	6	3	3	—	—	3	3	—	—	—	—	—	—	—
2NiPhenol	6	3	3	—	—	3	3	—	—	—	—	—	—	—
33DiClBenzidine	6	2	2	—	—	2	2	—	—	—	—	—	—	—
3NiAniline	6	3	3	—	—	3	3	—	—	—	—	—	—	—
46DiNi2MePhenol	6	2	3	—	—	3	3	—	—	—	—	—	—	—
4BrPhPhEther	6	3	3	—	—	3	3	—	—	—	—	—	—	—
4Cl3MePhenol	6	2	3	—	—	3	3	—	—	—	—	—	—	—
4ClAniline	6	3	3	—	—	3	3	—	—	—	—	—	—	—
4ClPhPhEther	6	3	3	—	—	3	3	—	—	—	—	—	—	—
4MePhenol	6	2	3	—	—	3	3	—	—	—	—	—	—	—
4NiAniline	6	3	3	—	—	3	3	—	—	—	—	—	—	—
4NiPhenol	6	2	3	—	—	3	3	—	—	—	—	—	—	—
Acetophenone	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Benzaldehyde	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Benzoic acid	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Benzyl alcohol	6	2	3	—	—	3	3	—	—	—	—	—	—	—
bs2ClEtOxEther	6	3	3	—	—	3	3	—	—	—	—	—	—	—
bs2ClEtOxMethane	6	3	3	—	—	3	3	—	—	—	—	—	—	—
bs2EtHxPhthalate	6	3	3	—	—	3	3	—	—	—	—	—	—	—
BzNButPhthalate	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Caprolactam	6	3	3	—	—	3	3	—	—	—	—	—	—	—

Table 2-4. Number of Surface Water Samples Analyzed for each Analyte, by Reach

Analyte	Disturbed Samples, Total							Disturbed Samples, Dissolved						
	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6	Reach 1	Reach 2	Reach 3	Reach 4A	Reach 4B	Reach 5	Reach 6
Carbazole	12	6	6	—	—	6	6	—	—	—	—	—	—	—
DiBzThiophene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
DiEtPhthalate	6	3	3	—	—	3	3	—	—	—	—	—	—	—
DiMePhthalate	6	3	3	—	—	3	3	—	—	—	—	—	—	—
DiNButPhthalate	6	3	3	—	—	3	3	—	—	—	—	—	—	—
DiNOctPhthalate	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Hexachloroethane	6	3	3	—	—	3	3	—	—	—	—	—	—	—
HxClBenzene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
HxClButadiene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
HxClCycPenDiene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Isophorone	6	3	3	—	—	3	3	—	—	—	—	—	—	—
Nitrobenzene	6	3	3	—	—	3	3	—	—	—	—	—	—	—
NNitDiNPropAmine	6	3	3	—	—	3	3	—	—	—	—	—	—	—
NNitDiPhenAmine	6	3	3	—	—	3	3	—	—	—	—	—	—	—
PenClPhenol	6	2	3	—	—	3	3	—	—	—	—	—	—	—
Phenol	6	2	3	—	—	3	3	—	—	—	—	—	—	—
Nutrients														
Ammonia_N	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nitrite-Nitrate	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Phosphorus	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2-5. Summary of Site Sediment and Beach Soil Data

Data Set	Sample Type	Purpose	Used in COI Screen	Used in Risk Calculations	Notes
Phase I 2005 Sediment Sampling Investigation (EPA, 2006c)	Baseline	Collected to better define nature and extent of COIs over the length and width of the UCR between the U.S. – Canada border and Grand Coulee Dam.	No	No	Not included in the HHRA: not sieved to a grain size representative of human exposure to sediment and not collected from exposure areas relevant to receptors evaluated in the HHRA.
	Core	Collected to characterize vertical variations in COI concentrations to assess potential for remobilization and rate of sediment accumulation.	No	No	Not included in the HHRA: not sieved to a grain size representative of human exposure to sediment and not collected from exposure areas relevant to receptors evaluated in the HHRA.
	Beach sediment	Collected from 15 "high use" beaches throughout the UCR study area.	Yes	No	Samples from beaches not resampled in 2009-2011 were included in the COI screen. Dioxin/furan results for 5 resampled beaches were used in the COI screen as samples collected at these beaches in the 2009-2011 study were not analyzed for dioxins/furans. Not included in the EPC calculations for the HHRA: not sieved to a grain size representative of human exposure to sediment, and more recent data were available.
2009-2011 Beach Sediment Study (TAI, 2014a, 2017b)	Surface sediment (0 to 15 cm)	Collected from locations randomly distributed throughout each beach between the water's edge and the maximum beach elevation to evaluate exposure to recreational, occupational, and tribal populations.	Yes	Yes	Sample results for <250 µm size fraction were used in the COI screen and to evaluate risk to the recreational visitor and outdoor worker. IVBA data for metals other than arsenic and lead were not used in the HHRA. The <2 mm composite surface sediment sample results were used in the waterfowl uptake models to estimate tissue concentrations in waterfowl.
	Core (0 to 15, 15 to 45, and 45 to 75 cm)	Subsurface sediment cores were collected from each beach to evaluate potential effects on receptors who may come in contact with deeper sediment.	Yes	No	Results were used in the COI screen for subsurface sediment. Not included in the EPC calculations: not sieved to a grain size representative of human exposure to sediment.
2013 Beach Sediment Reanalysis (EPA, 2013b)	Discrete surface sediment (0 to 15 cm)	Archived samples collected in 2011 from 5 beaches were sieved to <250 µm and re-analyzed for lead, arsenic, and lead IVBA to verify that the calculated results from the 2009-2011 Sediment Study are comparable to measured results for sediment sieved to <250 µm.	Yes	Yes	Reanalyzed 2013 results were used in lieu of calculated results from the 2009-2011 Sediment Study in the COI screen and to evaluate risk to the recreational visitor and outdoor worker.
2014 Upland Soil Study (TAI, 2014b)	RFDA (evaluated as beach soil)	Collected from upland areas adjacent to the UCR with historical fluvial deposition of sediment to fill data gaps for the BERA and HHRA.	Yes	Yes	The <149 µm sample results were used in the COI screen and to evaluate risk to recreational visitors. The <2 mm results were used in the waterfowl uptake models to estimate tissue concentrations in waterfowl.

Table 2-5. Summary of Site Sediment and Beach Soil Data

Data Set	Sample Type	Purpose	Used in COI Screen	Used in Risk Calculations	Notes
2014 Residential Soil Study (SRC, 2014a)	IC Residential beach sediment (0 to 15 cm)	Collected from beaches on rural residential properties within the northernmost reaches of the Site to support the HHRA.	Yes	Yes	Sample results were used in the COI screen and to evaluate risk to residents who own a property with a beach and tribal populations and to estimate uptake by waterfowl.
	Core Residential beach sediment (2.5 to 15 cm)		No	No	Not included in the HHRA: collected to provide information on the vertical nature and extent of contamination, not to evaluate human exposure.
2015 Bossburg Flat Beach Refined Sediment and Soil Study (TAI, 2016a)	IC sediment (0 to 15 cm)	Collected to further investigate elevated lead concentrations at Bossburg Flat Beach and Evans Campground Beach.	Yes	Yes	The <250 µm sample results were used in the COI screen and to evaluate risk to the recreational visitor and outdoor worker. The <2 mm results were used in the waterfowl uptake models to estimate tissue concentrations in waterfowl.
	Core sediment (0 to 15, 15 to 30, and 30 to 45 cm)		Yes	Yes	The <250 µm sample results were used in the COI screen for subsurface sediment and to evaluate risk to the outdoor worker population from exposure to subsurface sediment.
	IC soil (0 to 15 cm)	Collected to further investigate elevated lead concentrations at Bossburg Flat Beach.	Yes	Yes	The <250 µm sample results were used in the COI screen and to evaluate risk to the recreational visitor and outdoor worker. The <2 mm results were used in the waterfowl uptake models to estimate tissue concentrations in waterfowl.
	Core soil (0 to 15, 15 to 30, and 30 to 45 cm)		Yes	Yes	The <250 µm sample results were used in the COI screen for subsurface sediment and to evaluate risk to the outdoor worker from exposure to subsurface sediment.
2016 Residential Soil Study (TAI, 2016b)	IC Residential beach sediment (0 to 15 cm)	Collected from beaches on rural residential properties within and downstream of the 2014 Study boundary to support the HHRA.	Yes	Yes	Sample results were used in the COI screen, to evaluate risk to residents who own a property with a beach, and to estimate uptake by waterfowl.

Table 2-6: Public Beach Sediment Samples and Analyses Used in the HHRA

	Surface Sediment						Subsurface Sediment	
Beach Name/DU	TAL Metals [A] (calculated <250um result)	Lead, Arsenic IVBA [B] (calculated <250um result)	Lead, Arsenic (measured <250um result)	TAL Metals (measured <250um result)	Lead IVBA (measured <250um result)	Arsenic IVBA (measured <250um result)	TAL Metals [C] (measured <250um result)	Lead, Arsenic IVBA [C] (measured <250um result)
AA Campground	5	1						
Barnaby Island Campground	5	1						
Black Sand	5	1						
Bossburg Flat - 2011	5	1	5		5			
Bossburg Flat - F-01							3	3
Bossburg Flat - SDU-01				1	1	1	3	3
Bossburg Flat - SDU-02				1[D]	1	1	3	3
Bossburg Flat - SDU-03				1[D]	1	1	3	3
Bossburg Flat - SDU-04				1	1	1	3	3
Bossburg Flat - SDU-08				1	1	1	3	3
Bossburg Flat - SDU-09				1	1	1	3	3
Bossburg Flat - SDU-10				1	1	1	3	3
Bradbury	5	1						
China Bend	5	1						
Colville Flats	5	1						
Colville River	5	1						
Crescent Bay	5	1						
Dalles Orchard	3	1						
Enterprise	5	1						
Evans Campground - 2011	5	1	5		5			
Evans Campground - SDU-05				1	1	1	3	3
Evans Campground - SDU-06				1[D]	1	1	3	3
Evans Campground - SDU-07				1[D]	1	1	3	3
Flat Creek	5	1	5		5			
Hawk Creek	5	1						
Hunters	5	1						
Jones Bay	5	1						
Kamloops Island	5	1						
Kettle Falls	5	1						
Lyons Island	5	1	5		5			
McGuires	5	1						
Mitchell Point	5	1						
Naborlee	5	1						
Nez Perce	5	1						
Northport Beach	3	1						
R.V. Park	5	1						
Seven Bays	5	1						
Spring Canyon	5	1						

Table 2-6: Public Beach Sediment Samples and Analyses Used in the HHRA

Beach Name/DU	Surface Sediment						Subsurface Sediment	
	TAL Metals [A] (calculated <250um result)	Lead, Arsenic IVBA [B] (calculated <250um result)	Lead, Arsenic (measured <250um result)	TAL Metals (measured <250um result)	Lead IVBA (measured <250um result)	Arsenic IVBA (measured <250um result)	TAL Metals [C] (measured <250um result)	Lead, Arsenic IVBA [C] (measured <250um result)
Summer Island	5	1						
Swawilla Basin	5	1						
Swimming Hole	5	1	5		5			
Welty Bay	5	1						
Whitestone Campground	5	1						
Wilmont Creek	5	1						

[A] One composite sample was sieved into five size fractions: <2 mm, <2 mm to 250 micrometers (µm), <250 to 125 µm, < 125 to 63 µm, and < 63 µm. All other samples were sieved to <2 mm.

[B] IVBA was run on one composite sample that was sieved into four size fractions: <2 mm to 250 micrometers (µm), <250 to 125 µm, < 125 to 63 µm, and < 63 µm.

[C] Three field replicate core samples were collected at each DU from each of the following depth intervals: 0-15 cm, 15-30 cm, and 30-45 cm. Sample counts in this table represent the number of parent core samples collected (1 parent sample from each depth interval). Results from the 3 depth intervals were reduced to a single sample result for each core for use in the HHRA. Field replicates were utilized as individual samples for non-lead analyses.

[D] Three field replicates collected and utilized as individual samples for non-lead analyses.

Table 2-7. Number of Planned and Actual Soil Samples by Area, Bossburg Flat Beach Refined Sediment and Soil Study (TAI, 2016a)

Decision Unit or Area	Field Laboratory				Cores (depth)					
	ICS[a]		XRF[b]		0-15 cm		15-30 cm		30-45 cm	
	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual
UDU-01	1	1	7	7	3	3	3	3	3	3
UDU-02	1	1	6	6	3	3	3	3	3	3
UDU-03	1	1	8	8	3	3	3	3	3	3
UDU-04	3[c]	3[c]	5	5	3	3	3	3	3	3
UDU-05	1	1	13	13	3	3	3	3	3	3
UDU-06	1	1	5	5	3	3	3	3	3	3
Total	8	8	44	44	18	18	18	18	18	18

Notes:

[a] When using incremental composite (IC) sampling methods, 30 increments were collected and composited in the field to form a single sample for each decision unit (DU).

[b] Laboratory analyses were conducted on 24 percent of the field laboratory X-ray fluorescence (XRF) samples to confirm lead concentrations measured using the handheld XRF analyzer (i.e., confirmatory XRF samples).

[c] Triplicate samples collected using IC sampling methods (ITRC, 2012).

UDU - upland decision unit

Table 2-8. Summary of ADA Soil Samples, 2014 Upland Soil Study (TAI, 2015a)

Sampling Area	No. DUs Sampled	No. Triplicate Samples Per Sampling Area	Total No. Samples Per Sampling Area	No. DUs Sampled for QC – EPA Split	No. DUs Sampled for QC – Field Split	No. DUs Sampled for QC - Triplicate	No. DUs Sampled for QC – Field Equipment Rinsate Blank
ADA							
High-density	35	18	47	10	6	6	6
Primary	91	24	107	17	10	8	10
Reserve	16	6	20	0	2	2	0
Total	142	48	174	27	18	16	16

Table 2-9. Summary of RFDA Soil Samples, 2014 Upland Soil Study (TAI, 2015a)

Sampling Area	No. DUs Sampled	No. Triplicate Samples Per Sampling Area	Total No. Samples Per Sampling Area	No. DUs Sampled for QC – EPA Split	No. DUs Sampled for QC – Field Split	No. DUs Sampled for QC - Triplicate	No. DUs Sampled for QC – Field Equipment Rinsate Blank
RFDA							
RFA	5	3	7	1	1	1	1
RFB	3	3	5	0	1	1	1
RFC	6	3	8	1	1	1	1
RFD	2	3	4	0	1	1	1
RFE	0	0	0	0	0	0	0
Total	16	12	24	2	4	4	4

Table 2-10. 2014 Residential Soil Study Sample Collection Chronology (CH2MHill, 2016a)

Date	Number of Incremental Composite Samples	Number of Discrete Samples	Number of Equipment Blanks	Decision Units
8/18/2014	5	5	1	14, 15, 15DL
8/19/2014	8	0	2	16, 17, 280DL, 280yard
8/20/2014	9	6	2	13, 192, 40, 40DL, 9
8/21/2014	12	6	2	1060, 151DL, 186, 192, 192DL, 280, 320new
8/22/2014	11	18	2	151, 152, 185, 185DL, 186, 186DL
8/23/2014	6	5	2	185G, 317, 317M, 319
8/25/2014	12	6	3	318, 319, 319DL, 85, 85DL, 86, 87
8/26/2014	13	12	1	253, 254DL, 288, 319M, 87, 94M
8/27/2014	13	0	2	226A, 226DL, 251B, 288G1, 288G2, 289G3, 291
8/28/2014	14	18	2	116DL, 116M, 226, 226C, 289G3, 999DL2, 999M1, 999M2
8/29/2014	17	6	2	116M, 284DL, 284M, 315, 999DL1, 999G1, 999M3
9/3/2014	12	10	2	284M, 285M, 287, 303, 316, 59
9/4/2014	16	12	2	206, 306, 55, 59, 59A, 59DL
9/6/2014	17	5	2	208, 208BM, 208DL, 209A, 229, 55DL, 56, 58
9/8/2014	15	5	2	123, 135, 208AA, 208BM, 208G, 230G
9/9/2014	14	11	2	110, 110DL, 110G, 111, 112, 112DL, 112G, 208BM, 213
9/10/2014	14	18	2	112, 113low, 113up, 259, 403, 410, 412, 420
9/11/2014	12	11	2	258, 411, 413, 421, 430, 431
9/12/2014	16	5	2	249, 250, 431, 432, 440, 441, 442, 49
9/13/2014	13	17	2	203, 204, 216, 250, 255
9/15/2014	19	12	2	115SP, 197, 201, 201DL, 201G, 21, 21G, 7
9/16/2014	16	18	2	1020, 1021, 109, 109DL, 193, 193DL, 201G, 202
9/17/2014	19	24	2	1020, 194, 195, 196, 35, 35DL, 800B, 801
9/18/2014	19	6	2	1030, 170, 224, 35PA, 39, 401, 402
9/19/2014	18	6	2	1015, 1017, 1018, 42, 42DL, 44, 46, 47
9/20/2014	17	24	2	121, 121DL, 122, 62, 62DL2, 62G, 82
9/22/2014	13	5	1	25, 25DL, 27, 28, 29, 30, 31
9/23/2014	18	11	2	160, 163, 163G, 164, 324, 325, 326, 327
9/24/2014	20	17	2	154, 154DL, 167, 174M, 175, 238G, 238M, 246
9/25/2014	19	23	2	146, 146G, 147, 176G, 176M, 177, 18, 18DL, 20, 61
9/26/2014	20	22	2	168, 169, 18, 33, 345, 346, 60, 75
9/27/2014	17	6	2	106, 107, 108, 168DL, 169A, 172U, 347
9/29/2014	16	19	2	173, 187DL, 218, 22, 66, 67
9/30/2014	15	11	2	1035, 1036, 1037, 189, 3004
10/1/2014	14	11	2	231, 231DL, 231Lower, 3000, 3001, 3003
10/2/2014	19	5	2	1005, 1006, 1007, 1008, 1009DL, 1010, 1011, 72, 72M
10/3/2014	13	6	2	1000, 1001, 70, 71, 72U
Total	**541**	**402**	**72**	**235**

Table 2-11. Summary of Sample Counts by Decision Unit Category, 2014 UCR Residential Soil Study (CH2MHill, 2016a)

	IC Samples				Discrete Samples		
DU Category	**Primary**	**Replicate 1**	**Replicate 2**	**Total**	**Primary**	**Duplicate**	**Total**
Agriculture	18	12	12	42	0	0	0
Animal Activity Area	1	1	1	3	0	0	0
Beach	15	15	15	45	5	1	6
Dripline	34	0	0	34	0	0	0
Garden	38	23	23	84	15	2	17
House	64	60	60	184	285	43	328
Other Not Specified	58	36	36	130	30	5	35
Play Area	7	6	6	19	15	1	16
Total	235	153	153	541	350	52	402

Table 2-12. Summary of Total Soil Samples Collected, 2016 Residential Soil Study (TAI, 2017a)

DU Type	No. DUs Sampled	Total No. IC Samples (Including Field Samples and Field Replicates)	Total No. of Discrete Samples (Including Samples Collected at 2 Depths and Field Duplicates)
Agricultural Area	27	35	36
Beach	7	11	0
Dripline	9	9	0
Garden	106	142	0
House	138	268	180
Animal/Livestock Area	31	37	0
Other Area (includes Tribal Allotments)	123	219	120
Play Area	11	19	12
Total	452	740	348

Table 2-13. Summary of Field QC Samples Collected by DU Type, 2016 Residential Soil Study (TAI, 2017a)

DU Type	No. DUs Sampled	Number of QC Samples by DU Type			
		EPA Split	Discrete Field Duplicate[a]	IC Field Replicate[b]	Field Equipment Rinsate Blanks
IC Soil Sampling					
Agricultural Area	27	7	0	8	2
Beach	7	1	0	4	0
Dripline	9	3	0	0	1
Garden	106	16	0	36	4
House	138	41	0	130	6
Animal/Livestock Area	31	4	0	6	1
Other Area (includes Tribal Allotments)	123	34	0	96	10
Play Area	11	7	0	8	1
Total	452	113	0	288	25
Discrete Soil Sampling					
Agricultural Area	3	3	6	0	1
Beach	0	0	0	0	0
Dripline	0	0	0	0	0
Garden	0	0	0	0	0
House	15	28	30	0	3
Animal/Livestock Area	0	0	0	0	0
Other Area (includes Tribal Allotments)	10	20	20	0	0
Play Area	1	2	2	0	0
Total	29	53	58	0	4

[a]Discrete soil sample counts reflect one field duplicate collected from each of two depths at each discrete sample DU.
[b]At each triplicate IC DU, two IC replicates were collected in addition to the primary IC field sample.

Table 2-14. Summary of Outdoor Air Data[a]

Month	2002	2003	2004	2005	2006	2007	2008	2009
January	5	5	4	3	5	5	6	6
February	5	4	3	5	5	4	4	1
March	5	5	3	5	5	6	6	0
April	5	5	4	4	5	5	5	0
May	5	5	5	4	5	5	4	0
June	5	5	4	4	5	5	5	0
July	5	5	4	3	5	4	5	0
August	3	6	6	0	5	5	5	0
September	5	2	5	0	5	5	5	0
October	5	3	5	3	5	5	5	0
November	5	5	5	3	5	5	4	0
December	5	5	5	4	6	5	5	0
Total	58	55	53	38	61	59	59	7

[a]Samples collected in Northport from 2002 through 2009 are those that were used to perform risk calculations. Older data were excluded.

Table 2-15. Summary of Fish Tissue Composite Samples, EPA Phase I 2005 Fish Tissue Study (CH2MHill, 2007)

Species	Collection Area						Total	QA Samples
	FSCA 1	FSCA 2	FSCA 3	FSCA 4	FSCA 5	FSCA 6		
Walleye	5 fillet, 5 offal	5 whole body	5 fillet, 5 offal	5 whole body	3 whole body	5 fillet, 5 offal, 2 whole body	45	2
Wild rainbow trout	5 fillet, 5 offal	5 whole body[1]	2 fillet, 2 offal	0	1 whole body	1 fillet, 1 offal[2]	22	3
Hatchery rainbow trout	0	0	3 fillet, 3 offal	5 whole body	5 whole body	4 fillet, 4 offal	24	3
Lake whitefish	0	5 whole body	5 whole body	5 whole body	5 whole body	2 whole body[3]	22	2
Mountain whitefish	5 whole body	0	0	0	0	0	5	1
Largescale sucker	3 whole body	4 whole body	4 whole body	5 whole body	5 whole body	4 whole body	25	3
Largescale sucker – gut	2	0	1	0	0	1	4	1
Burbot	0	3 whole body[4]	5 whole body	4 whole body	5 whole body	5 whole body	22	2

[1] Four 5-fish composites and 1 3-fish composite.
[2] One 4-fish fillet composite and 1 4-fish offal composite.
[3] One 3-fish composite from each collection period (September and October).
[4] Three 3-fish composites.

Table 2-16. Summary of Laboratory Analyses by Fish Species and Type, EPA Phase I 2005 Fish Tissue Study (CH2MHill, 2007)

Species and Tissue Type	TAL Metals	Inorganic Arsenic	PCB Aroclors	PCB Congeners	Dioxin/Furan Congeners	Percent Lipids	Percent Moisture
Walleye – Fillet	15	3	15	3	15	15	15
Walleye – Offal	15	3	15	3	15	15	15
Walleye – Whole body	17	5	17	3	17	17	17
Wild rainbow trout – fillet	9	3	9	2	9	9	9
Wild rainbow trout – offal	9	3	9	2	9	9	9
Wild rainbow trout – whole body	8	3	9	2	9	9	9
Hatchery rainbow trout – fillet	8	2	8	2	8	8	8
Hatchery rainbow trout – offal	8	2	8	2	8	8	8
Hatchery rainbow trout – whole body	12	2	12	2	12	12	12
Lake whitefish – whole body	24	2	24	5	24	24	24
Mountain whitefish – whole body	7	3	7	1	7	7	7
Largescale sucker – whole body	29	4	29	6	29	29	29
Largescale sucker – gutless	22	6	0	0	0	0	0
Largescale sucker – gut/contents	22	6	0	0	0	0	0
Burbot – whole body	24	4	24	5	24	24	24
Total	229	51	185	38	185	185	185

Table 2-17. Summary of Fish >30 cm in Length Collected During the 2009 Fish Tissue Sampling Program (TAI, 2013a)

	Collection Area					
Species	**FSCA 1**	**FSCA 2**	**FSCA 3**	**FSCA 4**	**FSCA 5**	**FSCA 6**
Burbot	1 fillet and 1 remainder composite (1 fish each)	3 fillet and 3 remainder composites (1 fish each)	5 fillet and 5 remainder composites (4 contained 3 fish each, 1 contained 2 fish each)	6 fillet and 6 remainder composites (5 fish each)	6 fillet and 6 remainder composites (5 fish each)	5 fillet and 5 remainder composites (5 fish each)
Kokanee	6 fillet and 6 remainder composites (5 contained 5 fish each, 1 contained 4 fish each)	6 fillet and 6 remainder composites (5 contained 5 fish each, 1 contained 4 fish each)	6 fillet and 6 remainder composites (5 fish each)	6 fillet and 6 remainder composites (5 fish each)	6 fillet and 6 remainder composites (5 contained 5 fish each, 1 contained 3 fish each)	5 fillet and 5 remainder composites (5 fish each)
Lake whitefish	0	0	6 fillet and 6 remainder composites (5 fish each)	6 fillet and 6 remainder composites (5 fish each)	4 fillet and 4 remainder composites (5 fish each)	0
Largescale sucker	3 fillet and 3 remainder composites (1 fish each)	5 fillet and 5 remainder composites (4 contained 2 fish each, 1 contained 3 fish each)	5 fillet and 5 remainder composites (5 fish each)	9 fillet and 9 remainder composites (1 fish each)	4 fillet and 4 remainder composites (1 fish each)	6 fillet and 6 remainder composites (5 fish each)
Longnose sucker	0	6 fillet and 6 remainder composites (1 fish each)	0	5 fillet and 5 remainder composites (4 contained 2 fish each, 1 contained 3 fish each)	0	0
Mountain whitefish	3 fillet and 3 remainder composites (1 fish each)	4 fillet and 4 remainder composites (1 fish each)	0	0	0	0
Rainbow trout	6 fillet and 6 remainder composites (5 contained 5 fish each, 1 contained 4 fish each)	6 fillet and 6 remainder composites (5 contained 5 fish each, 1 contained 3 fish each)	6 fillet and 6 remainder composites (5 contained 5 fish each, 1 contained 4 fish each)	6 fillet and 6 remainder composites (5 fish each)	6 fillet and 6 remainder composites (5 fish each)	6 fillet and 6 remainder composites (5 fish each)

Table 2-17. Summary of Fish >30 cm in Length Collected During the 2009 Fish Tissue Sampling Program (TAI, 2013a)

	Collection Area					
Species	**FSCA 1**	**FSCA 2**	**FSCA 3**	**FSCA 4**	**FSCA 5**	**FSCA 6**
Smallmouth bass	0	1 fillet and 1 remainder composite (1 fish each)	9 fillet and 9 remainder composites (1 fish each)	2 fillet and 2 remainder composites (1 fish each)	3 fillet and 3 remainder composites (2 contained 5 fish each, 1 contained 3 fish each)	9 fillet and 9 remainder composites (5 contained 1 fish each, 4 contained 5 fish each); 5 fillet composites (5 fish each) for total mercury analysis
Walleye	5 fillet and 5 remainder composites (4 contained 5 fish each, 1 contained 4 fish each)	6 fillet and 6 remainder composites (5 fish each); 13 individual fish for total mercury analysis	6 fillet and 6 remainder composites (5 fish each); 15 individual fish for total mercury analysis	6 fillet and 6 remainder composites (5 fish each); 7 individual fish for total mercury analysis	6 fillet and 6 remainder composites (5 fish each); 2 individual fish for total mercury analysis	6 fillet and 6 remainder composites (5 fish each); 4 individual fish for total mercury analysis

Table 2-18. Summary of Mussel Composite Collection Locations

Composite	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Sanpoil River
1	MB05 (S)	MB04, MB05 (S)	MB01, MB04 (S)	MB18 (F)	MB21 (F)	MB01, MB07, MB08 (S)	MB03, MB04, MB09 (S)
2	MB05 (S)	MB05 (S)	MB04, MB06 (S) MB14 (F)	MB18 (F)	MB21 (F)	MB03, MB05, MB09, MB11 (S), MB12 (F)	MB1 (S), MB34 (F)
3	MB43 (F)	MB05 (S)	MB14 (F)	MB18 (F)	MB21 (F)	MB11, MB12 (F)	MB34 (F)
4	MB43 (F)	MB06 (S)	MB14 (F)	MB19 (F)	MB22 (F)	MB11 (F)	MB34 (F)
5	MB43 (F)	MB06 (S)	MB14 (F)	MB19 (F)	MB23, MB24 (F)	MB11 (F)	MB34 (F)
6	MB43 (F)	MB06 (S)	MB14 (F)	MB19 (F)	MB24	MB11, MB12 (F)	MB35, MB36, MB38, MB41, MB42 (F)

Table 2-19. Summary of Shellfish Tissue Composite Samples, TAI 2016 Macroinvertebrate Tissue Study

Species	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Sanpoil River	Buffalo Lake
Mussel								
Anodonta sp.	6	6	6	6	6	6	0	0
Western pearlshell	0	0	0	0	0	0	6	0
Total	6	6	6	6	6	6	6	0
Crayfish[1]								
Signal	0	1	0	0	1	0	1	0
Northern	0	5	6	6	4	6	5	6
Signal plus Northern	0	0	0	0	1	0	0	0
Total	0	6	6	6	6	6	6	6
Clams								
Corbicula sp.	0	0	0	0	0	1	0	0

[1]Crayfish samples from Areas 3 and 4 were whole body composites. Crayfish samples from Areas 2, 5, 6, Buffalo Lake and the Sanpoil River were submitted for separate analysis of whole body minus stomach carapace and stomach/carapace.

Table 2-20. Summary of Laboratory Analyses by Sampling Area, TAI 2016 Macroinvertebrate Tissue Study (TAI, 2017c)

Analyses	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Sanpoil River	Buffalo Lake
TAL Metals	X	X	X	X	X	X	X	X
Methyl-mercury		X			X	X	X	X
Inorganic arsenic		X			X	X	X	X
PCB congeners		X			X	X	X	X
Dioxins/furans		X			X	X	X	X
Total solids	X	X	X	X	X	X	X	X

Table 2-21. Plant Tissue Samples Collected During the 2018 Plant Tissue Study

Scientific Name	Common Name	Plant Part Collected
Bryoria fremontii	Black Tree Lichen	Entire
Camassia quamash	Camas	Bulb
Arctostaphylos uva-ursi	Kinnikinnick	Leaves
Lomatium tritermatum	Lomatium	Root
Claytonia lanceolata	Spring Beauty/Indian Potato	Corm
Vaccinium cespitosum	Huckleberry	Berry
Rosa sp.	Wild Rose	Stems and leaves
Rosa sp.	Wild Rose	Rose hips
Prunus virginiana	Chokecherry	Berry
Corylus cornuta var. californica	Hazelnut	Nut
Pinus ponderosa	Ponderosa Pine	Nut
Amelanchier alnifolia	Sarvisberry	Berry
Mentha arvensis	Wild Mint	Leaves
Schoenoplectus acutus	Tule	Culm
Salix exigua	Willow	Stems

Table 3-1. Summary of Exposure Areas by Medium

Medium		Exposure Area[b]
Sediment	Public (Recreational) Beach	Beach
	Bossburg Flat and Evans Campground[a]	Individual SDU[c]
	Residential Beach	Individual DU
	Subsurface[a]	Individual SDU
Surface Water		UCR Reaches 1-6 combined
Fish		UCR Reaches 1-6 combined
Soil	Residential Soil	Individual DU
	Upland Soil	Individual ADA
	Bossburg Flat and Evans Campground	Individual UDU
	Relict Floodplain	Individual RFDA
Outdoor Air		Entire Site
Indoor Air		Entire Site
Indoor Dust		Individual DU or ADA

[a]2015 sampling event
[b]SDU = Sediment Decision Unit; DU = Decision Unit; ADA = Aerial Deposition Area; UDU = Upland Decision Unit; RFDA = Relict Floodplain Deposition Area
[c]Includes Bossburg Sample F-01

Table 3-2. Mean Site-Wide Concentrations of COPCs in Particles <2 mm from the Surface and Subsurface Sediment Depth Horizons

Analyte	0-15 cm Horizon Mean Concentration (ppm)	15-45 cm Horizon Mean Concentration (ppm)	0-45 cm Horizon[a] Mean Concentration (ppm)
Antimony	5.98	5.18	5.58
Arsenic	5.99	6.09	6.04
Chromium	19.5	18.8	19.2
Cobalt	8.56	8.13	8.34
Iron	29000	29000	29000
Lead	130	95.9	113
Manganese	505	505	505

[a]Core samples from 0-15 cm and 15-45 cm were averaged together for 0-45 cm.
Note: These data are from the 2009-2011 sampling event.

Table 3-3. Medium-Specific Exposure Scenarios and Parameters Used to Derive RBSLs for COI Screening

Medium	Exposure Scenarios in CSM	Exposure Parameters	Notes	Intake for Screening[1]	Exposure Scenario used for RBSL
Surface Water[2]	Recreational Visitor, Outdoor Worker, Resident with a beach, Tribal Receptor	Recreational Visitor: EF (days/yr) = 20 (adult), 16 (child) ET (hr/day) = 3 (adult), 1.5 (child) IR (ml/hr) = 71 (adult), 120 (child) Outdoor Worker: EF (days/yr) = 250 ET (hr/day) = 1 IR (ml/hr) = 30 Resident with Beach: EF (days/yr) 20 (adult), 16 (child) ET (hr/day) = 3 IR (ml/hr) = 71 (adult), 120 (child) Tribal Receptor: EF (days/yr) = 91 ET (hr/day) = 10 IR (ml/hr) = 21 (adult), 49 (child)	Recreational and Resident with Beach child and adult EFs are 95th percentile values for beach daytrips for all UCR reaches combined (adults 7+ yrs old, children 0-6 yrs old; SRC, 2019a). ETs for recreators and residents with a beach are 95th percentile values for swimming beach trips for all UCR reaches combined (adults 7+ yrs old, children 0-6 yrs old; SRC, 2019a). Worker assumed to be general outdoor worker; EF taken from EPA (2014a, 2019a). EF for outdoor worker is the value for an indoor worker. Worker ET based on professional judgement. Worker IR is based on the value proposed for a recreational scenario (EPA, 1998a). Child and adult EF and ET for the Tribal receptor from the Tribal Survey: 95th percentile values for time spent engaging in activities in water, age/sex combined (SRC, 2019b). Surface water IRs for recreators and residents with beach taken from the EPA RSL Calculator (EPA, 2019a). IRs for the tribal receptor are mean values for water ingestion while swimming (EPA, 2011a), as water-related activities evaluated in this exposure pathway are assumed to have lower	Recreator intake: • Adult: 4.3 L/yr • Child: 2.9 L/yr Outdoor Worker intake: • Adult: 7.5 L/yr Resident with Beach intake: • Adult: 4.3 L/yr • Child: 2.9 L/yr Tribal Receptor intake: • **Adult: 19.1 L/yr** • **Child: 44.6 L/yr**	Tribal (adult/child) Scenario

[1] Pathway in bold represents the scenario that was used to calculate RBSLs for the COI screen.
[2] Exposure is incidental ingestion, not ingestion of potable water.

Table 3-3. Medium-Specific Exposure Scenarios and Parameters used to derive RBSLs for COI Screening

Medium	Exposure Scenarios in CSM	Exposure Parameters	Notes	Intake for Screening[1]	Exposure Scenario used for RBSL
			ingestion rates than swimming.		
Public beach surface sediment/soil	Recreational Visitor, Outdoor Worker	Recreational Visitor: EF (days/yr) = 20 (adult), 16 (child) IR (mg/day) = 100 (adult), 200 (child) Outdoor Worker: EF (days/yr) = 250 IR (mg/day) = 100	Recreational child and adult EF are 95th percentile values for beach day-trips for all UCR reaches combined (children are 0-6 yrs old, adults are 7+ yrs old; SRC, 2019a). Sediment IRs for recreational visitors taken from EPA RSL Calculator (EPA, 2019a). Worker assumed to be general outdoor worker; EF taken from EPA (2014a, 2019a) and assumed to be the value for an indoor worker. IR for outdoor worker taken from EPA (2014a).	Recreator intake: • Adult: 2 g/yr • Child: 3.2 g/yr Outdoor Worker intake: • **Adult: 25 g/yr**	Outdoor Worker Scenario
Public beach subsurface sediment	Outdoor worker	Outdoor worker: EF (days/yr) = 250 IR (mg/day) = 100	Worker assumed to be general outdoor worker; EF taken from EPA (2014a, 2019a) and assumed to be the value for an indoor worker. IR taken from EPA (2019a).	Outdoor Worker intake: • **Adult: 25 g/yr**	Outdoor Worker Scenario
Beach surface sediment on residential properties	Current Resident, Tribal Receptor	Current Resident: EF (days/yr) = 154 IR (mg/day) = 100 (adult), 200 (child) Tribal Receptor: EF (days/yr) = 65 IR (mg/day) = 200	Residential EF adjusted to be consistent with the "seasonal recreational visitor" in the HHRA work plan (SRC, 2009). Child and adult EF for the Tribal receptor from the Tribal Survey: 95th percentile values for engaging in activities on land, age/sex combined (SRC, 2019b). Sediment IR for tribal receptor is based on Doyle et al. (2012), Irvine et al. (2014), and EPA (2019a).	Current Resident intake: • Adult: 15.4 g/yr • **Child: 30.8 g/yr** Tribal Receptor intake: • Adult: 13 g/yr • Child: 13 g/yr	Current Resident (child) Scenario
Relict floodplain beach soil	Recreational Visitor	Recreational Visitor: EF (days/yr) = 20 (adult), 16 (child) IR (mg/day) = 100 (adult), 200 (child)	Recreational child and adult EF are 95th percentile values for beach daytrips for all UCR reaches combined (children are 0-6 yrs old, adults are 7+ yrs old; SRC, 2019a).	Recreator intake: • Adult: 2 g/yr • **Child: 3.2 g/yr**	Recreator (child) Scenario

Table 3-3. Medium-Specific Exposure Scenarios and Parameters used to derive RBSLs for COI Screening

Medium	Exposure Scenarios in CSM	Exposure Parameters	Notes	Intake for Screening[1]	Exposure Scenario used for RBSL
			Sediment/beach soil IRs for recreational visitors taken from EPA RSL Calculator (EPA, 2019a).		
Outdoor air	Resident, Recreational Visitor, Tribal Receptor, Outdoor Worker	Resident: EF (days/yr) = 350 ET (hr/day) = 3.1 (adult), 1.6 (child) Recreational Visitor: EF (days/yr) = 260 ET (hr/day) = 24 Outdoor Worker: EF (days/yr) = 250 ET (hr/day) = 8 Tribal Receptor: EF (days/yr) = 350 ET (hr/day) = 24	Residential EF and ET taken from EPA (2011a). Outdoor worker EF and ET taken from EPA (2014a). Recreational child and adult EF assume year-round exposure 5 days/week; ET based on professional judgement, assuming camping trips would involve 24-hour exposure to outdoor air. ET for the Tribal receptor is based on professional judgement.	Resident intake: • Adult: 1085 hr/yr • Child: 560 hr/yr Recreator intake: • Adult: 6240 hr/yr • Child: 6240 hr/yr Outdoor Worker intake: • Adult: 2000 hr/yr Tribal Receptor intake: • **Adult: 8400 hr/yr** • **Child: 8400 hr/yr**	Tribal (adult/child) Scenario
Soil: Residential Soil Study data	Resident (current use), Tribal Receptor	Current Resident: EF (days/yr) = 350 IR (mg/day) = 100 (adult), 200 (child) Tribal Receptor: EF (days/yr) = 350 IR (mg/day) = 200	Residential EF and IR taken from EPA (2011a, 2014a). Child and adult EF for Tribal receptor is the same as the residential scenario, as these residents live in the area year-round. Soil IR for Tribal receptor is based on Doyle et al. (2012), Irvine et al. (2014), and EPA (2019a).	Resident intake: • Adult: 35 g/yr • **Child: 70 g/yr** Tribal Receptor intake: • **Adult: 70 g/yr** • **Child: 70 g/yr**	Current Resident (child) Scenario[3]
Soil: Upland Soil Study data	Resident (future use)	Future Resident: EF (days/yr) = 350 IR (mg/day) = 100 (adult), 200 (child)	Residential EF and IR taken from EPA (2011a, 2014a).	Future resident intake: • Adult: 35 g/yr • **Child: 70 g/yr**	Future Resident (child) Scenario
Fish	Recreational Visitor, Resident with	Recreational Visitor[4]: IR (g/day) = 28 (adult), 14 (child)	Fish IRs for the recreator, resident and resident with a beach are the 95th percentile (consumers only) for combined diary and recreational use	Recreator intake: • Adult: 28 g/day • Child: 14 g/day	Tribal (adult) Scenario

[3] Given that the exposure parameters for incidental soil ingestion are similar or the same for the current child resident and Tribal scenarios, the current child resident was the exposure scenario used for the COI screen.

[4] Fish consumption rates from EPA's 2014 analysis of NHANES data by Westat, for freshwater and estuarine finfish and shellfish (raw, edible portion) are as follows: Males <21 years old – median = 1.2 g/day, 95th percentile = 13.7 g/day. Males >21 years old – median = 6.2 g/day, 95th percentile = 38.0 g/day (EPA, 2014d).

Table 3-3. Medium-Specific Exposure Scenarios and Parameters used to derive RBSLs for COI Screening

Medium	Exposure Scenarios in CSM	Exposure Parameters	Notes	Intake for Screening[1]	Exposure Scenario used for RBSL
	Beach, Tribal Scenario	Resident and Resident with Beach: IR (g/day) = 28 (adult), 14 (child) Tribal Receptor: IR (g/day) = 33.5 (adult), 4.8 (child)	data from the RecUse survey (SRC, 2019a). Fish 95th percentile IRs for tribal receptor adult and child are the 95th percentile values for children (0-17 yr old males and females) and adults (18+ yr old males), based on the 12/14/17 memorandum from Mountain Whisper Light to CH2M (MWL, 2017).	Resident and resident with a beach intake: • Adult: 28 g/day • Child: 14 g/day Tribal receptor intake: • **Adult: 33.5 g/day** • Child: 4.8 g/day	
Indoor air	Resident, Tribal Receptor	COPCs for outdoor air; no separate COI screen needed.			
Indoor dust	Resident, Tribal Receptor	COPCs for Residential soil; no separate COI screen needed.			

Table 3-4. COI Screen for Surface Water

Surface Water Type	Analyte	Unit	N	N Detect	Site-Wide Detection Frequency (%)	Max Reach Detection Frequency (%)	Maximum Detected Concentration	RBSL (ug/L)	FreqDet>5 %?	Essential Nutrient?	Max> RBSL?	COPC?[a]
Disturbed	4,4'-DDD	ug/L	18	18	1	33	1 20E-03	6 22E-03	yes		no	no
Disturbed	4-Chloro-3-methylphenol	ug/L	17	17	1	33	3 70E-02	2 54E+02	yes		no	no
Disturbed	Acenaphthene (SIM)	ug/L	18	18	3	67	6 10E-04	6 53E+01	yes		no	no
Disturbed	Acenaphthylene (SIM)	ug/L	18	18	2	33	6 00E-04	NA	yes		noRBSL	no
Disturbed	Aldrin	ug/L	18	18	2	33	8 20E-04	6 19E-02	yes		no	no
Disturbed	alpha-Chlordane	ug/L	18	18	1	33	2 30E-03	2 90E-02	yes		no	no
Disturbed	Aluminum	ug/L	42	42	41	100	2 54E+04	1 09E+04	yes		yes	**yes**
Disturbed	Anthracene (SIM)	ug/L	18	18	3	33	1 80E-03	2 06E+02	yes		no	no
Disturbed	Antimony	ug/L	42	42	42	100	2 87E+00	2 63E+00	yes		yes	**yes**
Disturbed	Arsenic	ug/L	42	42	24	100	3 93E+00	5 22E-01	yes		yes	**yes**
Disturbed	Barium	ug/L	42	42	42	100	9 32E+02	8 60E+02	yes		yes	**yes**
Disturbed	Benzo(e)pyrene (SIM)	ug/L	18	18	2	67	5 70E-04	NA	yes		noRBSL	no
Disturbed	Benzo[b]fluoranthene (SIM)	ug/L	18	18	1	33	5 50E-04	2 40E+00	yes		no	no
Disturbed	Benzo[g,h,i]perylene (SIM)	ug/L	18	18	2	67	6 20E-04	NA	yes		noRBSL	no
Disturbed	Benzoic acid	ug/L	18	18	3	33	1 80E+00	2 74E+04	yes		no	no
Disturbed	Benzyl alcohol	ug/L	17	17	1	17	7 50E-02	9 50E+02	yes		no	no
Disturbed	Beryllium	ug/L	42	42	31	100	1 34E+00	1 26E+00	yes		yes	**yes**
Disturbed	bis(2-Ethylhexyl)phthalate	ug/L	18	18	2	33	7 20E-01	7 51E+01	yes		no	no
Disturbed	Cadmium	ug/L	42	42	36	100	1 25E+00	1 71E+00	yes		no	no
Disturbed	Calcium	ug/L	42	42	42	100	8 60E+04	NA	yes	yes	noRBSL	no
Disturbed	Cerium	ug/L	3	2	2	100	1 19E-01	NA	yes		noRBSL	no
Disturbed	Cesium	ug/L	3	2	2	100	3 00E-02	NA	yes		noRBSL	no
Disturbed	Chromium	ug/L	42	42	26	83	2 44E+01	2 64E-02	yes		yes	**yes**
Disturbed	Chrysene (SIM)	ug/L	18	18	1	33	2 00E-03	2 40E+02	yes		no	no
Disturbed	Cobalt	ug/L	42	42	38	100	3 17E+01	3 50E+00	yes		yes	**yes**
Disturbed	Copper	ug/L	42	42	40	100	4 10E+01	4 35E+02	yes		no	no
Disturbed	delta-BHC	ug/L	18	18	2	33	3 60E-04	NA	yes		noRBSL	no
Disturbed	Dysprosium	ug/L	3	2	1	50	1 40E-02	NA	yes		noRBSL	no
Disturbed	Europium	ug/L	3	2	2	100	1 50E-02	NA	yes		noRBSL	no
Disturbed	Fluorene (SIM)	ug/L	18	18	2	33	8 80E-04	3 50E+01	yes		no	no
Disturbed	Gadolinium	ug/L	3	2	1	50	1 00E-02	NA	yes		noRBSL	no
Disturbed	Hexachlorobenzene	ug/L	18	18	2	67	7 70E-04	6 58E-01	yes		no	no
Disturbed	Indeno[1,2,3-cd]pyrene (SIM)	ug/L	18	18	1	33	6 70E-04	2 40E+00	yes		no	no
Disturbed	Indium	ug/L	3	2	1	50	7 00E-03	NA	yes		noRBSL	no
Disturbed	Inorganic Arsenic	ug/L	42	42	41	100	2 85E+00	5 22E-01	yes		yes	**yes**
Disturbed	Iron	ug/L	42	42	40	100	4 36E+04	7 61E+03	yes		yes	**yes**
Disturbed	Lanthanum	ug/L	3	2	2	100	6 80E-02	NA	yes		noRBSL	no
Disturbed	Lead	ug/L	42	42	37	100	3 04E+01	NA	yes		noRBSL	yes[b]
Disturbed	Magnesium	ug/L	42	42	42	100	2 76E+04	NA	yes	yes	noRBSL	no
Disturbed	Manganese	ug/L	42	42	41	100	3 09E+03	6 94E+01	yes		yes	**yes**
Disturbed	Mercury	ug/L	42	42	30	100	1 15E-01	1 29	yes		no	no
Disturbed	Molybdenum	ug/L	41	41	38	100	8 68E-01	5 43E+01	yes		no	no
Disturbed	Naphthalene (SIM)	ug/L	18	18	1	17	5 20E-02	3 60E+01	yes		no	no
Disturbed	Neodymium	ug/L	3	2	2	100	6 00E-02	NA	yes		noRBSL	no
Disturbed	Nickel	ug/L	42	42	40	100	6 80E+01	1 49E+02	yes		no	no
Disturbed	Oxychlordane	ug/L	18	18	1	17	1 83E-03	NA	yes		noRBSL	no
Disturbed	PBDE_cong_153	ug/L	18	18	2	33	6 14E-06	2 46E+00	yes		no	no
Disturbed	PBDE_cong_209	ug/L	18	18	3	67	2 59E-04	8 59E+01	yes		no	no
Disturbed	Potassium	ug/L	42	42	42	100	1 14E+04	NA	yes	yes	noRBSL	no
Disturbed	Praseodymium	ug/L	3	2	1	50	2 00E-02	NA	yes		noRBSL	no
Disturbed	Rubidium	ug/L	3	2	2	100	1 03E+00	NA	yes		noRBSL	no
Disturbed	Samarium	ug/L	3	2	1	50	1 50E-02	NA	yes		noRBSL	no

Table 3-4. COI Screen for Surface Water

Surface Water Type	Analyte	Unit	N	N Detect	Site-Wide Detection Frequency (%)	Max Reach Detection Frequency (%)	Maximum Detected Concentration	RBSL (ug/L)	FreqDet>5 %?	Essential Nutrient?	Max> RBSL?	COPC?[a]
Disturbed	Scandium	ug/L	3	2	2	100	3 81E-01	NA	yes		noRBSL	no
Disturbed	Selenium	ug/L	42	42	13	80	5 00E-01	5 43E+01	yes		no	no
Disturbed	Silicon	ug/L	3	2	2	100	1 97E+03	NA	yes		noRBSL	no
Disturbed	Silver	ug/L	42	42	12	80	1 84E-01	2 08E+01	yes		no	no
Disturbed	Sodium	ug/L	42	42	42	100	5 24E+03	NA	yes	yes	noRBSL	no
Disturbed	Strontium	ug/L	3	2	2	100	9 36E+01	6 52E+03	yes		no	no
Disturbed	TEQ-DL PCBs (ND=0)	ug/L	18	18	8	67	6 72E-10	8 09E-06	yes		no	no
Disturbed	TEQ-DL PCBs (ND=1/2DL)	ug/L	18	18	8	67	4 85E-08	8 09E-06	yes		no	no
Disturbed	Thallium	ug/L	42	42	18	100	2 88E-01	1 09E-01	yes		yes	**yes**
Disturbed	Tin	ug/L	3	2	1	50	6 00E-02	6 52E+03	yes		no	no
Disturbed	Total NTV PBDEs (ND=0)	ug/L	18	18	11	67	9 11E-04	NA	yes		noRBSL	no
Disturbed	Total PCBs (non-dioxin-like congeners; ND=0)	ug/L	18	18	17	100	5 60E-04	2 63E+00	yes		no	no
Disturbed	Uranium	ug/L	42	42	42	100	3 14E+00	2 17E+00	yes		yes	**yes**
Disturbed	Uranium-238	pCi/L	18	18	16	100	4 01E-01	NA	yes		noRBSL	no
Disturbed	Vanadium	ug/L	42	42	39	100	3 30E+01	1 03E+01	yes		yes	**yes**
Disturbed	Yttrium	ug/L	3	2	2	100	5 00E-02	NA	yes		noRBSL	no
Disturbed	Zinc	ug/L	42	42	30	100	1 77E+02	3 42E+03	yes		no	no

RBSL = risk-based screening level; FreqDet = detection frequency; COPC = chemical of potential concern

[a]Chemicals with no toxicity values (i e , "no RBSL") were not evaluated quantitatively in this HHRA, as discussed in the uncertainty section (Section 6 0)

[b]Lead is considered a COPC in exposure media where it is found at concentrations above the detection limit

Table 3-5. COI Screen for Public Beach Surface Sediment

Analyte	units	N	N Detect	Site-wide Detection Frequecy (%)	Max Reach Detection Frequency (%)	Maximum Detected Concentration	FreqDet>5 %?	Essential Nutrient?	RBSL (mg/kg)	Max>RBSL?	COPC?[a]
1,1'-Biphenyl	mg/kg	66	2	3 0	16 7	2 45E-03	yes		4 09E+02	no	no
2,4'-DDD	mg/kg	66	1	1 5	16 7	1 60E-04	yes		6 54E+00	no	no
2,4'-DDE	mg/kg	66	4	6 1	16 7	1 70E-02	yes		6 54E+00	no	no
2,4'-DDT	mg/kg	66	9	13 6	25 0	5 70E-02	yes		6 54E+00	no	no
2-Methylnaphthalene	mg/kg	66	23	34 8	100 0	3 00E-02	yes		1 53E+02	no	no
4,4'-DDD	mg/kg	66	1	1 5	4 2	2 10E-03	no		5 29E+00	no	no
4,4'-DDE	mg/kg	66	12	18 2	33 3	6 30E-02	yes		9 62E+00	no	no
4,4'-DDT	mg/kg	66	20	30 3	54 2	2 00E-01	yes		6 54E+00	no	no
4-Methylphenol	mg/kg	66	5	7 6	25 0	4 65E-03	yes		4 54E+03	no	no
Acenaphthene	mg/kg	66	5	7 6	37 5	3 00E-03	yes		2 30E+03	no	no
Acenaphthylene	mg/kg	66	6	9 1	50 0	1 00E-03	yes		NA	noRBSL	no
Acetophenone	mg/kg	66	3	4 5	16 7	2 50E-02	yes		1 17E+04	no	no
alpha-Benzenehexachloride	mg/kg	66	1	1 5	14 3	2 30E-04	yes		2 02E-01	no	no
alpha-Chlordane	mg/kg	66	1	1 5	14 3	4 10E-04	yes		5 73E+00	no	no
Aluminum	mg/kg	205	205	100 0	100 0	3 59E+04	yes		1 17E+05	no	no
Anthracene	mg/kg	66	6	9 1	50 0	7 00E-03	yes		1 15E+04	no	no
Antimony	mg/kg	196	172	87 8	100 0	6 09E+01	yes		4 67E+01	yes	**yes**
Arsenic	mg/kg	205	203	99 0	100 0	4 20E+01	yes		2 03E+00	yes	**yes**
Barium	mg/kg	205	205	100 0	100 0	1 86E+03	yes		2 34E+04	no	no
Benzaldehyde	mg/kg	66	3	4 5	25 0	2 10E-02	yes		8 18E+02	no	no
Benzo[a]anthracene	mg/kg	66	17	25 8	100 0	8 40E-03	yes		1 07E+01	no	no
Benzo[a]pyrene	mg/kg	66	18	27 3	100 0	8 70E-03	yes		1 07E+00	no	no
Benzo[b]fluoranthene	mg/kg	66	23	34 8	100 0	1 40E-02	yes		1 07E+01	no	no
Benzo[g,h,i]perylene	mg/kg	66	19	28 8	100 0	7 60E-03	yes		NA	noRBSL	no
Benzo[k]fluoranthene	mg/kg	66	12	18 2	36 4	5 00E-03	yes		1 07E+02	no	no
Benzoic acid	mg/kg	54	1	1 9	16 7	1 10E-01	yes		1 82E+05	no	no
Benzyl alcohol	mg/kg	66	1	1 5	16 7	4 40E-03	yes		4 54E+03	no	no
Benzyl n-butyl phthalate	mg/kg	66	4	6 1	25 0	6 90E-03	yes		6 67E+02	no	no
Beryllium	mg/kg	205	205	100 0	100 0	2 82E+00	yes		2 34E+02	no	no
bis(2-Ethylhexyl)phthalate	mg/kg	66	5	7 6	25 0	2 05E-01	yes		9 07E+01	no	no
Cadmium	mg/kg	205	195	95 1	100 0	1 49E+01	yes		7 17E+01	no	no
Calcium	mg/kg	205	205	100 0	100 0	8 92E+04	yes	yes	NA	noRBSL	no
Caprolactam	mg/kg	66	2	3 0	9 1	1 50E-01	yes		2 27E+04	no	no
Carbazole	mg/kg	66	2	3 0	16 7	2 00E-03	yes		NA	noRBSL	no
Chromium	mg/kg	205	205	100 0	100 0	6 18E+01	yes		6 54E+00	yes	**yes**
Chrysene	mg/kg	66	27	40 9	100 0	1 70E-02	yes		1 07E+03	no	no
Cobalt	mg/kg	205	205	100 0	100 0	3 23E+01	yes		3 50E+01	no	no
Copper	mg/kg	205	205	100 0	100 0	1 23E+03	yes		4 67E+03	no	no
Dibenzo[a,h]anthracene	mg/kg	66	6	9 1	50 0	3 00E-03	yes		1 07E+00	no	no
Dibenzofuran	mg/kg	66	12	18 2	66 7	1 00E-02	yes		7 94E+01	no	no
Diethyl phthalate	mg/kg	66	3	4 5	25 0	5 00E-02	yes		3 63E+04	no	no
Dimethyl phthalate	mg/kg	66	4	6 1	28 6	1 70E-03	yes		NA	noRBSL	no
Fluoranthene	mg/kg	66	30	45 5	100 0	1 90E-02	yes		1 53E+03	no	no
Fluorene	mg/kg	66	9	13 6	66 7	3 00E-03	yes		1 53E+03	no	no
Hexachlorobenzene	mg/kg	66	7	10 6	50 0	8 50E-03	yes		2 04E+00	no	no
Indeno[1,2,3-cd]pyrene	mg/kg	66	15	22 7	83 3	6 30E-03	yes		1 07E+01	no	no
Iron	mg/kg	205	205	100 0	100 0	9 22E+04	yes		8 18E+04	yes	**yes**
Lead	mg/kg	205	205	100 0	100 0	2 31E+03	yes		NA	noRBSL	**yes**[b]
Magnesium	mg/kg	205	205	100 0	100 0	6 92E+04	yes	yes	NA	noRBSL	no
Manganese	mg/kg	205	205	100 0	100 0	1 87E+03	yes		2 80E+03	no	no
Mercury	mg/kg	205	189	92 2	100 0	2 25E+00	yes		3 50E+01	no	no
Naphthalene	mg/kg	66	22	33 3	100 0	4 25E-02	yes		7 67E+02	no	no
Nickel	mg/kg	205	205	100 0	100 0	5 95E+01	yes		1 28E+03	no	no
PBDE_cong_153	mg/kg	6	5	83 3	100 0	4 18E-05	yes		9 07E+00	no	no
PBDE_cong_209	mg/kg	6	2	33 3	100 0	2 81E-04	yes		3 18E+02	no	no

Table 3-5. COI Screen for Public Beach Surface Sediment

Analyte	units	N	N Detect	Site-wide Detection Frequecy (%)	Max Reach Detection Frequency (%)	Maximum Detected Concentration	FreqDet>5 %?	Essential Nutrient?	RBSL (mg/kg)	Max>RBSL?	COPC?[a]
PBDE_cong_47	mg/kg	6	5	83 3	100 0	1 81E-04	yes		4 54E+00	no	no
PBDE_cong_99	mg/kg	6	4	66 7	100 0	3 26E-04	yes		4 54E+00	no	no
Phenanthrene	mg/kg	66	25	37 9	100 0	4 05E-02	yes		NA	noRBSL	no
Phenol	mg/kg	66	13	19 7	37 5	8 05E-03	yes		1 36E+04	no	no
Potassium	mg/kg	205	205	100 0	100 0	5 61E+03	yes	yes	NA	noRBSL	no
Pyrene	mg/kg	66	27	40 9	100 0	1 90E-02	yes		1 15E+03	no	no
Radium-226	pCi/g	8	8	100 0	100 0	2 44E+00	yes		NA	noRBSL	no
Selenium	mg/kg	177	70	39 5	100 0	4 30E+00	yes		5 84E+02	no	no
Silver	mg/kg	205	162	79 0	100 0	1 75E+01	yes		5 84E+02	no	no
Sodium	mg/kg	205	205	100 0	100 0	5 31E+02	yes	yes	NA	noRBSL	no
Sulfide	mg/kg	161	113	70 2	100 0	4 50E+02	yes		NA	noRBSL	no
TEQ-Dioxins/Furans (ND=0)	mg/kg	50	48	96 0	100 0	3 38E-06	yes		1 71E-05	no	no
TEQ-Dioxins/Furans (ND=1/2DL)	mg/kg	50	48	96 0	100 0	3 42E-06	yes		1 71E-05	no	no
TEQ-DL-PCBs (ND=0)	mg/kg	6	6	100 0	100 0	8 61E-08	yes		1 71E-05	no	no
TEQ-DL-PCBs (ND=1/2DL)	mg/kg	6	6	100 0	100 0	1 98E-07	yes		1 71E-05	no	no
Thallium	mg/kg	205	166	81 0	100 0	9 14E-01	yes		1 17E+00	no	no
Total NTV PBDEs (ND=0)	mg/kg	6	5	83 3	100 0	1 58E-04	yes		NA	noRBSL	no
Total PCBs (aroclors;ND=0)	mg/kg	60	0	0 0	50 0	0 00E+00	yes		5 10E-01	no	no
Total PCBs (non-dioxin-like congeners;ND=0)	mg/kg	6	6	100 0	51 0	3 95E-03	yes		1 51E+00	no	no
Uranium	mg/kg	195	175	89 7	100 0	2 12E+01	yes		2 34E+01	no	no
Uranium-238	pCi/g	8	8	100 0	100 0	2 06E+00	yes		NA	noRBSL	no
Vanadium	mg/kg	205	205	100 0	100 0	9 13E+01	yes		5 89E+02	no	no
Zinc	mg/kg	205	205	100 0	100 0	6 78E+03	yes		3 50E+04	no	no

RBSL = risk-based screening level; FreqDet = detection frequency; COPC = chemical of potential concern

[a]Chemicals with no toxicity values (i e , "no RBSL") were not evaluated quantitatively in this HHRA, as discussed in the uncertainty section (Section 6 0)
[b]Lead is considered a COPC in exposure media where it is found at concentrations above the detection limit

Table 3-6. COI Screen for Public Beach Surface Soil

Analyte	units	N	N Detect	Site-wide Detection Frequecy (%)	Maximum Detected Concentration	FreqDet>5 %?	Essential Nutrient?	RBSL (mg/kg)	Max>RBSL?	COPC?[a]
Aluminum	mg/kg	6	6	100	1.95E+04	yes		1.17E+05	no	no
Antimony	mg/kg	6	6	100	9.80E+00	yes		4.67E+01	no	no
Arsenic	mg/kg	6	6	100	1.23E+01	yes		2.03E+00	yes	**yes**
Barium	mg/kg	6	6	100	2.57E+02	yes		2.34E+04	no	no
Beryllium	mg/kg	6	6	100	6.55E-01	yes		2.34E+02	no	no
Cadmium	mg/kg	6	6	100	2.44E+00	yes		7.17E+01	no	no
Calcium	mg/kg	6	6	100	8.73E+04	yes	yes	NA	noRBSL	no
Chromium	mg/kg	6	6	100	2.45E+01	yes		6.54E+00	yes	**yes**
Cobalt	mg/kg	6	6	100	7.15E+00	yes		3.50E+01	no	no
Copper	mg/kg	6	6	100	4.09E+01	yes		4.67E+03	no	no
Iron	mg/kg	6	6	100	1.90E+04	yes		8.18E+04	no	no
Lead	mg/kg	6	6	100	2.57E+03	yes		NA	noRBSL	**yes**[b]
Magnesium	mg/kg	6	6	100	1.05E+04	yes	yes	NA	noRBSL	no
Manganese	mg/kg	6	6	100	5.55E+02	yes		2.80E+03	no	no
Mercury	mg/kg	6	6	100	4.50E-01	yes		3.50E+01	no	no
Nickel	mg/kg	6	6	100	2.21E+01	yes		1.28E+03	no	no
Potassium	mg/kg	6	6	100	2.59E+03	yes	yes	NA	noRBSL	no
Selenium	mg/kg	6	6	100	7.30E-01	yes		5.84E+02	no	no
Silver	mg/kg	6	6	100	1.85E+00	yes		5.84E+02	no	no
Sodium	mg/kg	6	6	100	1.82E+02	yes	yes	NA	noRBSL	no
Thallium	mg/kg	6	6	100	2.68E-01	yes		1.17E+00	no	no
Vanadium	mg/kg	6	6	100	3.66E+01	yes		5.89E+02	no	no
Zinc	mg/kg	6	6	100	2.37E+02	yes		3.50E+04	no	no

RBSL = risk-based screening level; FreqDet = detection frequency; COPC = chemical of potential concern.

[a]Chemicals with no toxicity values (i.e., "no RBSL") were not evaluated quantitatively in this HHRA, as discussed in the uncertainty section (Section 6.0).
[b]Lead is considered a COPC in exposure media where it is found at concentrations above the detection limit.

Table 3-7. COI Screen for Public Beach Subsurface Sediment

Analyte	units	N	N Detect	Site-wide Detection Frequency (%)	Maximum Reach Detection Frequency (%)	Maximum Detected Concentration	FreqDet> 5%?	Essential Nutrient?	RBSL (mg/kg)	Max> RBSL?	COPC?[a]
1,1'-Biphenyl	mg/kg	32	3	9.4	66.7	7.00E-03	yes		4.09E+02	no	no
1,2,4-Trichlorobenzene	mg/kg	32	0	0.0	0.0		no		1.13E+02	yes	no
1,2-Dichlorobenzene	mg/kg	32	0	0.0	0.0		no		1.05E+04	yes	no
1,3-Dichlorobenzene	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
1,4-Dichlorobenzene	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
2,2'-oxybis(1-Chloropropane)	mg/kg	32	0	0.0	0.0		no		4.67E+03	yes	no
2,4,5-Trichlorophenol	mg/kg	32	0	0.0	0.0		no		4.54E+03	yes	no
2,4,6-Trichlorophenol	mg/kg	32	0	0.0	0.0		no		4.54E+01	yes	no
2,4'-DDD	mg/kg	32	1	3.1	33.3	1.60E-04	yes		6.54E+00	no	no
2,4'-DDE	mg/kg	32	0	0.0	0.0		no		6.54E+00	yes	no
2,4'-DDT	mg/kg	32	4	12.5	100.0	1.60E-04	yes		6.54E+00	no	no
2,4-Dichlorophenol	mg/kg	32	0	0.0	0.0		no		1.36E+02	yes	no
2,4-Dimethylphenol	mg/kg	26	0	0.0	0.0		no		9.07E+02	yes	no
2,4-Dinitrophenol	mg/kg	32	0	0.0	0.0		no		9.07E+01	yes	no
2,4-Dinitrotoluene	mg/kg	32	0	0.0	0.0		no		4.04E+00	yes	no
2,6-Dinitrotoluene	mg/kg	32	0	0.0	0.0		no		8.53E-01	yes	no
2-Chloronaphthalene	mg/kg	32	0	0.0	0.0		no		3.06E+03	yes	no
2-Chlorophenol	mg/kg	32	0	0.0	0.0		no		5.84E+02	yes	no
2-Methylnaphthalene	mg/kg	32	12	37.5	100.0	2.00E-02	yes		1.53E+02	no	no
2-Methylphenol	mg/kg	32	0	0.0	0.0		no		2.27E+03	yes	no
2-Nitroaniline	mg/kg	32	0	0.0	0.0		no		4.54E+02	yes	no
2-Nitrophenol	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
3,3'-Dichlorobenzidine	mg/kg	32	0	0.0	0.0		no		2.82E+00	yes	no
3-Nitroaniline	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
4,4'-DDD	mg/kg	32	0	0.0	0.0		no		1.36E+00	yes	no
4,4'-DDE	mg/kg	32	6	18.8	66.7	5.10E-04	yes		9.62E+00	no	no
4,4'-DDT	mg/kg	32	4	12.5	33.3	3.60E-04	yes		6.54E+00	no	no
4,6-Dinitro-2-methylphenol	mg/kg	32	0	0.0	0.0		no		3.63E+00	yes	no
4-Bromophenyl-phenylether	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
4-Chloro-3-methylphenol	mg/kg	32	0	0.0	0.0		no		4.54E+03	yes	no
4-Chloroaniline	mg/kg	32	0	0.0	0.0		no		6.36E+00	yes	no
4-Chlorophenyl-phenyl ether	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
4-Methylphenol	mg/kg	32	5	15.6	40.0	4.65E-03	yes		4.54E+03	no	no
4-Nitroaniline	mg/kg	32	0	0.0	0.0		no		6.36E+01	yes	no
4-Nitrophenol	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
Acenaphthene	mg/kg	32	0	0.0	0.0		no		2.30E+03	yes	no
Acenaphthylene	mg/kg	32	1	3.1	33.3	6.60E-04	yes		NA	noRBSL	no
Acetophenone	mg/kg	32	4	12.5	33.3	5.90E-02	yes		1.17E+04	no	no
Aldrin	mg/kg	32	0	0.0	0.0		no		1.92E-01	yes	no
alpha-Benzenehexachloride	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
alpha-Chlordane	mg/kg	32	1	3.1	25.0	4.10E-04	yes		5.73E+00	no	no

Table 3-7. COI Screen for Public Beach Subsurface Sediment

Analyte	units	N	N Detect	Site-wide Detection Frequency (%)	Maximum Reach Detection Frequency (%)	Maximum Detected Concentration	FreqDet> 5%?	Essential Nutrient?	RBSL (mg/kg)	Max> RBSL?	COPC?[a]
Aluminum	mg/kg	187	187	100.0	100.0	2.42E+04	yes		1.17E+05	no	no
Anthracene	mg/kg	32	3	9.4	66.7	1.60E-03	yes		1.15E+04	no	no
Antimony	mg/kg	187	175	93.6	100.0	8.63E+01	yes		4.67E+01	yes	**yes**
Arsenic	mg/kg	187	187	100.0	100.0	2.76E+01	yes		2.03E+00	yes	**yes**
Barium	mg/kg	187	187	100.0	100.0	2.24E+03	yes		2.34E+04	no	no
Benzaldehyde	mg/kg	32	7	21.9	66.7	5.70E-02	yes		8.18E+02	no	no
Benzo[a]anthracene	mg/kg	32	11	34.4	100.0	8.40E-03	yes		1.07E+01	no	no
Benzo[a]pyrene	mg/kg	32	10	31.3	100.0	8.70E-03	yes		1.07E+00	no	no
Benzo[b]fluoranthene	mg/kg	32	13	40.6	100.0	1.40E-02	yes		1.07E+01	no	no
Benzo[g,h,i]perylene	mg/kg	32	11	34.4	100.0	7.60E-03	yes		NA	noRBSL	no
Benzo[k]fluoranthene	mg/kg	32	7	21.9	66.7	4.20E-03	yes		1.07E+02	no	no
Benzoic acid	mg/kg	32	2	6.3	33.3	1.50E-01	yes		1.82E+05	no	no
Benzyl alcohol	mg/kg	32	1	3.1	33.3	4.40E-03	yes		4.54E+03	no	no
Benzyl n-butyl phthalate	mg/kg	32	5	15.6	66.7	6.90E-03	yes		6.67E+02	no	no
Beryllium	mg/kg	187	187	100.0	100.0	1.16E+00	yes		2.34E+02	no	no
beta-BHC	mg/kg	32	1	3.1	33.3	2.30E-04	yes		7.05E-01	no	no
bis(2-Chloroethoxy)methane	mg/kg	32	0	0.0	0.0		no		1.36E+02	yes	no
Bis(2-chloroethyl)ether	mg/kg	32	0	0.0	0.0		no		2.97E+00	yes	no
bis(2-Ethylhexyl)phthalate	mg/kg	32	6	18.8	66.7	3.70E-01	yes		9.07E+01	no	no
Cadmium	mg/kg	187	181	96.8	100.0	1.37E+01	yes		7.17E+01	no	no
Calcium	mg/kg	187	187	100.0	100.0	7.70E+04	yes	yes	NA	noRBSL	no
Caprolactam	mg/kg	32	0	0.0	0.0		no		2.27E+04	yes	no
Carbazole	mg/kg	32	2	6.3	33.3	2.00E-03	yes		NA	noRBSL	no
Chlordane	mg/kg	32	0	0.0	66.7	5.40E-04	yes		5.73E+00	no	no
Chromium	mg/kg	187	187	100.0	100.0	1.54E+02	yes		6.54E+00	yes	**yes**
Chrysene	mg/kg	32	12	37.5	100.0	9.80E-03	yes		1.07E+03	no	no
cis-Nonachlor	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
Cobalt	mg/kg	187	187	100.0	100.0	6.74E+01	yes		3.50E+01	yes	**yes**
Copper	mg/kg	187	187	100.0	100.0	3.00E+03	yes		4.67E+03	no	no
delta-BHC	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
Dibenzo[a,h]anthracene	mg/kg	32	1	3.1	33.3	1.50E-03	yes		1.07E+00	no	no
Dibenzofuran	mg/kg	32	7	21.9	100.0	5.40E-03	yes		7.94E+01	no	no
Dieldrin	mg/kg	32	0	0.0	0.0		no		7.94E-02	yes	no
Diethyl phthalate	mg/kg	32	4	12.5	66.7	5.00E-02	yes		3.63E+04	no	no
Dimethyl phthalate	mg/kg	32	4	12.5	50.0	2.40E-03	yes		NA	noRBSL	no
Di-n-butyl phthalate	mg/kg	32	0	0.0	0.0		no		4.54E+03	yes	no
Di-n-octylphthalate	mg/kg	32	0	0.0	0.0		no		4.54E+02	yes	no
Endosulfan I	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
Endosulfan II	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
Endosulfan sulfate	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
Endrin	mg/kg	32	0	0.0	0.0		no		1.36E+01	yes	no

Table 3-7. COI Screen for Public Beach Subsurface Sediment

Analyte	units	N	N Detect	Site-wide Detection Frequency (%)	Maximum Reach Detection Frequency (%)	Maximum Detected Concentration	FreqDet> 5%?	Essential Nutrient?	RBSL (mg/kg)	Max> RBSL?	COPC?[a]
Endrin aldehyde	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
Endrin ketone	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
Fluoranthene	mg/kg	32	13	40.6	100.0	1.90E-02	yes		1.53E+03	no	no
Fluorene	mg/kg	32	4	12.5	66.7	1.50E-03	yes		1.53E+03	no	no
gamma-BHC	mg/kg	32	0	0.0	0.0		no		1.82E+00	yes	no
gamma-Chlordane	mg/kg	32	2	6.3	66.7	1.30E-04	yes		NA	noRBSL	no
Heptachlor	mg/kg	32	0	0.0	0.0		no		7.27E-01	yes	no
Heptachlor epoxide	mg/kg	32	0	0.0	0.0		no		3.59E-01	yes	no
Hexachlorobenzene	mg/kg	32	3	9.4	50.0	9.70E-04	yes		2.04E+00	no	no
Hexachlorobutadiene	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
Hexachlorocyclopentadiene	mg/kg	32	0	0.0	0.0		no		7.01E+02	yes	no
Hexachloroethane	mg/kg	32	0	0.0	0.0		no		8.18E+01	yes	no
Indeno[1,2,3-cd]pyrene	mg/kg	32	7	21.9	66.7	6.30E-03	yes		1.07E+01	no	no
Iron	mg/kg	187	187	100.0	100.0	2.39E+05	yes		8.18E+04	yes	**yes**
Isophorone	mg/kg	32	0	0.0	0.0		no		1.34E+03	yes	no
Lead	mg/kg	187	187	100.0	100.0	4.87E+03	yes		NA	noRBSL	yes[b]
Magnesium	mg/kg	187	187	100.0	100.0	3.56E+04	yes	yes	NA	noRBSL	no
Manganese	mg/kg	187	187	100.0	100.0	4.57E+03	yes		2.80E+03	yes	**yes**
Mercury	mg/kg	187	184	98.4	100.0	2.52	yes		3.50E+01	no	no
Methoxychlor	mg/kg	32	0	0.0	0.0		no		2.27E+02	yes	no
Mirex	mg/kg	6	0	0.0	0.0		no		1.82E-01	yes	no
Naphthalene	mg/kg	32	15	46.9	100.0	9.70E-03	yes		7.67E+02	no	no
Nickel	mg/kg	187	187	100.0	100.0	4.69E+01	yes		1.28E+03	no	no
Nitrobenzene	mg/kg	32	0	0.0	0.0		no		2.34E+02	yes	no
N-Nitrosodi-n-propylamine	mg/kg	32	0	0.0	0.0		no		1.82E-01	yes	no
N-Nitrosodiphenylamine	mg/kg	32	0	0.0	0.0		no		2.59E+02	yes	no
Oxychlordane	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
PBDE_cong_153	mg/kg	1	1	100.0	100.0	2.25E-05	yes		9.07E+00	no	no
PBDE_cong_209	mg/kg	1	1	100.0	100.0	1.81E-04	yes		3.18E+02	no	no
PBDE_cong_47	mg/kg	1	1	100.0	100.0	9.41E-05	yes		4.54E+00	no	no
PBDE_cong_99	mg/kg	1	1	100.0	100.0	1.75E-04	yes		4.54E+00	no	no
Pentachlorophenol	mg/kg	32	0	0.0	0.0		no		1.66E+00	yes	no
Phenanthrene	mg/kg	32	12	37.5	100.0	1.30E-02	yes		NA	noRBSL	no
Phenol	mg/kg	32	18	56.3	80.0	3.90E-02	yes		1.36E+04	no	no
Potassium	mg/kg	187	187	100.0	100.0	4.19E+03	yes	yes	NA	noRBSL	no
Pyrene	mg/kg	32	14	43.8	100.0	1.90E-02	yes		1.15E+03	no	no
Selenium	mg/kg	187	85	45.5	100.0	3.19E+00	yes		5.84E+02	no	no
Silver	mg/kg	187	176	94.1	100.0	1.13E+01	yes		5.84E+02	no	no
Sodium	mg/kg	187	187	100.0	100.0	2.49E+03	yes	yes	NA	noRBSL	no
Sulfide	mg/kg	32	24	75.0	100.0	2.91E+02	yes		NA	noRBSL	no
TEQ-Dioxins/Furans (ND=0)	mg/kg	1	1	100.0	100.0	2.64E-06	yes		1.71E-05	no	no

Table 3-7. COI Screen for Public Beach Subsurface Sediment

Analyte	units	N	N Detect	Site-wide Detection Frequency (%)	Maximum Reach Detection Frequency (%)	Maximum Detected Concentration	FreqDet> 5%?	Essential Nutrient?	RBSL (mg/kg)	Max> RBSL?	COPC?[a]
TEQ-Dioxins/Furans (ND=1/2DL)	mg/kg	1	1	100.0	100.0	2.84E-06	yes		1.71E-05	no	no
TEQ-DL PCBs (ND=0)	mg/kg	1	1	100.0	100.0	1.99E-07	yes		1.71E-05	no	no
TEQ-DL PCBs (ND=1/2DL)	mg/kg	1	1	100.0	100.0	2.24E-07	yes		1.71E-05	no	no
Thallium	mg/kg	187	174	93.0	100.0	9.58E-01	yes		1.17E+00	no	no
Total NTV PBDEs (ND=0)	mg/kg	1	1	100.0	100.0	8.29E-05	yes		NA	noRBSL	no
Total PCBs (aroclors;ND=0)	mg/kg	32	3	9.4	66.7	5.30E-03	yes		5.10E-01	no	no
Total PCBs (non-dioxin-like congeners;ND=0)	mg/kg	1	1	100.0	100.0	1.58E-02	yes		5.10E-01	no	no
Toxaphene	mg/kg	32	0	0.0	0.0		no		1.16E+00	yes	no
trans-Nonachlor	mg/kg	32	0	0.0	0.0		no		NA	noRBSL	no
Uranium	mg/kg	32	32	100.0	100.0	4.87E+00	yes		2.34E+01	no	no
Vanadium	mg/kg	187	187	100.0	100.0	4.88E+01	yes		5.89E+02	no	no
Zinc	mg/kg	187	187	100.0	100.0	1.88E+04	yes		3.50E+04	no	no

RBSL = risk-based screening level; FreqDet = detection frequency; COPC = chemical of potential concern.

[a]Chemicals with no toxicity values (i.e., "no RBSL") were not evaluated quantitatively in this HHRA, as discussed in the uncertainty section (Section 6.0).
[b]Lead is considered a COPC in exposure media where it is found at concentrations above the detection limit.

Table 3-8. COI Screen for Public Beach Subsurface Soil

Analyte	units	N	N Detect	Site-wide Detection Frequency (%)	Maximum Detected Concentration	FreqDet> 5%?	Essential Nutrient?	RBSL (mg/kg)	Max> RBSL?	COPC?[a]
Aluminum	mg/kg	18	18	100	2.41E+04	yes		1.17E+05	no	no
Antimony	mg/kg	18	18	100	1.74E+01	yes		4.67E+01	no	no
Arsenic	mg/kg	18	18	100	4.45E+01	yes		2.03E+00	yes	**yes**
Barium	mg/kg	18	18	100	3.65E+02	yes		2.34E+04	no	no
Beryllium	mg/kg	18	18	100	1.15E+00	yes		2.34E+02	no	no
Cadmium	mg/kg	18	18	100	2.18E+01	yes		7.17E+01	no	no
Calcium	mg/kg	18	18	100	2.02E+05	yes	yes	NA	noRBSL	no
Chromium	mg/kg	18	18	100	5.27E+01	yes		6.54E+00	yes	**yes**
Cobalt	mg/kg	18	18	100	1.57E+01	yes		3.50E+01	no	no
Copper	mg/kg	18	18	100	8.72E+01	yes		4.67E+03	no	no
Iron	mg/kg	18	18	100	3.52E+04	yes		8.18E+04	no	no
Lead	mg/kg	18	18	100	1.77E+03	yes		NA	noRBSL	**yes**[b]
Magnesium	mg/kg	18	18	100	1.35E+04	yes	yes	NA	noRBSL	no
Manganese	mg/kg	18	18	100	9.31E+02	yes		2.80E+03	no	no
Mercury	mg/kg	18	18	100	1.59	yes		3.50E+01	no	no
Nickel	mg/kg	18	18	100	4.63E+01	yes		1.28E+03	no	no
Potassium	mg/kg	18	18	100	8.68E+03	yes	yes	NA	noRBSL	no
Selenium	mg/kg	18	18	100	7.90E-01	yes		5.84E+02	no	no
Silver	mg/kg	18	18	100	1.96E+00	yes		5.84E+02	no	no
Sodium	mg/kg	18	18	100	3.83E+02	yes	yes	NA	noRBSL	no
Thallium	mg/kg	18	18	100	9.83E-01	yes		1.17E+00	no	no
Vanadium	mg/kg	18	18	100	7.75E+01	yes		5.89E+02	no	no
Zinc	mg/kg	18	18	100	7.76E+02	yes		3.50E+04	no	no

RBSL = risk-based screening level; FreqDet = detection frequency; COPC = chemical of potential concern.

[a]Chemicals with no toxicity values (i.e., "no RBSL") were not evaluated quantitatively in this HHRA, as discussed in the uncertainty section (Section 6.0).
[b]Lead is considered a COPC in exposure media where it is found at concentrations above the detection limit.

Table 3-9. COI Screen for Residential Beach Sediment

Analyte	Units	N	N Detect	Detection Frequency (%)	Maximum Detected Concentration (mg/kg)	RBSL (mg/kg)	FreqDet> 5%?	Essential Nutrient?	Max> RBSL?	COPC?[a]
Aluminum	mg/kg	22	22	100	8.78E+03	1.78E+04	yes		no	no
Antimony	mg/kg	22	22	100	4.86E+01	7.11E+00	yes		yes	**yes**
Arsenic	mg/kg	22	22	100	2.05E+01	1.40E+00	yes		yes	**yes**
Barium	mg/kg	22	22	100	7.67E+02	3.56E+03	yes		no	no
Beryllium	mg/kg	22	22	100	3.49E-01	3.56E+01	yes		no	no
Cadmium	mg/kg	22	22	100	6.66E+00	1.62E+01	yes		no	no
Calcium	mg/kg	22	22	100	1.06E+05	-	yes	yes	noRBSL	no
Chromium	mg/kg	22	22	100	2.78E+01	6.84E-01	yes		yes	**yes**
Cobalt	mg/kg	22	22	100	1.11E+01	5.33E+00	yes		yes	**yes**
Copper	mg/kg	22	22	100	4.63E+02	7.11E+02	yes		no	no
Iron	mg/kg	22	22	100	3.93E+04	1.24E+04	yes		yes	**yes**
Lead	mg/kg	22	22	100	3.38E+02	-	yes		noRBSL	**yes**[b]
Magnesium	mg/kg	22	22	100	3.15E+04	-	yes	yes	noRBSL	no
Manganese	mg/kg	22	22	100	8.59E+02	4.27E+02	yes		yes	**yes**
Nickel	mg/kg	22	22	100	1.73E+01	1.96E+02	yes		no	no
Potassium	mg/kg	22	22	100	2.74E+03	-	yes	yes	noRBSL	no
Selenium	mg/kg	22	22	100	6.33E-01	8.89E+01	yes		no	no
Silver	mg/kg	22	22	100	3.93E+00	8.89E+01	yes		no	no
Sodium	mg/kg	22	22	100	3.28E+02	-	yes	yes	noRBSL	no
Thallium	mg/kg	22	22	100	3.86E-01	1.78E-01	yes		yes	**yes**
Vanadium	mg/kg	22	22	100	3.90E+01	8.96E+01	yes		no	no
Zinc	mg/kg	22	22	100	3.40E+03	5.33E+03	yes		no	no

RBSL = risk-based screening level; FreqDet = detection frequency; COPC = chemical of potential concern.

[a]Chemicals with no toxicity values (i.e., "no RBSL") were not evaluated quantitatively in this HHRA, as discussed in the uncertainty section (Section 6.0).

[b]Lead is considered a COPC in exposure media where it is found at concentrations above the detection limit.

Table 3-10. COI Screen for Relict Floodplain Surface Soil

Analyte	units	N	N Detect	Detection Frequency (%)	Maximum Detected Concentration (mg/kg)	FreqDet>5 %?	Essential Nutrient?	RBSL (mg/kg)	Max> RBSL?	COPC?[a]
Aluminum	mg/kg	16	16	100	1.24E+04	yes		1.71E+05	no	no
Antimony	mg/kg	16	16	100	9.97E+00	yes		6.84E+01	no	no
Arsenic	mg/kg	16	16	100	2.72E+01	yes		1.38E+01	yes	**yes**
Barium	mg/kg	16	16	100	5.60E+02	yes		3.42E+04	no	no
Beryllium	mg/kg	16	16	100	5.40E-01	yes		3.42E+02	no	no
Cadmium	mg/kg	16	16	100	9.83E+00	yes		1.56E+02	no	no
Calcium	mg/kg	16	16	100	5.67E+04	yes	yes		noRBSL	no
Chromium	mg/kg	16	16	100	3.24E+01	yes		6.53E+00	yes	**yes**
Cobalt	mg/kg	16	16	100	8.45E+00	yes		5.13E+01	no	no
Copper	mg/kg	16	16	100	1.38E+02	yes		6.84E+03	no	no
Iron	mg/kg	16	16	100	3.90E+04	yes		1.20E+05	no	no
Lead	mg/kg	16	16	100	5.65E+02	yes			noRBSL	yes[b]
Magnesium	mg/kg	16	16	100	3.04E+04	yes	yes		noRBSL	no
Manganese	mg/kg	16	16	100	4.17E+02	yes		4.11E+03	no	no
Mercury	mg/kg	16	16	100	2.74E+00	yes			noRBSL	no
Molybdenum	mg/kg	16	16	100	6.86E+00	yes		8.55E+02	no	no
Nickel	mg/kg	16	16	100	2.34E+01	yes		1.88E+03	no	no
Potassium	mg/kg	16	16	100	1.99E+03	yes	yes		noRBSL	no
Selenium	mg/kg	16	16	100	8.47E-01	yes		8.55E+02	no	no
Silver	mg/kg	16	16	100	1.80E+00	yes		8.55E+02	no	no
Sodium	mg/kg	16	16	100	2.19E+02	yes	yes		noRBSL	no
Thallium	mg/kg	16	16	100	3.77E-01	yes		1.71E+00	no	no
Vanadium	mg/kg	16	16	100	3.85E+01	yes		8.62E+02	no	no
Zinc	mg/kg	16	16	100	2.14E+03	yes		5.13E+04	no	no

RBSL = risk-based screening level; FreqDet = detection frequency; COPC = chemical of potential concern

[a]Chemicals with no toxicity values (i.e., "no RBSL") were not evaluated quantitatively in this HHRA, as discussed in the uncertainty section (Section 6.0).

[b]Lead is considered a COPC in exposure media where it is found at concentrations above the detection limit.

Table 3-11. COI Screen for Outdoor Air

Analyte	N	N Detect	Detection Frequency (%)	Max Detected Concentration (ug/m3)	FreqDet>5 %?	RBSL (µg/m^3)	Max> RBSL?	COPC?[a]
Arsenic	390	295	76	1.03E-01	yes	5.14E-04	yes	yes
Cadmium	390	170	44	3.35E-02	yes	1.04E-03	yes	yes
Lead	390	314	81	4.50E-01	yes	NA	noRBSL	yes[b]
Zinc	390	363	93	2.37E+00	yes	NA	noRBSL	no

RBSL = risk-based screening level; FreqDet = detection frequency; COPC = chemical of potential concern

[a]Chemicals with no toxicity values (i.e., "no RBSL") were not evaluated quantitatively as COPCs in this HHRA, as discussed in the uncertainty section (Section 6.0).

[b]Lead is considered a COPC in exposure media where it is found at concentrations above the detection limit.

Table 3-12. Maximum Backfill Concentrations of COPCs in Residential Soil DUs Subject to TCRAs or VRAs as of June 20, 2019

COPC	Maximum Backfill Concentration from 2015 TCRA Final Completion Report (mg/kg)[a]	Maximum Backfill Concentration in Topsoil from 2017-2018 VRA Draft Completion Report (mg/kg)
Aluminum	14000	9700
Antimony	0.75	0.34
Arsenic[b]	6.6	3.3
Cadmium	0.71	0.28 J[c]
Chromium	12	31
Cobalt	11	5.8
Iron	17000	17000
Lead[a]	12	19
Manganese	770	310
Nickel	25	21
Thallium	0.21 U[d]	0.11 J
Vanadium	19	27

[a]Value reported is the maximum concentration across backfill materials analyzed in 2015.

[b]Arsenic and lead concentrations were adjusted for RBA based on whether the TCRA/VRA DU is inside the 2014 residential soil study boundary or outside the 2014 residential soil study boundary (see Appendix 11).

[c]J = estimated concentration. This is the concentration used in the HHRA calculations.

[d]For any COPC that was not detected in backfill ("U"), ½ the detection limit was used as the concentration. For thallium, the concentration used in the HHRA for DUs subject to a TCRA in 2015 was 0.105 mg/kg.

Table 3-13: COI Screen for Residential Soil

Analyte	N	N Detect	Detection Frequency (%)	Maximum Detected Concentration (mg/kg)	RBSL (mg/kg)	FreqDet> 5%?	Essential Nutrient?	Max> RBSL?	COPC?[a]
Aluminum	623	623	100	3.18E+04	7.82E+03	yes		yes	**yes**
Antimony	623	623	100	1.57E+01	3.13E+00	yes		yes	**yes**
Arsenic	623	623	100	8.08E+01	5.80E-01	yes		yes	**yes**
Barium	623	623	100	9.85E+02	1.56E+03	yes		no	no
Beryllium	623	623	100	9.92E-01	1.56E+01	yes		no	no
Cadmium	623	613	98.4	3.93E+01	7.46E+00	yes		yes	**yes**
Calcium	623	623	100	3.80E+05	NA	yes	yes	noRBSL	no
Chromium	623	623	100	7.23E+01	3.01E-01	yes		yes	**yes**
Cobalt	623	623	100	2.60E+01	2.35E+00	yes		yes	**yes**
Copper	623	623	100	1.18E+02	3.13E+02	yes		no	no
Iron	623	623	100	4.29E+04	5.48E+03	yes		yes	**yes**
Lead	623	623	100	1.72E+03	NA	yes		noRBSL	**yes**[b]
Magnesium	623	623	100	3.75E+04	NA	yes	yes	noRBSL	no
Manganese	623	623	100	1.54E+03	1.88E+02	yes		yes	**yes**
Nickel	623	623	100	1.73E+02	8.60E+01	yes		yes	**yes**
Potassium	623	623	100	6.90E+03	NA	yes	yes	noRBSL	no
Selenium	623	623	100	9.04E+00	3.91E+01	yes		no	no
Silver	623	613	98.4	1.79E+00	3.91E+01	yes		no	no
Sodium	623	622	99.8	8.53E+02	NA	yes	yes	noRBSL	no
Thallium	623	595	95.5	1.39E+00	7.82E-02	yes		yes	**yes**
Vanadium	623	623	100	9.62E+01	3.94E+01	yes		yes	**yes**
Zinc	623	623	100	1.78E+03	2.35E+03	yes		no	no

RBSL = risk-based screening level; FreqDet = detection frequency; COPC = chemical of potential concern

[a]Chemicals with no toxicity values (i.e., "no RBSL") were not evaluated quantitatively as COPCs in this HHRA, as discussed in the uncertainty section (Section 6.0).

[b]Lead is considered a COPC in exposure media where it is found at concentrations above the detection limit

Table 3-14: COI Screen for Upland Soil

Analyte	N	N Detect	Detection Frequency (%)	Maximum Detected Concentration (mg/kg)	RBSL (mg/kg)	FreqDet> 5%?	Essential Nutrient?	Max> RBSL?	COPC?[a]
Aluminum	142	142	100	2.59E+04	7.82E+03	yes		yes	**yes**
Antimony	142	142	100	1.22E+01	3.13E+00	yes		yes	**yes**
Arsenic	142	142	100	5.59E+01	5.80E-01	yes		yes	**yes**
Barium	142	142	100	1.27E+03	1.56E+03	yes		no	no
Beryllium	142	142	100	1.08E+00	1.56E+01	yes		no	no
Cadmium	142	142	100	1.63E+01	7.46E+00	yes		yes	**yes**
Calcium	142	142	100	1.42E+04	NA	yes	yes	noRBSL	no
Chromium	142	142	100	6.55E+01	3.01E-01	yes		yes	**yes**
Cobalt	142	142	100	1.80E+01	2.35E+00	yes		yes	**yes**
Copper	142	142	100	6.53E+01	3.13E+02	yes		no	no
Iron	142	142	100	2.72E+04	5.48E+03	yes		yes	**yes**
Lead	142	142	100	9.56E+02	NA	yes		noRBSL	**yes**[b]
Magnesium	142	142	100	9.88E+03	NA	yes	yes	noRBSL	no
Manganese	142	142	100	1.65E+03	1.88E+02	yes		yes	**yes**
Mercury	142	142	100	5.00E-01	2.35E+00	yes		no	no
Molybdenum	142	142	100	5.72E+00	3.91E+01	yes		no	no
Nickel	142	142	100	6.70E+01	8.60E+01	yes		no	no
Potassium	142	142	100	3.86E+03	NA	yes	yes	noRBSL	no
Selenium	142	142	100	2.17E+00	3.91E+01	yes		no	no
Silver	142	142	100	9.60E-01	3.91E+01	yes		no	no
Sodium	142	134	94	2.67E+02	NA	yes	yes	noRBSL	no
Thallium	142	142	100	7.40E-01	7.82E-02	yes		yes	**yes**
Vanadium	142	142	100	5.66E+01	3.94E+01	yes		yes	**yes**
Zinc	142	142	100	1.12E+03	2.35E+03	yes		no	no

RBSL = risk-based screening level; FreqDet = detection frequency; COPC = chemical of potential concern

[a]Chemicals with no toxicity values (i.e., "no RBSL") were not evaluated quantitatively as COPCs in this HHRA, as discussed in the uncertainty section (Section 6.0).

[b]Lead is considered a COPC in exposure media where it is found at concentrations above the detection limit

Table 3-15. COI Screen for Fish Fillet Tissue

Analyte	Unit	N	N Detect	Site-wide Detection Frequency (%)	Max Reach Detection Freq (%)	Maximum Detected Concentration	FreqDet> 5%?	Essential Nutrient?	RBSL	Max>New RBSL?	COPC?[a]
1,1'-Biphenyl	mg/kg ww	81	2	2.5	11 1	8.50E-04	yes		6.33E-01	no	no
2,4'-DDD	mg/kg ww	81	1	1.2	7.1	4.40E-03	yes		1.49E-02	no	no
2,4'-DDT	mg/kg ww	81	63	77.8	100.0	8.10E-03	yes		1.49E-02	no	no
2-Methylnaphthalene	mg/kg ww	81	48	59.3	88 9	1.40E-02	yes		9.55E-01	no	no
4,4'-DDD	mg/kg ww	81	14	17.3	30.8	1.60E-03	yes		7.16E-03	no	no
4,4'-DDE	mg/kg ww	81	73	90.1	100.0	5.20E-02	yes		1.49E-02	yes	**yes**
4,4'-DDT	mg/kg ww	81	28	34.6	46 2	5.60E-03	yes		1.49E-02	no	no
4-Bromophenyl-phenylether	mg/kg ww	81	2	2.5	7.7	5.60E-03	yes		NA	noRBSL	no
4-Chlorophenyl-phenyl ether	mg/kg ww	81	13	16.0	22 2	1.20E-02	yes		NA	noRBSL	no
Acenaphthene	mg/kg ww	81	67	82.7	100.0	9.80E-04	yes		1.43E+01	no	no
Acenaphthylene	mg/kg ww	81	61	75.3	100.0	1.50E-02	yes		NA	noRBSL	no
alpha-Chlordane	mg/kg ww	81	6	7.4	15.4	1.60E-03	yes		1.45E-02	no	no
Aluminum	mg/kg ww	273	178	65.2	74.3	2.80E+02	yes		2.39E+02	yes	**yes**
Anthracene	mg/kg ww	81	13	16.0	66.7	1.50E-03	yes		7.16E+01	no	no
Antimony	mg/kg ww	273	134	49.1	55 9	1.09E-01	yes		9.55E-02	yes	**yes**
Arsenic	mg/kg ww	273	245	89.7	95.8	3.98E-01	yes		3.38E-03	yes	**yes**
Barium	mg/kg ww	273	242	88.6	100.0	1.29E+00	yes		4.78E+01	no	no
Benzo[a]anthracene	mg/kg ww	81	1	1.2	7.7	2.40E-04	yes		5.07E-02	no	no
Benzo[b]fluoranthene	mg/kg ww	81	1	1.2	5.9	1.10E-03	yes		5.07E-02	no	no
Benzo[g,h,i]perylene	mg/kg ww	81	1	1.2	5.9	9.60E-04	yes		NA	noRBSL	no
Benzo[k]fluoranthene	mg/kg ww	81	1	1.2	5.9	9.10E-04	yes		5.07E-01	no	no
Beryllium	mg/kg ww	273	4	1.5	4.2	5.12E-03	no		4.78E-01	no	no
bis(2-Ethylhexyl)phthalate	mg/kg ww	81	3	3.7	11 1	4.90E-01	yes		3.62E-01	yes	**yes**
Bismuth	mg/kg ww	81	29	35.8	53.8	1.99E-03	yes		NA	noRBSL	no
Cadmium	mg/kg ww	273	197	72.2	87.5	5.16E-02	yes		2.39E-01	no	no
Calcium	mg/kg ww	273	273	100.0	100.0	3.66E+03	yes	yes	NA	noRBSL	no
Cerium	mg/kg ww	81	8	9.9	15.4	8.71E-03	yes		NA	noRBSL	no
Cesium	mg/kg ww	81	81	100.0	100.0	7.79E-02	yes		NA	noRBSL	no
Chlordane	mg/kg ww	81	0	0.0	0.0	0.00E+00	yes		1.45E-02	no	no
Chromium	mg/kg ww	273	218	79.9	86.8	9.00E-01	yes		1.01E-02	yes	**yes**
cis-Nonachlor	mg/kg ww	81	2	2.5	6.7	4.00E-04	yes		NA	noRBSL	no
Cobalt	mg/kg ww	273	246	90.1	100.0	5.42E-02	yes		7.16E-02	no	no
Copper	mg/kg ww	273	254	93.0	100.0	7.73E-01	yes		9.55E+00	no	no
delta-BHC	mg/kg ww	81	1	1.2	7.7	5.50E-04	yes		NA	noRBSL	no
Dibenzo[a,h]anthracene	mg/kg ww	81	1	1.2	5.9	1.00E-03	yes		5.07E-03	no	no
Dibenzofuran	mg/kg ww	81	1	1.2	5.9	4.70E-03	yes		2.39E-01	no	no
Dieldrin	mg/kg ww	81	11	13.6	30.8	4.40E-04	yes		3.17E-04	yes	**yes**
Di-n-butyl phthalate	mg/kg ww	81	22	27.2	35.7	1.20E-01	yes		2.39E+01	no	no
Di-n-octylphthalate	mg/kg ww	81	2	2.5	15.4	1.70E-01	yes		2.39E+00	no	no
Fluoranthene	mg/kg ww	81	11	13.6	33 3	1.10E-03	yes		9.55E+00	no	no
Fluorene	mg/kg ww	81	69	85.2	100.0	2.10E-03	yes		9.55E+00	no	no
Fluoride	mg/kg ww	231	9	3.9	12.2	1.80E+00	yes		NA	noRBSL	no
Gallium	mg/kg ww	81	12	14.8	22.2	5.27E-03	yes		NA	noRBSL	no
gamma-Chlordane	mg/kg ww	81	20	24.7	35.7	2.70E-03	yes		1.45E-02	no	no
Germanium	mg/kg ww	81	81	100.0	100.0	7.57E-01	yes		NA	noRBSL	no
Gold	mg/kg ww	81	1	1.2	7.7	3.77E-02	yes		NA	noRBSL	no
Heptachlor epoxide	mg/kg ww	81	6	7.4	14.3	7.70E-04	yes		5.57E-04	yes	**yes**
Hexachlorobenzene	mg/kg ww	81	48	59.3	71.4	3.63E-03	yes		3.17E-03	yes	**yes**

Table 3-15. COI Screen for Fish Fillet Tissue

Analyte	Unit	N	N Detect	Site-wide Detection Frequency (%)	Max Reach Detection Freq (%)	Maximum Detected Concentration	FreqDet> 5%?	Essential Nutrient?	RBSL	Max>New RBSL?	COPC?[a]
Hexachlorobutadiene	mg/kg ww	81	1	1.2	7.7	1.10E-03	yes		6.49E-02	no	no
Indeno[1,2,3-cd]pyrene	mg/kg ww	81	1	1.2	5.9	1.20E-03	yes		5.07E-02	no	no
Iron	mg/kg ww	273	270	98.9	100.0	1.97E+01	yes		1.67E+02	no	no
Lanthanum	mg/kg ww	81	19	23.5	33.3	4.75E-03	yes		NA	noRBSL	no
Lead	mg/kg ww	273	191	70.0	82 9	7.75E-01	yes		NA	noRBSL	yes[b]
Lithium	mg/kg ww	81	4	4.9	14.3	1.02E-01	yes		4.78E-01	no	no
Lutetium	mg/kg ww	81	1	1.2	7.7	7.77E-04	yes		NA	noRBSL	no
Magnesium	mg/kg ww	273	273	100.0	100.0	3.28E+02	yes	yes	NA	noRBSL	no
Manganese	mg/kg ww	272	266	97.8	100.0	1.13E+00	yes		3.34E+01	no	no
Mercury	mg/kg ww	551	551	100.0	100.0	5.84E-01	yes		2.39E-02	yes	**yes**
Molybdenum	mg/kg ww	231	43	18.6	45.8	4.04E-02	yes		1.19E+00	no	no
Naphthalene	mg/kg ww	81	22	27.2	69 2	3.20E-02	yes		4.78E+00	no	no
Neodymium	mg/kg ww	81	7	8.6	15.4	3.76E-03	yes		NA	noRBSL	no
Nickel	mg/kg ww	273	186	68.1	77 1	5.27E-01	yes		2.63E+00	no	no
Oxychlordane	mg/kg ww	81	1	1.2	7.7	2.60E-03	yes		NA	noRBSL	no
PBDE_cong_153	mg/kg ww	89	89	100.0	100.0	1.69E-03	yes		4.78E-02	no	no
PBDE_cong_209	mg/kg ww	89	66	74.2	88 9	2.09E-03	yes		1.67E+00	no	no
PBDE_cong_47	mg/kg ww	89	89	100.0	100.0	5.01E-02	yes		2.39E-02	yes	**yes**
PBDE_cong_99	mg/kg ww	89	78	87.6	100.0	1.91E-02	yes		2.39E-02	no	no
Phenanthrene	mg/kg ww	81	54	66.7	100.0	2.80E-03	yes		NA	noRBSL	no
Potassium	mg/kg ww	273	273	100.0	100.0	4.87E+03	yes	yes	NA	noRBSL	no
Praseodymium	mg/kg ww	81	3	3.7	14.3	9.90E-04	yes		NA	noRBSL	no
Pyrene	mg/kg ww	81	4	4.9	22 2	1.60E-03	yes		7.16E+00	no	no
Rubidium	mg/kg ww	81	81	100.0	100.0	9.79E+00	yes		NA	noRBSL	no
Scandium	mg/kg ww	81	49	60.5	92.3	2.86E-02	yes		NA	noRBSL	no
Selenium	mg/kg ww	273	267	97.8	100.0	1.23E+00	yes		1.19E+00	yes	**yes**
Silicon	mg/kg ww	9	9	100.0	100.0	2.35E+00	yes		NA	noRBSL	no
Silver	mg/kg ww	273	14	5.1	7.0	4.52E-03	yes		1.19E+00	no	no
Sodium	mg/kg ww	273	273	100.0	100.0	6.74E+02	yes	yes	NA	noRBSL	no
Strontium	mg/kg ww	81	81	100.0	100.0	1.74E+00	yes		1.43E+02	no	no
Sulfur	mg/kg ww	21	21	100.0	100.0	2.07E+03	yes		NA	noRBSL	no
TEQ - Aroclors (ND=0)	mg/kg ww	30	30	100.0	100.0	1.75E-06	yes		2.53E-03	no	no
TEQ - Aroclors (ND=1/2DL)	mg/kg ww	30	30	100.0	100.0	4.23E-06	yes		2.53E-03	no	no
TEQ - dioxin-like PCBs (ND=0)	mg/kg ww	239	239	100.0	100.0	2.38E-06	yes		3.90E-08	yes	**yes**
TEQ - dioxin-like PCBs (ND=1/2DL)	mg/kg ww	239	239	100.0	100.0	2.38E-06	yes		3.90E-08	yes	**yes**
TEQ - Dioxins/Furans (ND=0)	mg/kg ww	261	245	93.9	97 1	9.86E-07	yes		3.90E-08	yes	**yes**
TEQ - Dioxins/Furans (ND=1/2DL)	mg/kg ww	261	245	93.9	97 1	1.06E-06	yes		3.90E-08	yes	**yes**
Thallium	mg/kg ww	273	220	80.6	95.8	7.39E-02	yes		2.39E-03	yes	**yes**
Thorium	mg/kg ww	81	2	2.5	11.1	2.59E-03	yes		NA	noRBSL	no
Tin	mg/kg ww	90	20	22.2	33.3	1.08E-01	yes		1.43E+02	no	no
Titanium	mg/kg ww	66	27	40.9	77.8	2.00E-01	yes		NA	noRBSL	no
Total NTV PBDEs (ND=0)	mg/kg ww	80	80	100.0	100.0	1.05E-02	yes		NA	noRBSL	no
Total PCBs (aroclors;ND=0)	mg/kg ww	30	30	100.0	100.0	3.66E-02	yes		2.53E-03	yes	**yes**
Total PCBs (non-dioxin-like congeners;ND=0)	mg/kg ww	239	239	100.0	100.0	2.17E-01	yes		2.53E-03	yes	**yes**
trans-Nonachlor	mg/kg ww	81	18	22.2	35.7	1.20E-03	yes		NA	noRBSL	no
Tungsten	mg/kg ww	81	3	3.7	11.1	1.72E-02	yes		1.91E-01	no	no
Unknown (As-Species)	mg/kg ww	5	3	60.0	100.0	2.55E-02	yes		3.38E-03	yes	**yes**
Uranium	mg/kg ww	273	53	19.4	29.2	9.33E-03	yes		4.78E-02	no	no

Table 3-15. COI Screen for Fish Fillet Tissue

Analyte	Unit	N	N Detect	Site-wide Detection Frequency (%)	Max Reach Detection Freq (%)	Maximum Detected Concentration	FreqDet> 5%?	Essential Nutrient?	RBSL	Max>New RBSL?	COPC?[a]
Vanadium	mg/kg ww	273	17	6.2	10 5	2.68E-02	yes		1.20E+00	no	no
Yttrium	mg/kg ww	81	7	8.6	15.4	2.18E-03	yes		NA	noRBSL	no
Zinc	mg/kg ww	273	273	100.0	100.0	2.98E+01	yes		7.16E+01	no	no
Zirconium	mg/kg ww	79	28	35.4	77.8	1.91E-01	yes		1.91E-02	yes	**yes**

RBSL = risk-based screening level; FreqDet = detection frequency; COPC = chemical of potential concern.

[a]Chemicals with no toxicity values (i.e., "no RBSL") were not evaluated quantitatively in this HHRA, as discussed in the uncertainty section (Section 6.0).
[b]Lead is considered a COPC in exposure media where it is found at concentrations above the detection limit.

Table 3-16. Mean RBA-Adjusted Soil Lead Concentrations from 2014 and 2016 Residential Soil Study Areas[1]

Dataset	Mean RBA-Adjusted Soil Lead (ppm)	Number of DUs
2014 residential soil study area – House DUs only	150	87
2016 residential soil study area – House DUs only	101	115
2014/2016 residential soil study area – House DUs only	122	202
2014 residential soil study area – All DUs	176	275
2016 residential soil study area – All DUs	94	370
2014/2016 residential soil study area – All DUs	129	645
2014 residential soil study area – All DUs except beaches	174	260
2016 residential soil study area – All DUs except beaches	93	363
2014/2016 residential soil study area – All DUs except beaches	126	623

[1] Including tribal allotments.

Table 3-17. Disturbed, Unfiltered Surface Water EPCs

Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (µg/L)	Arithmetic Mean Detected Concentration (µg/L)	Standard Deviation (µg/L)	95% UCL[a] (µg/L)	UCL Statistic[a]	Selected Exposure Point Concentration for both RME and CTE risks		
							Value	Units	Rationale[a]
Aluminum	41 / 42	25400	920	3940	722	KM H-UCL	722	µg/L	UCL-NP
Antimony	42 / 42	2.87	0.322	0.477	0.643	95% Chebyshev (Mean, Sd) UCL	0.643	µg/L	UCL-NP
Arsenic	24 / 42	3.93	0.975	0.813	0.841	KM H-UCL	0.841	µg/L	UCL-NP
RBA Adjusted Arsenic	24 / 42	0.812	0.201	0.168	0.174	KM H-UCL	0.174	µg/L	UCL-NP
Barium	42 / 42	932	60.7	138	154	95% Chebyshev (Mean, Sd) UCL	154	µg/L	UCL-NP
Beryllium	31 / 42	1.37	0.0676	0.237	0.189	95% KM (Chebyshev) UCL	0.189	µg/L	UCL-NP
Cadmium	36 / 42	1.25	0.105	0.224	0.233	95% KM (Chebyshev) UCL	0.233	µg/L	UCL-NP
Chromium	26 / 42	24.4	1.77	4.69	3.67	95% KM (Chebyshev) UCL	3.67	µg/L	UCL-NP
Cobalt	38 / 42	31.7	1.18	5.11	4.35	95% KM (Chebyshev) UCL	4.35	µg/L	UCL-NP
Iron	40 / 42	43600	1810	6860	1820	KM H-UCL	1820	µg/L	UCL-NP
Lead	37 / 42	30.4	3.57	7.28	7.81	95% KM (Chebyshev) UCL	3.15	µg/L	KM Mean[b]
RBA Adjusted Lead	37 / 42	22.5	2.64	5.39	5.78	95% KM (Chebyshev) UCL	2.33	µg/L	KM Mean[b]
Manganese	41 / 42	3090	102	480	419	95% KM (Chebyshev) UCL	419	µg/L	UCL-NP
Nickel	40 / 42	68	2.63	10.6	9.5	95% KM (Chebyshev) UCL	9.5	µg/L	UCL-NP
Thallium	18 / 42	0.288	0.0541	0.0655	0.0358	KM H-UCL	0.0358	µg/L	UCL-NP
Uranium	42 / 42	3.14	0.639	0.413	0.756	95% Modified-t UCL	0.756	µg/L	UCL-P
Vanadium	39 / 42	33	1.76	5.25	5.07	95% KM (Chebyshev) UCL	5.07	µg/L	UCL-NP

[a] Based on recommendations from ProUCL, version 5.1.00 software (EPA, 2015d); includes non-detects treated per recommendations for each statistical method:
UCL = Upper confidence limit; UCL-P = Parametric UCL; UCL-NP = Nonparametric UCL
95% KM (BCA) UCL = UCL based on bias-corrected accelerated bootstrap method
95% KM (t) UCL = UCL based on Kaplan-Meier method using the t-distribution cutoff value
95% KM (Chebyshev) UCL = UCL based on Kaplan-Meier method using the Chebyshev inequality

[b] Mean calculated using KM method

Table 3-18. Public Beach Surface Sediment EPCs

Beach/DU	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% UCL or Equivalent [a] (mg/kg)	UCL Statistic [a]	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [a]
AA Campground	Antimony	1 / 5	0.23	0.23	N/A	N/A	—	0.23	Maximum
	Arsenic	5 / 5	3.3	2.37	0.543	2.89	95% Student's-t UCL	2.89	UCL-P
	RBA Adjusted Arsenic	5 / 5	0.771	0.552	0.128	0.674	95% Student's-t UCL	0.674	UCL-P
	Chromium	5 / 5	16.2	12.9	2.5	15.2	95% Student's-t UCL	15.2	UCL-P
	Iron	5 / 5	14100	12500	1390	13800	95% Student's-t UCL	13800	UCL-P
	Lead	5 / 5	18.1	14.7	3.29	17.8	95% Student's-t UCL	14.7	Mean
	RBA Adjusted Lead	5 / 5	13.9	11.1	2.64	13.6	95% Student's-t UCL	11.1	Mean
Barnaby Island Campground	Antimony	5 / 5	0.169	0.136	0.0317	0.166	95% Student's-t UCL	0.166	UCL-P
	Arsenic	5 / 5	2.03	1.53	0.336	1.85	95% Student's-t UCL	1.85	UCL-P
	RBA Adjusted Arsenic	5 / 5	0.384	0.288	0.0665	0.351	95% Student's-t UCL	0.351	UCL-P
	Chromium	5 / 5	9.39	7.12	1.54	8.59	95% Student's-t UCL	8.59	UCL-P
	Iron	5 / 5	12700	10600	1840	12300	95% Student's-t UCL	12300	UCL-P
	Lead	5 / 5	52.5	38	13.4	50.8	95% Student's-t UCL	38	Mean
	RBA Adjusted Lead	5 / 5	36.9	26.7	9.51	35.8	95% Student's-t UCL	26.7	Mean
Black Sand Beach	Antimony	5 / 5	38.7	31.2	4.31	38.4	95% Adjusted Gamma UCL	38.4	UCL-P
	Arsenic	5 / 5	42	25.8	10.9	36.2	95% Student's-t UCL	36.2	UCL-P
	RBA Adjusted Arsenic	5 / 5	6.92	4.32	1.78	6.02	95% Student's-t UCL	6.02	UCL-P
	Chromium	5 / 5	38.6	34.8	4.01	38.6	95% Student's-t UCL	38.6	UCL-P
	Iron	5 / 5	54000	43000	8150	50800	95% Student's-t UCL	50800	UCL-P
	Lead	5 / 5	599	353	175	520	95% Student's-t UCL	353	Mean
	RBA Adjusted Lead	5 / 5	441	271	127	392	95% Student's-t UCL	271	Mean
Bossburg Flat - 2015 - SDU-01	Antimony	1 / 1	3.26	11.4	N/A	13.7	Result*CF	3.91	Result*CF
	Arsenic	1 / 1	11.4	11.4	N/A	13.7	Result*CF	13.7	Result*CF
	RBA Adjusted Arsenic	1 / 1	3.2	3.2	N/A	3.84	Result*CF	3.84	Result*CF
	Chromium	1 / 1	34.1	34.1	N/A	40.9	Result*CF	40.9	Result*CF
	Iron	1 / 1	26600	26600	N/A	31900	Result*CF	31900	Result*CF
	Lead	1 / 1	345	345	N/A	414	Result*CF	345	Mean
	RBA Adjusted Lead	1 / 1	329	329	N/A	395	Result*CF	329	Mean
Bossburg Flat - 2015 - SDU-02	Antimony	3 / 3	2.83	2.74	0.0961	2.91	95% Student's-t UCL	2.91	UCL-P
	Arsenic	3 / 3	11	10.9	0.1	11.1	95% Student's-t UCL	11.1	UCL-P
	RBA Adjusted Arsenic	3 / 3	3.05	2.85	0.236	3.24	95% Student's-t UCL	3.24	UCL-P
	Chromium	3 / 3	30.5	29.9	0.603	31	95% Student's-t UCL	31	UCL-P
	Iron	3 / 3	26100	25600	458	26400	95% Student's-t UCL	26400	UCL-P
	Lead	3 / 3	378	352	23.1	391	95% Student's-t UCL	352	Mean
	RBA Adjusted Lead	3 / 3	381	329	54.4	421	95% Student's-t UCL	329	Mean

Table 3-18. Public Beach Surface Sediment EPCs

Beach/DU	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% UCL or Equivalent [a] (mg/kg)	UCL Statistic [a]	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [a]
Bossburg Flat - 2015 - SDU-03	Antimony	3 / 3	0.366	0.356	0.00907	0.371	95% Student's-t UCL	0.371	UCL-P
	Arsenic	3 / 3	3.85	3.72	0.122	3.92	95% Student's-t UCL	3.92	UCL-P
	RBA Adjusted Arsenic	3 / 3	0.881	0.841	0.0574	0.938	95% Student's-t UCL	0.938	UCL-P
	Chromium	3 / 3	18.1	17.5	0.896	19	95% Student's-t UCL	19	UCL-P
	Iron	3 / 3	13500	13200	493	14000	95% Student's-t UCL	14000	UCL-P
	Lead	3 / 3	118	101	22.8	139	95% Student's-t UCL	101	Mean
	RBA Adjusted Lead	3 / 3	95.5	85.1	11.5	104	95% Student's-t UCL	85.1	Mean
Bossburg Flat - 2015 - SDU-04	Antimony	1 / 1	0.783	0.783	N/A	0.94	Result*CF	0.94	Result*CF
	Arsenic	1 / 1	9.56	9.56	N/A	11.5	Result*CF	11.5	Result*CF
	RBA Adjusted Arsenic	1 / 1	1.54	1.54	N/A	1.85	Result*CF	1.85	Result*CF
	Chromium	1 / 1	21.6	21.6	N/A	25.9	Result*CF	25.9	Result*CF
	Iron	1 / 1	16500	16500	N/A	19800	Result*CF	19800	Result*CF
	Lead	1 / 1	41.6	41.6	N/A	49.9	Result*CF	41.6	Mean
	RBA Adjusted Lead	1 / 1	36.4	36.4	N/A	43.7	Result*CF	36.4	Mean
Bossburg Flat - 2015 - SDU-08	Antimony	1 / 1	3.29	3.29	N/A	3.95	Result*CF	3.95	Result*CF
	Arsenic	1 / 1	12.4	12.4	N/A	14.9	Result*CF	14.9	Result*CF
	RBA Adjusted Arsenic	1 / 1	3.21	3.21	N/A	3.86	Result*CF	3.86	Result*CF
	Chromium	1 / 1	27.8	27.8	N/A	33.4	Result*CF	33.4	Result*CF
	Iron	1 / 1	26100	26100	N/A	31300	Result*CF	31300	Result*CF
	Lead	1 / 1	396	396	N/A	475	Result*CF	396	Mean
	RBA Adjusted Lead	1 / 1	312	312	N/A	375	Result*CF	312	Mean
Bossburg Flat - 2015 - SDU-09	Antimony	1 / 1	0.856	0.856	N/A	1.03	Result*CF	1.03	Result*CF
	Arsenic	1 / 1	5.7	5.7	N/A	6.84	Result*CF	6.84	Result*CF
	RBA Adjusted Arsenic	1 / 1	1.36	1.36	N/A	1.63	Result*CF	1.63	Result*CF
	Chromium	1 / 1	19.1	19.1	N/A	22.9	Result*CF	22.9	Result*CF
	Iron	1 / 1	16300	16300	N/A	19600	Result*CF	19600	Result*CF
	Lead	1 / 1	87.8	87.8	N/A	105	Result*CF	87.8	Mean
	RBA Adjusted Lead	1 / 1	69	69	N/A	82.8	Result*CF	69	Mean
Bossburg Flat - 2015 - SDU-10	Antimony	1 / 1	0.83	0.83	N/A	0.996	Result*CF	0.996	Result*CF
	Arsenic	1 / 1	6.48	6.48	N/A	7.78	Result*CF	7.78	Result*CF
	RBA Adjusted Arsenic	1 / 1	1.4	1.4	N/A	1.68	Result*CF	1.68	Result*CF
	Chromium	1 / 1	17.5	17.5	N/A	21	Result*CF	21	Result*CF
	Iron	1 / 1	15800	15800	N/A	19000	Result*CF	19000	Result*CF
	Lead	1 / 1	98.1	98.1	N/A	118	Result*CF	98.1	Mean
	RBA Adjusted Lead	1 / 1	79.8	79.8	N/A	95.8	Result*CF	79.8	Mean

Table 3-18. Public Beach Surface Sediment EPCs

Beach/DU	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% UCL or Equivalent [a] (mg/kg)	UCL Statistic [a]	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [a]
Bossburg Flat-2011/2013	Antimony	5 / 5	2.61	2.02	0.539	2.53	95% Student's-t UCL	2.53	UCL-P
	Arsenic	5 / 5	5.62	4.72	0.867	5.54	95% Student's-t UCL	5.54	UCL-P
	RBA Adjusted Arsenic	5 / 5	1.41	1.18	0.217	1.39	95% Student's-t UCL	1.39	UCL-P
	Chromium	5 / 5	19	15.5	2.16	17.5	95% Student's-t UCL	17.5	UCL-P
	Iron	5 / 5	19600	17300	1440	18700	95% Student's-t UCL	18700	UCL-P
	Lead	5 / 5	1940	1230	396	1640	95% Modified-t UCL	1230	Mean
	RBA Adjusted Lead	5 / 5	2440	1550	497	2060	95% Modified-t UCL	1550	Mean
Bradbury	Antimony	5 / 5	1.02	0.642	0.245	0.876	95% Student's-t UCL	0.876	UCL-P
	Arsenic	5 / 5	21.6	11.1	6.76	17.6	95% Student's-t UCL	17.6	UCL-P
	RBA Adjusted Arsenic	5 / 5	3.27	1.69	1.01	2.66	95% Student's-t UCL	2.66	UCL-P
	Chromium	5 / 5	41.4	27	10	36.5	95% Student's-t UCL	36.5	UCL-P
	Iron	5 / 5	41200	29500	9680	38700	95% Student's-t UCL	38700	UCL-P
	Lead	5 / 5	162	84.3	52.7	135	95% Student's-t UCL	84.3	Mean
	RBA Adjusted Lead	5 / 5	146	75.3	48	121	95% Student's-t UCL	75.3	Mean
China Bend	Antimony	5 / 5	6.52	5.76	0.69	6.42	95% Student's-t UCL	6.42	UCL-P
	Arsenic	5 / 5	11.7	8.11	2.54	10.5	95% Student's-t UCL	10.5	UCL-P
	RBA Adjusted Arsenic	5 / 5	2.38	1.77	0.462	2.21	95% Student's-t UCL	2.21	UCL-P
	Chromium	5 / 5	26.9	20.2	4.92	24.9	95% Student's-t UCL	24.9	UCL-P
	Iron	5 / 5	41400	33500	5690	39000	95% Student's-t UCL	39000	UCL-P
	Lead	5 / 5	444	343	86.9	426	95% Student's-t UCL	343	Mean
	RBA Adjusted Lead	5 / 5	406	300	83.2	379	95% Student's-t UCL	300	Mean
Colville Flats	Antimony	5 / 5	1.29	0.854	0.349	1.19	95% Student's-t UCL	1.19	UCL-P
	Arsenic	5 / 5	7.69	5.53	1.71	7.16	95% Student's-t UCL	7.16	UCL-P
	RBA Adjusted Arsenic	5 / 5	2.14	1.54	0.471	1.99	95% Student's-t UCL	1.99	UCL-P
	Chromium	5 / 5	19.6	17.4	2.22	19.5	95% Student's-t UCL	19.5	UCL-P
	Iron	5 / 5	22000	19600	1860	21400	95% Student's-t UCL	21400	UCL-P
	Lead	5 / 5	343	223	87.1	306	95% Student's-t UCL	223	Mean
	RBA Adjusted Lead	5 / 5	302	194	78.7	269	95% Student's-t UCL	194	Mean
Colville River	Antimony	3 / 5	0.208	0.16	0.0565	0.19	95% KM (t) UCL	0.19	UCL-P
	Arsenic	5 / 5	2.89	2.29	0.441	2.71	95% Student's-t UCL	2.71	UCL-P
	RBA Adjusted Arsenic	5 / 5	0.598	0.459	0.0998	0.554	95% Student's-t UCL	0.554	UCL-P
	Chromium	5 / 5	19.8	16	3.42	19.3	95% Student's-t UCL	19.3	UCL-P
	Iron	5 / 5	26700	21400	4390	25600	95% Student's-t UCL	25600	UCL-P
	Lead	5 / 5	23.3	16.8	5.54	22.1	95% Student's-t UCL	16.8	Mean
	RBA Adjusted Lead	5 / 5	17.4	12.1	4.39	16.3	95% Student's-t UCL	12.1	Mean

Table 3-18. Public Beach Surface Sediment EPCs

Beach/DU	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% UCL or Equivalent [a] (mg/kg)	UCL Statistic [a]	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [a]
Crescent Bay	Antimony	0 / 5	N/A	N/A	N/A	N/A	—	N/A	—
	Arsenic	5 / 5	3.41	2.77	0.597	3.34	95% Student's-t UCL	3.34	UCL-P
	RBA Adjusted Arsenic	5 / 5	0.771	0.624	0.141	0.759	95% Student's-t UCL	0.759	UCL-P
	Chromium	5 / 5	6.12	5.35	0.784	6.1	95% Student's-t UCL	6.1	UCL-P
	Iron	5 / 5	27700	26700	1240	27900	95% Student's-t UCL	27900	UCL-P
	Lead	5 / 5	6.45	5.39	1.19	6.52	95% Student's-t UCL	5.39	Mean
	RBA Adjusted Lead	5 / 5	2.18	1.77	0.469	2.22	95% Student's-t UCL	1.77	Mean
Dalles Orchard	Antimony	3 / 3	36.3	30.3	5.33	39.3	95% Student's-t UCL	39.3	UCL-P
	Arsenic	3 / 3	19.4	15.3	3.54	21.3	95% Student's-t UCL	21.3	UCL-P
	RBA Adjusted Arsenic	3 / 3	4.79	4.03	0.661	5.14	95% Student's-t UCL	5.14	UCL-P
	Chromium	3 / 3	30.2	25.5	4.44	33	95% Student's-t UCL	33	UCL-P
	Iron	3 / 3	65000	59900	4690	67800	95% Student's-t UCL	67800	UCL-P
	Lead	3 / 3	551	427	129	645	95% Student's-t UCL	427	Mean
	RBA Adjusted Lead	3 / 3	482	372	114	565	95% Student's-t UCL	372	Mean
Enterprise	Antimony	3 / 5	0.403	0.318	0.137	0.391	95% KM (t) UCL	0.391	UCL-P
	Arsenic	5 / 5	8.75	5.82	2.55	8.25	95% Student's-t UCL	8.25	UCL-P
	RBA Adjusted Arsenic	5 / 5	1.72	1.1	0.55	1.62	95% Student's-t UCL	1.62	UCL-P
	Chromium	5 / 5	38.3	26.3	11.2	37	95% Student's-t UCL	37	UCL-P
	Iron	5 / 5	33800	24800	8530	32900	95% Student's-t UCL	32900	UCL-P
	Lead	5 / 5	23.5	16.7	6.27	22.7	95% Student's-t UCL	16.7	Mean
	RBA Adjusted Lead	5 / 5	15.4	10.4	4.77	14.9	95% Student's-t UCL	10.4	Mean
Evans Campground - 2015 - SDU-05	Antimony	1 / 1	2.28	2.28	N/A	2.74	Result*CF	2.74	Result*CF
	Arsenic	1 / 1	9.35	9.35	N/A	11.2	Result*CF	11.2	Result*CF
	RBA Adjusted Arsenic	1 / 1	2.03	2.03	N/A	2.44	Result*CF	2.44	Result*CF
	Chromium	1 / 1	23.2	23.2	N/A	27.8	Result*CF	27.8	Result*CF
	Iron	1 / 1	22300	22300	N/A	26800	Result*CF	26800	Result*CF
	Lead	1 / 1	307	307	N/A	368	Result*CF	307	Mean
	RBA Adjusted Lead	1 / 1	230	230	N/A	276	Result*CF	230	Mean
Evans Campground - 2015 - SDU-06	Antimony	3 / 3	0.175	0.143	0.0284	0.19	95% Student's-t UCL	0.19	UCL-P
	Arsenic	3 / 3	4.05	3.47	0.514	4.33	95% Student's-t UCL	4.33	UCL-P
	RBA Adjusted Arsenic	3 / 3	0.768	0.688	0.0699	0.806	95% Student's-t UCL	0.806	UCL-P
	Chromium	3 / 3	16.5	15.7	0.693	16.9	95% Student's-t UCL	16.9	UCL-P
	Iron	3 / 3	13300	12700	493	13600	95% Student's-t UCL	13600	UCL-P
	Lead	3 / 3	30.3	22.5	6.95	34.3	95% Student's-t UCL	22.5	Mean
	RBA Adjusted Lead	3 / 3	22	15.9	5.43	25	95% Student's-t UCL	15.9	Mean

Table 3-18. Public Beach Surface Sediment EPCs

Beach/DU	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% UCL or Equivalent [a] (mg/kg)	UCL Statistic [a]	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [a]
Evans Campground - 2015 - SDU-07	Antimony	3 / 3	2.05	1.73	0.306	2.25	95% Student's-t UCL	2.25	UCL-P
	Arsenic	3 / 3	12.3	11.4	1.21	13.4	95% Student's-t UCL	13.4	UCL-P
	RBA Adjusted Arsenic	3 / 3	3.01	2.78	0.349	3.37	95% Student's-t UCL	3.37	UCL-P
	Chromium	3 / 3	30.3	27.8	2.26	31.6	95% Student's-t UCL	31.6	UCL-P
	Iron	3 / 3	23700	22500	1500	25000	95% Student's-t UCL	25000	UCL-P
	Lead	3 / 3	317	282	59.5	382	95% Student's-t UCL	282	Mean
	RBA Adjusted Lead	3 / 3	271	242	43.4	315	95% Student's-t UCL	242	Mean
Evans Campground-2011/2013	Antimony	5 / 5	2.86	1.64	0.808	2.41	95% Student's-t UCL	2.41	UCL-P
	Arsenic	5 / 5	6.42	4.95	0.98	5.89	95% Student's-t UCL	5.89	UCL-P
	RBA Adjusted Arsenic	5 / 5	1.71	1.32	0.261	1.57	95% Student's-t UCL	1.57	UCL-P
	Chromium	5 / 5	34.4	26.1	6.69	32.4	95% Student's-t UCL	32.4	UCL-P
	Iron	5 / 5	26000	20900	3290	24000	95% Student's-t UCL	24000	UCL-P
	Lead	5 / 5	328	240	67.4	304	95% Student's-t UCL	240	Mean
	RBA Adjusted Lead	5 / 5	371	271	76.2	344	95% Student's-t UCL	271	Mean
Flat creek	Antimony	5 / 5	9.28	7.1	2.19	9.19	95% Student's-t UCL	9.19	UCL-P
	Arsenic	5 / 5	9.84	8.06	1.04	9.06	95% Student's-t UCL	9.06	UCL-P
	RBA Adjusted Arsenic	5 / 5	1.98	1.62	0.21	1.82	95% Student's-t UCL	1.82	UCL-P
	Chromium	5 / 5	32.4	27	4.83	31.6	95% Student's-t UCL	31.6	UCL-P
	Iron	5 / 5	36800	30700	5680	36100	95% Student's-t UCL	36100	UCL-P
	Lead	5 / 5	222	197	17	213	95% Student's-t UCL	197	Mean
	RBA Adjusted Lead	5 / 5	243	216	18.6	233	95% Student's-t UCL	216	Mean
Hawk creek	Antimony	5 / 5	0.525	0.472	0.0444	0.514	95% Student's-t UCL	0.514	UCL-P
	Arsenic	5 / 5	12.4	11.5	1.03	12.5	95% Student's-t UCL	12.5	UCL-P
	RBA Adjusted Arsenic	5 / 5	1.73	1.46	0.251	1.7	95% Student's-t UCL	1.7	UCL-P
	Chromium	5 / 5	16.4	14.2	2.81	16.8	95% Student's-t UCL	16.8	UCL-P
	Iron	5 / 5	29100	26500	2550	29000	95% Student's-t UCL	29000	UCL-P
	Lead	5 / 5	14.5	12	1.9	13.8	95% Student's-t UCL	12	Mean
	RBA Adjusted Lead	5 / 5	6.17	4.87	0.96	5.78	95% Student's-t UCL	4.87	Mean
Hunters	Antimony	5 / 5	0.41	0.365	0.0481	0.411	95% Student's-t UCL	0.411	UCL-P
	Arsenic	5 / 5	9.7	6.96	1.83	8.7	95% Student's-t UCL	8.7	UCL-P
	RBA Adjusted Arsenic	5 / 5	1.52	1.1	0.284	1.37	95% Student's-t UCL	1.37	UCL-P
	Chromium	5 / 5	48.9	32	13.9	45.2	95% Student's-t UCL	45.2	UCL-P
	Iron	5 / 5	35100	29700	5000	34400	95% Student's-t UCL	34400	UCL-P
	Lead	5 / 5	34.6	22.9	11.3	33.7	95% Student's-t UCL	22.9	Mean
	RBA Adjusted Lead	5 / 5	19.2	12.8	6.25	18.7	95% Student's-t UCL	12.8	Mean

Table 3-18. Public Beach Surface Sediment EPCs

Beach/DU	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% UCL or Equivalent [a] (mg/kg)	UCL Statistic [a]	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [a]
Jones Bay	Antimony	5 / 5	0.297	0.23	0.0597	0.287	95% Student's-t UCL	0.287	UCL-P
	Arsenic	5 / 5	16.3	8.58	4.69	13.1	95% Student's-t UCL	13.1	UCL-P
	RBA Adjusted Arsenic	5 / 5	1.99	1.1	0.547	1.62	95% Student's-t UCL	1.62	UCL-P
	Chromium	5 / 5	18.5	12.4	4.22	16.4	95% Student's-t UCL	16.4	UCL-P
	Iron	5 / 5	28600	20600	5860	26100	95% Student's-t UCL	26100	UCL-P
	Lead	5 / 5	14.8	8.15	4.13	12.1	95% Student's-t UCL	8.15	Mean
	RBA Adjusted Lead	5 / 5	6.43	3.29	1.91	5.12	95% Student's-t UCL	3.29	Mean
Kamloops Island	Antimony	5 / 5	0.722	0.263	0.264	1.37	95% Adjusted Gamma UCL	1.37	UCL-P
	Arsenic	5 / 5	6.88	3.19	2.08	6.94	95% H-UCL	6.94	UCL-P
	RBA Adjusted Arsenic	5 / 5	1.61	0.754	0.482	1.6	95% H-UCL	1.6	UCL-P
	Chromium	5 / 5	61.8	26.6	20.3	45.9	95% Student's-t UCL	45.9	UCL-P
	Iron	5 / 5	58700	26500	18800	44400	95% Student's-t UCL	44400	UCL-P
	Lead	5 / 5	66.4	26.2	23.1	48.3	95% Student's-t UCL	26.2	Mean
	RBA Adjusted Lead	5 / 5	46.9	18.5	16.4	34.1	95% Student's-t UCL	18.5	Mean
Kettle Falls	Antimony	2 / 5	0.47	0.374	0.137	0.418	95% KM (t) UCL	0.418	UCL-P
	Arsenic	5 / 5	2.15	1.81	0.247	2.05	95% Student's-t UCL	2.05	UCL-P
	RBA Adjusted Arsenic	5 / 5	0.318	0.267	0.0354	0.301	95% Student's-t UCL	0.301	UCL-P
	Chromium	5 / 5	15.6	12.1	2.49	14.5	95% Student's-t UCL	14.5	UCL-P
	Iron	5 / 5	42200	30500	7570	37700	95% Student's-t UCL	37700	UCL-P
	Lead	5 / 5	16.7	14.5	1.86	16.3	95% Student's-t UCL	14.5	Mean
	RBA Adjusted Lead	5 / 5	10.9	9.26	1.26	10.5	95% Student's-t UCL	9.26	Mean
Lyons Island	Antimony	5 / 5	0.96	0.454	0.311	0.75	95% Student's-t UCL	0.75	UCL-P
	Arsenic	5 / 5	4.54	3.06	0.997	4.01	95% Student's-t UCL	4.01	UCL-P
	RBA Adjusted Arsenic	5 / 5	0.833	0.561	0.183	0.736	95% Student's-t UCL	0.736	UCL-P
	Chromium	5 / 5	25.6	15.9	6.23	21.8	95% Student's-t UCL	21.8	UCL-P
	Iron	5 / 5	31200	21600	5880	27300	95% Student's-t UCL	27300	UCL-P
	Lead	5 / 5	173	103	56.9	157	95% Student's-t UCL	103	Mean
	RBA Adjusted Lead	5 / 5	162	96.6	53.3	147	95% Student's-t UCL	96.6	Mean
McGuires	Antimony	5 / 5	0.394	0.3	0.0724	0.37	95% Student's-t UCL	0.37	UCL-P
	Arsenic	5 / 5	10.1	7.01	2.25	9.15	95% Student's-t UCL	9.15	UCL-P
	RBA Adjusted Arsenic	5 / 5	1.45	0.992	0.334	1.31	95% Student's-t UCL	1.31	UCL-P
	Chromium	5 / 5	23.4	18.5	4.17	22.5	95% Student's-t UCL	22.5	UCL-P
	Iron	5 / 5	28500	21800	4520	26100	95% Student's-t UCL	26100	UCL-P
	Lead	5 / 5	13.7	10.1	3.03	13	95% Student's-t UCL	10.1	Mean
	RBA Adjusted Lead	5 / 5	7.49	5.41	1.72	7.05	95% Student's-t UCL	5.41	Mean

Table 3-18. Public Beach Surface Sediment EPCs

Beach/DU	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% UCL or Equivalent [a] (mg/kg)	UCL Statistic [a]	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [a]
Mitchell Point	Antimony	5 / 5	0.775	0.574	0.156	0.723	95% Student's-t UCL	0.723	UCL-P
	Arsenic	5 / 5	15.4	12.4	2.86	15.1	95% Student's-t UCL	15.1	UCL-P
	RBA Adjusted Arsenic	5 / 5	2.21	1.76	0.419	2.16	95% Student's-t UCL	2.16	UCL-P
	Chromium	5 / 5	30.2	25.8	4.77	30.3	95% Student's-t UCL	30.3	UCL-P
	Iron	5 / 5	39300	32800	7230	39700	95% Student's-t UCL	39700	UCL-P
	Lead	5 / 5	21.3	16.5	4.37	20.6	95% Student's-t UCL	16.5	Mean
	RBA Adjusted Lead	5 / 5	9.5	7.33	1.99	9.22	95% Student's-t UCL	7.33	Mean
Naborlee	Antimony	5 / 5	0.312	0.234	0.0647	0.296	95% Student's-t UCL	0.296	UCL-P
	Arsenic	5 / 5	5.31	3.86	0.997	4.81	95% Student's-t UCL	4.81	UCL-P
	RBA Adjusted Arsenic	5 / 5	0.835	0.586	0.167	0.746	95% Student's-t UCL	0.746	UCL-P
	Chromium	5 / 5	21	16.5	3.57	19.9	95% Student's-t UCL	19.9	UCL-P
	Iron	5 / 5	22300	17900	3310	21000	95% Student's-t UCL	21000	UCL-P
	Lead	5 / 5	58.2	33.5	20	52.5	95% Student's-t UCL	33.5	Mean
	RBA Adjusted Lead	5 / 5	46.7	26.9	16	42.2	95% Student's-t UCL	26.9	Mean
Nez Perce	Antimony	5 / 5	0.356	0.317	0.0275	0.343	95% Student's-t UCL	0.343	UCL-P
	Arsenic	5 / 5	8.96	6.91	1.45	8.29	95% Student's-t UCL	8.29	UCL-P
	RBA Adjusted Arsenic	5 / 5	1.74	1.31	0.317	1.61	95% Student's-t UCL	1.61	UCL-P
	Chromium	5 / 5	23.4	19.4	3.92	23.1	95% Student's-t UCL	23.1	UCL-P
	Iron	5 / 5	23800	20000	3290	23200	95% Student's-t UCL	23200	UCL-P
	Lead	5 / 5	13.9	10.9	2.92	13.7	95% Student's-t UCL	10.9	Mean
	RBA Adjusted Lead	5 / 5	8.75	6.82	2.02	8.75	95% Student's-t UCL	6.82	Mean
Northport Beach	Antimony	3 / 3	21.4	17	4.11	23.9	95% Student's-t UCL	23.9	UCL-P
	Arsenic	3 / 3	10.2	8.42	1.55	11	95% Student's-t UCL	11	UCL-P
	RBA Adjusted Arsenic	3 / 3	3.34	2.71	0.553	3.65	95% Student's-t UCL	3.65	UCL-P
	Chromium	3 / 3	36.6	27.8	7.65	40.7	95% Student's-t UCL	40.7	UCL-P
	Iron	3 / 3	57100	43700	11700	63400	95% Student's-t UCL	63400	UCL-P
	Lead	3 / 3	558	331	221	703	95% Student's-t UCL	331	Mean
	RBA Adjusted Lead	3 / 3	519	321	202	661	95% Student's-t UCL	321	Mean
Seven Bays	Antimony	5 / 5	0.5	0.244	0.15	0.387	95% Student's-t UCL	0.387	UCL-P
	Arsenic	5 / 5	14.3	11.3	2.5	13.7	95% Student's-t UCL	13.7	UCL-P
	RBA Adjusted Arsenic	5 / 5	1.54	1.26	0.313	1.56	95% Student's-t UCL	1.56	UCL-P
	Chromium	5 / 5	13.9	6.21	4.52	10.5	95% Student's-t UCL	10.5	UCL-P
	Iron	5 / 5	30500	22100	6880	28600	95% Student's-t UCL	28600	UCL-P
	Lead	5 / 5	15.7	6.64	5.28	11.7	95% Student's-t UCL	6.64	Mean
	RBA Adjusted Lead	5 / 5	6.57	2.62	2.28	4.8	95% Student's-t UCL	2.62	Mean

Table 3-18. Public Beach Surface Sediment EPCs

Beach/DU	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% UCL or Equivalent [a] (mg/kg)	UCL Statistic [a]	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [a]
Spring Canyon	Antimony	5 / 5	0.355	0.283	0.047	0.328	95% Student's-t UCL	0.328	UCL-P
	Arsenic	5 / 5	9.27	8.55	0.545	9.07	95% Student's-t UCL	9.07	UCL-P
	RBA Adjusted Arsenic	5 / 5	1.03	0.942	0.0666	1.01	95% Student's-t UCL	1.01	UCL-P
	Chromium	5 / 5	10.2	9.64	0.633	10.2	95% Student's-t UCL	10.2	UCL-P
	Iron	5 / 5	20400	19600	821	20400	95% Student's-t UCL	20400	UCL-P
	Lead	5 / 5	9.95	9.29	0.566	9.83	95% Student's-t UCL	9.29	Mean
	RBA Adjusted Lead	5 / 5	4.98	4.66	0.288	4.93	95% Student's-t UCL	4.66	Mean
Summer Island	Antimony	5 / 5	1.68	1.17	0.296	1.45	95% Student's-t UCL	1.45	UCL-P
	Arsenic	5 / 5	11.1	7.72	1.96	11.3	95% Adjusted Gamma UCL	11.3	UCL-P
	RBA Adjusted Arsenic	5 / 5	2.45	1.73	0.418	2.13	95% Student's-t UCL	2.13	UCL-P
	Chromium	5 / 5	15	13.4	1.25	14.6	95% Student's-t UCL	14.6	UCL-P
	Iron	5 / 5	25300	20400	3040	23300	95% Student's-t UCL	23300	UCL-P
	Lead	5 / 5	492	354	78.4	434	95% Modified-t UCL	354	Mean
	RBA Adjusted Lead	5 / 5	478	338	80	481	95% Adjusted Gamma UCL	338	Mean
Swawilla Basin	Antimony	5 / 5	0.242	0.223	0.0216	0.243	95% Student's-t UCL	0.243	UCL-P
	Arsenic	5 / 5	8.68	6.32	1.42	7.67	95% Student's-t UCL	7.67	UCL-P
	RBA Adjusted Arsenic	5 / 5	1.34	0.926	0.245	1.16	95% Student's-t UCL	1.16	UCL-P
	Chromium	5 / 5	15.5	11.7	2.13	13.9	95% Modified-t UCL	13.9	UCL-P
	Iron	5 / 5	24400	18900	3150	21900	95% Student's-t UCL	21900	UCL-P
	Lead	5 / 5	14.7	9.12	3.11	12.3	95% Modified-t UCL	9.12	Mean
	RBA Adjusted Lead	5 / 5	8.35	4.81	1.99	6.85	95% Modified-t UCL	4.81	Mean
Swimming Hole	Antimony	5 / 5	60.9	40.6	12.4	52.4	95% Student's-t UCL	52.4	UCL-P
	Arsenic	5 / 5	12.6	10.8	1.36	12.1	95% Student's-t UCL	12.1	UCL-P
	RBA Adjusted Arsenic	5 / 5	3.6	3.09	0.389	3.46	95% Student's-t UCL	3.46	UCL-P
	Chromium	5 / 5	58.1	36.3	13.7	49.3	95% Student's-t UCL	49.3	UCL-P
	Iron	5 / 5	92200	57100	21900	77900	95% Student's-t UCL	77900	UCL-P
	Lead	5 / 5	188	162	18.4	180	95% Student's-t UCL	162	Mean
	RBA Adjusted Lead	5 / 5	190	164	18.6	182	95% Student's-t UCL	164	Mean
Upper Columbia R.V. Park	Antimony	5 / 5	16.7	11.8	3.35	15	95% Student's-t UCL	15	UCL-P
	Arsenic	5 / 5	15.2	10.9	2.65	13.4	95% Student's-t UCL	13.4	UCL-P
	RBA Adjusted Arsenic	5 / 5	3.14	2.62	0.335	2.94	95% Student's-t UCL	2.94	UCL-P
	Chromium	5 / 5	24.8	20.6	3.11	23.6	95% Student's-t UCL	23.6	UCL-P
	Iron	5 / 5	39000	32300	4560	36600	95% Student's-t UCL	36600	UCL-P
	Lead	5 / 5	419	311	91.2	398	95% Student's-t UCL	311	Mean
	RBA Adjusted Lead	5 / 5	344	266	70.7	333	95% Student's-t UCL	266	Mean

Table 3-18. Public Beach Surface Sediment EPCs

Beach/DU	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% UCL or Equivalent [a] (mg/kg)	UCL Statistic [a]	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [a]
Welty Bay	Antimony	5 / 5	0.376	0.27	0.104	0.369	95% Student's-t UCL	0.369	UCL-P
	Arsenic	5 / 5	3.32	2.45	0.765	3.18	95% Student's-t UCL	3.18	UCL-P
	RBA Adjusted Arsenic	5 / 5	0.994	0.734	0.233	0.956	95% Student's-t UCL	0.956	UCL-P
	Chromium	5 / 5	18.6	14.5	3.93	18.2	95% Student's-t UCL	18.2	UCL-P
	Iron	5 / 5	20100	15800	3380	19100	95% Student's-t UCL	19100	UCL-P
	Lead	5 / 5	144	77.9	46.7	122	95% Student's-t UCL	77.9	Mean
	RBA Adjusted Lead	5 / 5	137	74.2	44.7	117	95% Student's-t UCL	74.2	Mean
Whitestone Campground	Antimony	5 / 5	0.287	0.185	0.0611	0.243	95% Student's-t UCL	0.243	UCL-P
	Arsenic	5 / 5	7.43	4.09	1.95	5.94	95% Student's-t UCL	5.94	UCL-P
	RBA Adjusted Arsenic	5 / 5	0.694	0.402	0.175	0.569	95% Student's-t UCL	0.569	UCL-P
	Chromium	5 / 5	19.5	14.1	4.69	18.6	95% Student's-t UCL	18.6	UCL-P
	Iron	5 / 5	23000	18800	3960	22600	95% Student's-t UCL	22600	UCL-P
	Lead	5 / 5	15	10.5	3.13	13.5	95% Student's-t UCL	10.5	Mean
	RBA Adjusted Lead	5 / 5	8.76	6.01	1.85	7.78	95% Student's-t UCL	6.01	Mean
Wilmont Creek	Antimony	5 / 5	0.333	0.313	0.0187	0.331	95% Student's-t UCL	0.331	UCL-P
	Arsenic	5 / 5	5.34	4.81	0.452	5.24	95% Student's-t UCL	5.24	UCL-P
	RBA Adjusted Arsenic	5 / 5	1.06	0.969	0.0837	1.05	95% Student's-t UCL	1.05	UCL-P
	Chromium	5 / 5	20.7	19.7	0.948	20.6	95% Student's-t UCL	20.6	UCL-P
	Iron	5 / 5	23300	20400	2020	22400	95% Student's-t UCL	22400	UCL-P
	Lead	5 / 5	44	31.7	7.45	38.8	95% Student's-t UCL	31.7	Mean
	RBA Adjusted Lead	5 / 5	39.5	28.3	6.77	34.7	95% Student's-t UCL	28.3	Mean

N/A = Not Available UCL = Upper confidence limit; UCL-P = Parametric UCL

[a] For DUs sampled in 2015 at Bossburg Flat Beach and Evans Campground with only a singe incremental composite (IC) sample, EPCs were estimated by applying a site-specific confidence factor (CF; 1.2) to the sediment concentration measured in the single ICS composite sample (See Appendix 12). All other beaches/DUs are based on recommendations from ProUCL, version 5.1.00 software (EPA, 2015d); includes non-detects treated per recommendations for each statistical method:

95% KM (t) UCL = UCL based on Kaplan-Meier method using the t-distribution cutoff value
95% Student's t = UCL based on Student's t-distribution
95% Adjusted Gamma UCL = UCL adjusted for level of significance
95% H-UCL = UCL based on Land's H-Statistic
95% Modified-t statistic based UCL= adjusted for mildly skewed data

Table 3-19. Public Beach Subsurface Sediment EPCs

Beach/DU	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% UCL or Equivalent [a] (mg/kg)	UCL Statistic [a]	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [a]
Bossburg Flat - 2015 - F-01	Antimony	3 / 3	2.11	0.822	1.12	2.7	95% Student's-t UCL	2.7	UCL-P
	Arsenic	3 / 3	8.7	5.01	3.31	10.6	95% Student's-t UCL	10.6	UCL-P
	RBA Adjusted Arsenic	3 / 3	1.89	0.928	0.854	2.37	95% Student's-t UCL	2.37	UCL-P
	Chromium	3 / 3	19.3	16.4	2.79	21.1	95% Student's-t UCL	21.1	UCL-P
	Cobalt	3 / 3	6.06	5.47	0.545	21100	95% Student's-t UCL	6.39	UCL-P
	Iron	3 / 3	19000	14600	3800	2490	95% Student's-t UCL	21100	Mean
	Lead	3 / 3	1930	739	1040	2460	95% Student's-t UCL	739	Mean
	RBA Adjusted Lead	3 / 3	1900	680	1060	6.39	95% Student's-t UCL	680	UCL-P
	Manganese	3 / 3	271	214	62.4	319	95% Student's-t UCL	319	UCL-P
Bossburg Flat - 2015 - SDU-01	Antimony	3 / 3	2.13	2.04	0.131	2.26	95% Student's-t UCL	2.26	UCL-P
	Arsenic	3 / 3	13.1	11.4	1.51	14	95% Student's-t UCL	14	UCL-P
	RBA Adjusted Arsenic	3 / 3	2.93	2.71	0.234	3.11	95% Student's-t UCL	3.11	UCL-P
	Chromium	3 / 3	25.7	22.6	3.28	28.1	95% Student's-t UCL	28.1	UCL-P
	Cobalt	3 / 3	7.42	6.6	0.738	7.85	95% Student's-t UCL	7.85	UCL-P
	Iron	3 / 3	25000	23400	1880	26500	95% Student's-t UCL	26500	UCL-P
	Lead	3 / 3	462	406	59.6	507	95% Student's-t UCL	406	Mean
	RBA Adjusted Lead	3 / 3	371	336	45.2	413	95% Student's-t UCL	336	Mean
	Manganese	3 / 3	351	342	10.7	360	95% Student's-t UCL	360	UCL-P
Bossburg Flat - 2015- SDU-02	Antimony	3 / 3	1.79	1.72	0.0846	1.86	95% Student's-t UCL	1.86	UCL-P
	Arsenic	3 / 3	13.2	10.9	2.25	14.7	95% Student's-t UCL	14.7	UCL-P
	RBA Adjusted Arsenic	3 / 3	2.85	2.5	0.339	3.07	95% Student's-t UCL	3.07	UCL-P
	Chromium	3 / 3	27.3	25.1	1.91	28.3	95% Student's-t UCL	28.3	UCL-P
	Cobalt	3 / 3	7.53	6.89	0.56	7.84	95% Student's-t UCL	7.84	UCL-P
	Iron	3 / 3	25300	24400	1030	26200	95% Student's-t UCL	26200	UCL-P
	Lead	3 / 3	507	401	98	566	95% Student's-t UCL	401	Mean
	RBA Adjusted Lead	3 / 3	380	302	71.3	423	95% Student's-t UCL	302	Mean
	Manganese	3 / 3	393	364	38.2	429	95% Student's-t UCL	429	UCL-P
Bossburg Flat - 2015 - SDU-03	Antimony	3 / 3	0.551	0.344	0.182	0.65	95% Student's-t UCL	0.65	UCL-P
	Arsenic	3 / 3	4.74	3.66	1.01	5.36	95% Student's-t UCL	5.36	UCL-P
	RBA Adjusted Arsenic	3 / 3	1.07	0.846	0.243	1.26	95% Student's-t UCL	1.26	UCL-P
	Chromium	3 / 3	20.2	14.4	6.77	25.8	95% Student's-t UCL	25.8	UCL-P
	Cobalt	3 / 3	5.69	4.1	1.88	7.26	95% Student's-t UCL	7.26	UCL-P
	Iron	3 / 3	14800	11300	5090	19900	95% Student's-t UCL	19900	UCL-P
	Lead	3 / 3	141	65.1	67.3	179	95% Student's-t UCL	65.1	Mean
	RBA Adjusted Lead	3 / 3	106	49.2	51.1	135	95% Student's-t UCL	49.2	Mean
	Manganese	3 / 3	191	160	37.8	223	95% Student's-t UCL	223	UCL-P

Table 3-19. Public Beach Subsurface Sediment EPCs

Beach/DU	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% UCL or Equivalent [a] (mg/kg)	UCL Statistic [a]	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [a]
Bossburg Flat - 2015 - SDU-04	Antimony	3 / 3	2.35	1.08	1.1	2.94	95% Student's-t UCL	2.94	UCL-P
	Arsenic	3 / 3	9.38	6.23	2.73	10.8	95% Student's-t UCL	10.8	UCL-P
	RBA Adjusted Arsenic	3 / 3	1.46	1.31	0.253	1.73	95% Student's-t UCL	1.73	UCL-P
	Chromium	3 / 3	24.3	19.4	4.38	26.8	95% Student's-t UCL	26.8	UCL-P
	Cobalt	3 / 3	7.81	6.09	1.52	8.65	95% Student's-t UCL	8.65	UCL-P
	Iron	3 / 3	18200	15700	2160	19400	95% Student's-t UCL	19400	UCL-P
	Lead	3 / 3	82.3	46.1	31.8	99.7	95% Student's-t UCL	46.1	Mean
	RBA Adjusted Lead	3 / 3	75.5	40.7	30.3	91.9	95% Student's-t UCL	40.7	Mean
	Manganese	3 / 3	263	236	28.8	284	95% Student's-t UCL	284	UCL-P
Bossburg Flat - 2015 - SDU-08	Antimony	3 / 3	6.02	3.81	1.93	7.06	95% Student's-t UCL	7.06	UCL-P
	Arsenic	3 / 3	16.5	14.4	3.19	19.7	95% Student's-t UCL	19.7	UCL-P
	RBA Adjusted Arsenic	3 / 3	3.28	2.68	0.832	4.09	95% Student's-t UCL	4.09	UCL-P
	Chromium	3 / 3	34.5	25.8	7.59	38.6	95% Student's-t UCL	38.6	UCL-P
	Cobalt	3 / 3	10.5	8.13	2.12	11.7	95% Student's-t UCL	11.7	UCL-P
	Iron	3 / 3	32200	25200	6190	35600	95% Student's-t UCL	35600	UCL-P
	Lead	3 / 3	560	413	232	804	95% Student's-t UCL	413	Mean
	RBA Adjusted Lead	3 / 3	468	323	192	646	95% Student's-t UCL	323	Mean
	Manganese	3 / 3	415	341	65.1	451	95% Student's-t UCL	451	UCL-P
Evans Campground - 2015 - SDU-05	Antimony	3 / 3	2.49	2.3	0.175	2.6	95% Student's-t UCL	2.6	UCL-P
	Arsenic	3 / 3	13.6	11.8	1.57	14.5	95% Student's-t UCL	14.5	UCL-P
	RBA Adjusted Arsenic	3 / 3	2.68	2.35	0.306	2.86	95% Student's-t UCL	2.86	UCL-P
	Chromium	3 / 3	25.7	23.8	2.1	27.4	95% Student's-t UCL	27.4	UCL-P
	Cobalt	3 / 3	7.51	6.97	0.67	8.09	95% Student's-t UCL	8.09	UCL-P
	Iron	3 / 3	25300	24400	902	25900	95% Student's-t UCL	25900	UCL-P
	Lead	3 / 3	519	479	35	538	95% Student's-t UCL	479	Mean
	RBA Adjusted Lead	3 / 3	338	329	8.16	343	95% Student's-t UCL	329	Mean
	Manganese	3 / 3	331	293	47.8	374	95% Student's-t UCL	374	UCL-P
Evans Campground - 2015- SDU-06	Antimony	3 / 3	0.119	0.113	0.00542	0.122	95% Student's-t UCL	0.122	UCL-P
	Arsenic	3 / 3	4.98	3.17	1.58	5.83	95% Student's-t UCL	5.83	UCL-P
	RBA Adjusted Arsenic	3 / 3	1.22	0.659	0.483	1.47	95% Student's-t UCL	1.47	UCL-P
	Chromium	3 / 3	18	16.1	1.73	19	95% Student's-t UCL	19	UCL-P
	Cobalt	3 / 3	5.89	4.61	1.18	6.61	95% Student's-t UCL	6.61	UCL-P
	Iron	3 / 3	13100	12000	965	13600	95% Student's-t UCL	13600	UCL-P
	Lead	3 / 3	30.4	21.7	12.7	43.1	95% Student's-t UCL	21.7	Mean
	RBA Adjusted Lead	3 / 3	21.2	14.4	9.98	31.2	95% Student's-t UCL	14.4	Mean
	Manganese	3 / 3	230	146	74.3	271	95% Student's-t UCL	271	UCL-P

Table 3-19. Public Beach Subsurface Sediment EPCs

Beach/DU	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% UCL or Equivalent [a] (mg/kg)	UCL Statistic [a]	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [a]
Evans Campground - 2015 - SDU-07	Antimony	3 / 3	3.38	2.8	0.52	3.68	95% Student's-t UCL	3.68	UCL-P
	Arsenic	3 / 3	19	17.2	1.86	20.4	95% Student's-t UCL	20.4	UCL-P
	RBA Adjusted Arsenic	3 / 3	3.67	3.17	0.439	3.91	95% Student's-t UCL	3.91	UCL-P
	Chromium	3 / 3	28.8	27.3	1.84	30.5	95% Student's-t UCL	30.5	UCL-P
	Cobalt	3 / 3	8.33	8.15	0.168	8.43	95% Student's-t UCL	8.43	UCL-P
	Iron	3 / 3	26900	26300	967	27900	95% Student's-t UCL	27900	UCL-P
	Lead	3 / 3	614	563	46.3	642	95% Student's-t UCL	563	Mean
	RBA Adjusted Lead	3 / 3	468	404	56.2	499	95% Student's-t UCL	404	Mean
	Manganese	3 / 3	420	371	79.6	505	95% Student's-t UCL	505	UCL-P

N/A = Not Available UCL = Upper confidence limit; UCL-P = Parametric UCL

[a] 95UCLs/EPCs are based on recommendations from ProUCL, version 5.1.00 software (EPA, 2015d); includes non-detects treated per recommendations for each statistical method:
95% Student's t = UCL based on Student's t-distribution

Table 3-20. Residential Beach Surface Sediment EPCs

DU	SRC_DU_ID	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent[b] (mg/kg)	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale[b]
173	220	Antimony	3 / 3	5.17	5.1	0.0656	5.21	5.21	95% t-statistic UCL
		Arsenic	3 / 3	11.8	11.3	0.551	12.2	12.2	95% t-statistic UCL
		RBA Adjusted Arsenic	3 / 3	3.36	3.2	0.157	3.47	3.47	95% t-statistic UCL
		Chromium	3 / 3	14.4	13.8	0.794	15.1	15.1	95% t-statistic UCL
		Cobalt	3 / 3	4.99	4.84	0.245	5.26	5.26	95% t-statistic UCL
		Iron	3 / 3	26200	25300	902	26800	26800	95% t-statistic UCL
		Lead	3 / 3	331	322	14.2	346	322	Mean
		RBA Adjusted Lead	3 / 3	278	271	11.9	291	271	Mean
		Manganese	3 / 3	353	343	11.7	362	362	95% t-statistic UCL
		Thallium	3 / 3	0.264	0.254	0.0119	0.274	0.274	95% t-statistic UCL
195	65	Antimony	3 / 3	14.8	13.7	1.01	15.4	15.4	95% t-statistic UCL
		Arsenic	3 / 3	10.9	10.2	0.665	11.3	11.3	95% t-statistic UCL
		RBA Adjusted Arsenic	3 / 3	3.44	3.23	0.21	3.58	3.58	95% t-statistic UCL
		Chromium	3 / 3	25.7	25	0.874	26.4	26.4	95% t-statistic UCL
		Cobalt	3 / 3	9.73	9.4	0.291	9.89	9.89	95% t-statistic UCL
		Iron	3 / 3	29800	28700	954	30300	30300	95% t-statistic UCL
		Lead	3 / 3	197	190	7	202	190	Mean
		RBA Adjusted Lead	3 / 3	177	171	6.3	182	171	Mean
		Manganese	3 / 3	507	486	18.6	518	518	95% t-statistic UCL
		Thallium	3 / 3	0.244	0.235	0.00902	0.251	0.251	95% t-statistic UCL
197	81	Antimony	3 / 3	53.4	48.6	4.28	55.8	55.8	95% t-statistic UCL
		Arsenic	3 / 3	25.4	20.5	4.67	28.4	28.4	95% t-statistic UCL
		RBA Adjusted Arsenic	3 / 3	8.31	6.72	1.53	9.29	9.29	95% t-statistic UCL
		Chromium	3 / 3	29.4	27.8	1.65	30.5	30.5	95% t-statistic UCL
		Cobalt	3 / 3	11.9	11.1	0.751	12.4	12.4	95% t-statistic UCL
		Iron	3 / 3	41300	39300	2780	44000	44000	95% t-statistic UCL
		Lead	3 / 3	372	311	88.1	460	311	Mean
		RBA Adjusted Lead	3 / 3	379	317	89.9	469	317	Mean
		Manganese	3 / 3	652	605	58.7	704	704	95% t-statistic UCL
		Thallium	3 / 3	0.11	0.095	0.0137	0.118	0.118	95% t-statistic UCL

Table 3-20. Residential Beach Surface Sediment EPCs

DU	SRC_DU_ID	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent[b] (mg/kg)	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale[b]
202	5	Antimony	3 / 3	4.03	3.21	0.717	4.42	4.42	95% t-statistic UCL
		Arsenic	3 / 3	6.9	6.76	0.129	6.97	6.97	95% t-statistic UCL
		RBA Adjusted Arsenic	3 / 3	2.1	2.05	0.0392	2.12	2.12	95% t-statistic UCL
		Chromium	3 / 3	13.5	13.1	0.635	14.2	14.2	95% t-statistic UCL
		Cobalt	3 / 3	4.75	4.51	0.294	5	5	95% t-statistic UCL
		Iron	3 / 3	17400	16900	611	17900	17900	95% t-statistic UCL
		Lead	3 / 3	184	180	4.04	187	180	Mean
		RBA Adjusted Lead	3 / 3	198	194	4.35	201	194	Mean
		Manganese	3 / 3	242	239	4.93	247	247	95% t-statistic UCL
		Thallium	3 / 3	0.186	0.179	0.00702	0.191	0.191	95% t-statistic UCL
204	37	Antimony	3 / 3	2.52	2.35	0.17	2.64	2.64	95% t-statistic UCL
		Arsenic	3 / 3	4.96	4.6	0.346	5.18	5.18	95% t-statistic UCL
		RBA Adjusted Arsenic	3 / 3	1.76	1.63	0.123	1.83	1.83	95% t-statistic UCL
		Chromium	3 / 3	10.8	10.6	0.2	10.9	10.9	95% t-statistic UCL
		Cobalt	3 / 3	3.58	3.49	0.0757	3.62	3.62	95% t-statistic UCL
		Iron	3 / 3	13200	13100	115	13300	13300	95% t-statistic UCL
		Lead	3 / 3	108	104	6.43	115	104	Mean
		RBA Adjusted Lead	3 / 3	123	119	7.35	131	119	Mean
		Manganese	3 / 3	174	171	4.93	179	179	95% t-statistic UCL
		Thallium	3 / 3	0.123	0.118	0.00924	0.133	0.133	95% t-statistic UCL
224	88	Antimony	3 / 3	3.66	3.42	0.297	3.92	3.92	95% t-statistic UCL
		Arsenic	3 / 3	8.25	8.22	0.0265	8.26	8.26	95% t-statistic UCL
		RBA Adjusted Arsenic	3 / 3	3.25	3.24	0.0104	3.26	3.26	95% t-statistic UCL
		Chromium	3 / 3	16.6	16	0.569	16.9	16.9	95% t-statistic UCL
		Cobalt	3 / 3	5.54	5.43	0.101	5.6	5.6	95% t-statistic UCL
		Iron	3 / 3	20000	19800	265	20200	20200	95% t-statistic UCL
		Lead	3 / 3	263	256	7.51	268	256	Mean
		RBA Adjusted Lead	3 / 3	263	256	7.5	268	256	Mean
		Manganese	3 / 3	304	300	4.04	307	307	95% t-statistic UCL
		Thallium	3 / 3	0.244	0.239	0.00503	0.247	0.247	95% t-statistic UCL

Table 3-20. Residential Beach Surface Sediment EPCs

DU	SRC_DU_ID	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [b]
226	132	Antimony	3 / 3	8.28	5.26	3.09	10.5	10.5	95% t-statistic UCL
		Arsenic	3 / 3	10.9	8.98	1.67	11.8	11.8	95% t-statistic UCL
		RBA Adjusted Arsenic	3 / 3	3.27	2.69	0.5	3.54	3.54	95% t-statistic UCL
		Chromium	3 / 3	18.5	17.1	1.21	19.2	19.2	95% t-statistic UCL
		Cobalt	3 / 3	6.32	5.99	0.33	6.55	6.55	95% t-statistic UCL
		Iron	3 / 3	23900	21000	2510	25300	25300	95% t-statistic UCL
		Lead	3 / 3	226	180	40	247	180	Mean
		RBA Adjusted Lead	3 / 3	214	171	37.9	235	171	Mean
		Manganese	3 / 3	343	318	21.5	355	355	95% t-statistic UCL
		Thallium	3 / 3	0.207	0.183	0.023	0.222	0.222	95% t-statistic UCL
255	41	Antimony	3 / 3	8.67	6.98	1.72	9.88	9.88	95% t-statistic UCL
		Arsenic	3 / 3	14.9	14.1	0.854	15.5	15.5	95% t-statistic UCL
		RBA Adjusted Arsenic	3 / 3	4.15	3.93	0.238	4.33	4.33	95% t-statistic UCL
		Chromium	3 / 3	22.3	20.8	1.37	23.1	23.1	95% t-statistic UCL
		Cobalt	3 / 3	7.1	6.58	0.457	7.35	7.35	95% t-statistic UCL
		Iron	3 / 3	31300	29900	1250	32000	32000	95% t-statistic UCL
		Lead	3 / 3	292	286	6.03	296	286	Mean
		RBA Adjusted Lead	3 / 3	272	266	5.61	275	266	Mean
		Manganese	3 / 3	441	431	11.1	449	449	95% t-statistic UCL
		Thallium	3 / 3	0.308	0.273	0.0313	0.326	0.326	95% t-statistic UCL
303	171	Antimony	3 / 3	6.12	3.51	2.26	7.32	7.32	95% t-statistic UCL
		Arsenic	3 / 3	12.2	10.4	2.62	14.8	14.8	95% t-statistic UCL
		RBA Adjusted Arsenic	3 / 3	3.37	2.87	0.725	4.1	4.1	95% t-statistic UCL
		Chromium	3 / 3	18.3	17.6	0.651	18.7	18.7	95% t-statistic UCL
		Cobalt	3 / 3	6.24	5.9	0.335	6.47	6.47	95% t-statistic UCL
		Iron	3 / 3	24700	22800	2810	27600	27600	95% t-statistic UCL
		Lead	3 / 3	271	232	56.4	327	232	Mean
		RBA Adjusted Lead	3 / 3	208	178	43.4	251	178	Mean
		Manganese	3 / 3	365	346	29.3	395	395	95% t-statistic UCL
		Thallium	3 / 3	0.225	0.21	0.0141	0.234	0.234	95% t-statistic UCL

Table 3-20. Residential Beach Surface Sediment EPCs

DU	SRC_DU_ID	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent[b] (mg/kg)	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale[b]
324	89	Antimony	3 / 3	3.04	2.34	0.603	3.36	3.36	95% t-statistic UCL
		Arsenic	3 / 3	9.2	8.81	0.583	9.79	9.79	95% t-statistic UCL
		RBA Adjusted Arsenic	3 / 3	2.99	2.86	0.189	3.18	3.18	95% t-statistic UCL
		Chromium	3 / 3	15	14.3	0.643	15.4	15.4	95% t-statistic UCL
		Cobalt	3 / 3	5.44	5.26	0.191	5.58	5.58	95% t-statistic UCL
		Iron	3 / 3	16800	16400	351	17000	17000	95% t-statistic UCL
		Lead	3 / 3	120	119	2.31	123	119	Mean
		RBA Adjusted Lead	3 / 3	131	130	2.53	134	130	Mean
		Manganese	3 / 3	314	295	19	327	327	95% t-statistic UCL
		Thallium	3 / 3	0.221	0.214	0.00635	0.224	0.224	95% t-statistic UCL
1000	229	Antimony	3 / 3	10.3	8.78	1.5	11.3	11.3	95% t-statistic UCL
		Arsenic	3 / 3	19.6	14.5	4.42	22	22	95% t-statistic UCL
		RBA Adjusted Arsenic	3 / 3	5.01	3.71	1.13	5.61	5.61	95% t-statistic UCL
		Chromium	3 / 3	18	17.1	0.95	18.7	18.7	95% t-statistic UCL
		Cobalt	3 / 3	5.44	5.3	0.169	5.58	5.58	95% t-statistic UCL
		Iron	3 / 3	30600	28700	1630	31500	31500	95% t-statistic UCL
		Lead	3 / 3	287	282	7.81	295	282	Mean
		RBA Adjusted Lead	3 / 3	246	242	6.7	253	242	Mean
		Manganese	3 / 3	391	383	7	395	395	95% t-statistic UCL
		Thallium	3 / 3	0.204	0.195	0.00757	0.208	0.208	95% t-statistic UCL
075-B1	237	Antimony	1 / 1	11.5	11.5	N/A	13.8	13.8	Result*CF
		Arsenic	1 / 1	7.28	7.28	N/A	8.74	8.74	Result*CF
		RBA Adjusted Arsenic	1 / 1	1.54	1.54	N/A	1.85	1.85	Result*CF
		Chromium	3 / 3	18.3	18.3	N/A	22	22	95% t-statistic UCL
		Cobalt	1 / 1	6.86	6.86	N/A	8.23	8.23	Result*CF
		Iron	1 / 1	22500	22500	N/A	27000	27000	Result*CF
		Lead	1 / 1	118	118	N/A	142	118	Mean
		RBA Adjusted Lead	1 / 1	98.7	98.7	N/A	118	98.7	Mean
		Manganese	1 / 1	372	372	N/A	446	446	Result*CF
		Thallium	1 / 1	0.172	0.172	N/A	0.206	0.206	Result*CF

Table 3-20. Residential Beach Surface Sediment EPCs

DU	SRC_DU_ID	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [b]
098-B1	307	Antimony	1 / 1	1.63	1.63	N/A	1.96	1.96	Result*CF
		Arsenic	1 / 1	8.92	8.92	N/A	10.7	10.7	Result*CF
		RBA Adjusted Arsenic	1 / 1	1.89	1.89	N/A	2.27	2.27	Result*CF
		Chromium	3 / 3	17.8	17.8	N/A	21.4	21.4	95% t-statistic UCL
		Cobalt	1 / 1	5.26	5.26	N/A	6.31	6.31	Result*CF
		Iron	1 / 1	17900	17900	N/A	21500	21500	Result*CF
		Lead	1 / 1	89.7	89.7	N/A	108	89.7	Mean
		RBA Adjusted Lead	1 / 1	75	75	N/A	90	75	Mean
		Manganese	1 / 1	859	859	N/A	1030	1030	Result*CF
		Thallium	1 / 1	0.19	0.19	N/A	0.228	0.228	Result*CF
124-B1	387	Antimony	1 / 1	2.93	2.93	N/A	3.52	3.52	Result*CF
		Arsenic	1 / 1	8.03	8.03	N/A	9.64	9.64	Result*CF
		RBA Adjusted Arsenic	1 / 1	1.7	1.7	N/A	2.04	2.04	Result*CF
		Chromium	3 / 3	17.5	17.5	N/A	21	21	95% t-statistic UCL
		Cobalt	1 / 1	5.44	5.44	N/A	6.53	6.53	Result*CF
		Iron	1 / 1	24000	24000	N/A	28800	28800	Result*CF
		Lead	1 / 1	218	218	N/A	262	218	Mean
		RBA Adjusted Lead	1 / 1	182	182	N/A	219	182	Mean
		Manganese	1 / 1	331	331	N/A	397	397	Result*CF
		Thallium	1 / 1	0.303	0.303	N/A	0.364	0.364	Result*CF
131-B1	419	Antimony	3 / 3	3.98	3.76	0.192	4.08	4.08	95% t-statistic UCL
		Arsenic	3 / 3	9.01	8.2	0.81	9.57	9.57	95% t-statistic UCL
		RBA Adjusted Arsenic	3 / 3	1.78	1.62	0.16	1.89	1.89	95% t-statistic UCL
		Chromium	3 / 3	17.2	16.1	1.21	18.1	18.1	95% t-statistic UCL
		Cobalt	3 / 3	5.43	5.15	0.343	5.73	5.73	95% t-statistic UCL
		Iron	3 / 3	29000	28900	153	29100	29100	95% t-statistic UCL
		Lead	3 / 3	239	230	12.1	250	230	Mean
		RBA Adjusted Lead	3 / 3	186	179	9.42	195	179	Mean
		Manganese	3 / 3	460	453	6.11	464	464	95% t-statistic UCL
		Thallium	3 / 3	0.219	0.194	0.0225	0.232	0.232	95% t-statistic UCL

Table 3-20. Residential Beach Surface Sediment EPCs

DU	SRC_DU_ID	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent[b] (mg/kg)	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale[b]
157-B1	505	Antimony	1 / 1	4.6	4.6	N/A	5.52	5.52	Result*CF
		Arsenic	1 / 1	8.47	8.47	N/A	10.2	10.2	Result*CF
		RBA Adjusted Arsenic	1 / 1	1.79	1.79	N/A	2.15	2.15	Result*CF
		Chromium	3 / 3	21.4	21.4	N/A	25.7	25.7	95% t-statistic UCL
		Cobalt	1 / 1	7.17	7.17	N/A	8.6	8.6	Result*CF
		Iron	1 / 1	27800	27800	N/A	33400	33400	Result*CF
		Lead	1 / 1	189	189	N/A	227	189	Mean
		RBA Adjusted Lead	1 / 1	158	158	N/A	190	158	Mean
		Manganese	1 / 1	384	384	N/A	461	461	Result*CF
		Thallium	1 / 1	0.297	0.297	N/A	0.356	0.356	Result*CF
157-B2	506	Antimony	1 / 1	3.11	3.11	N/A	3.73	3.73	Result*CF
		Arsenic	1 / 1	10.1	10.1	N/A	12.1	12.1	Result*CF
		RBA Adjusted Arsenic	1 / 1	1.27	1.27	N/A	1.52	1.52	Result*CF
		Chromium	3 / 3	19.7	19.7	N/A	23.6	23.6	95% t-statistic UCL
		Cobalt	1 / 1	6.86	6.86	N/A	8.23	8.23	Result*CF
		Iron	1 / 1	25300	25300	N/A	30400	30400	Result*CF
		Lead	1 / 1	251	251	N/A	301	251	Mean
		RBA Adjusted Lead	1 / 1	167	167	N/A	200	167	Mean
		Manganese	1 / 1	282	282	N/A	338	338	Result*CF
		Thallium	1 / 1	0.386	0.386	N/A	0.463	0.463	Result*CF
171-B1	554	Antimony	3 / 3	1	0.811	0.17	1.1	1.1	95% t-statistic UCL
		Arsenic	3 / 3	4.03	4	0.0436	4.07	4.07	95% t-statistic UCL
		RBA Adjusted Arsenic	3 / 3	0.853	0.847	0.00923	0.862	0.862	95% t-statistic UCL
		Chromium	3 / 3	14.4	14.2	0.2	14.5	14.5	95% t-statistic UCL
		Cobalt	3 / 3	4.35	4.31	0.0404	4.38	4.38	95% t-statistic UCL
		Iron	3 / 3	17000	16500	436	17200	17200	95% t-statistic UCL
		Lead	3 / 3	108	96.2	10.3	113	96.2	Mean
		RBA Adjusted Lead	3 / 3	90.4	80.5	8.59	94.9	80.5	Mean
		Manganese	3 / 3	206	198	7.23	210	210	95% t-statistic UCL
		Thallium	3 / 3	0.168	0.164	0.00666	0.175	0.175	95% t-statistic UCL

Table 3-20. Residential Beach Surface Sediment EPCs

DU	SRC_DU_ID	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [b]
226A	133	Antimony	3 / 3	5.44	4.52	0.805	5.87	5.87	95% t-statistic UCL
		Arsenic	3 / 3	11.1	11	0.1	11.2	11.2	95% t-statistic UCL
		RBA Adjusted Arsenic	3 / 3	2.59	2.56	0.0233	2.6	2.6	95% t-statistic UCL
		Chromium	3 / 3	18.2	17.7	0.416	18.4	18.4	95% t-statistic UCL
		Cobalt	3 / 3	6.11	6.01	0.095	6.17	6.17	95% t-statistic UCL
		Iron	3 / 3	25100	24200	777	25500	25500	95% t-statistic UCL
		Lead	3 / 3	336	321	14.6	345	321	Mean
		RBA Adjusted Lead	3 / 3	299	285	13	307	285	Mean
		Manganese	3 / 3	334	325	12.1	345	345	95% t-statistic UCL
		Thallium	3 / 3	0.267	0.26	0.00808	0.273	0.273	95% t-statistic UCL
251B	38	Antimony	3 / 3	5.93	4.4	1.71	7.27	7.27	95% t-statistic UCL
		Arsenic	3 / 3	10.6	10.3	0.356	10.9	10.9	95% t-statistic UCL
		RBA Adjusted Arsenic	3 / 3	2.94	2.85	0.0988	3.01	3.01	95% t-statistic UCL
		Chromium	3 / 3	19.3	18	1.35	20.2	20.2	95% t-statistic UCL
		Cobalt	3 / 3	6.09	5.73	0.309	6.25	6.25	95% t-statistic UCL
		Iron	3 / 3	25100	24200	1010	25900	25900	95% t-statistic UCL
		Lead	3 / 3	298	272	24.6	314	272	Mean
		RBA Adjusted Lead	3 / 3	270	246	22.3	284	246	Mean
		Manganese	3 / 3	335	326	8.33	340	340	95% t-statistic UCL
		Thallium	3 / 3	0.24	0.231	0.00808	0.245	0.245	95% t-statistic UCL
800B	34	Antimony	3 / 3	4.94	4.29	0.566	5.24	5.24	95% t-statistic UCL
		Arsenic	3 / 3	9.13	8.74	0.442	9.49	9.49	95% t-statistic UCL
		RBA Adjusted Arsenic	3 / 3	3.16	3.02	0.153	3.28	3.28	95% t-statistic UCL
		Chromium	3 / 3	21.5	21.4	0.1	21.6	21.6	95% t-statistic UCL
		Cobalt	3 / 3	6.35	6.26	0.115	6.45	6.45	95% t-statistic UCL
		Iron	3 / 3	27300	26400	1420	28800	28800	95% t-statistic UCL
		Lead	3 / 3	207	200	8.08	213	200	Mean
		RBA Adjusted Lead	3 / 3	198	191	7.74	204	191	Mean
		Manganese	3 / 3	356	341	25.4	384	384	95% t-statistic UCL
		Thallium	3 / 3	0.263	0.259	0.00404	0.265	0.265	95% t-statistic UCL

Table 3-20. Residential Beach Surface Sediment EPCs

DU	SRC_DU_ID	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [b]

N/A = Not Available UCL = Upper confidence limit; UCL-P = Parametric UCL

[a]Field replicates treated as individual samples.

[b]T-statistic 95UCL = mean concentration across replicates + (2.92 * standard deviation / √(3)). EPCs from a single incremental composite sample (ICS) when ≥3 ICS composite samples were not available for estimating the 95UCL were estimated by applying a Site-specific confidence factor (CF; 1.2) to the soil concentration measured in the single ICS composite sample (See Appendix 12).

Table 3-21. Relict Floodplain EPCs

Relict Floodplain	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% UCL or Equivalent [a] (mg/kg)	UCL Statistic [a]	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [a]
RFA-001	Arsenic	3 / 3	22.2	21.4	0.737	22.6	95% Student's-t UCL	22.6	UCL-P
	RBA Adjusted Arsenic	3 / 3	3.37	3.24	0.123	3.44	95% Student's-t UCL	3.44	UCL-P
	Chromium	3 / 3	21.7	20.5	1.11	22.4	95% Student's-t UCL	22.4	UCL-P
	Lead	3 / 3	492	468	20.7	503	95% Student's-t UCL	468	Mean
	RBA Adjusted Lead	3 / 3	424	414	14.8	439	95% Student's-t UCL	414	Mean
RFA-002	Arsenic	1 / 1	10.9	10.9	N/A	13.1	Result*CF	13.1	Result*CF
	RBA Adjusted Arsenic	1 / 1	2.15	2.15	N/A	2.58	Result*CF	2.58	Result*CF
	Chromium	1 / 1	15.2	15.2	N/A	18.2	Result*CF	18.2	Result*CF
	Lead	1 / 1	295	295	N/A	354	Result*CF	295	Mean
	RBA Adjusted Lead	1 / 1	246	246	N/A	295	Result*CF	246	Mean
RFA-003	Arsenic	1 / 1	17.8	17.8	N/A	21.4	Result*CF	21.4	Result*CF
	RBA Adjusted Arsenic	1 / 1	3.51	3.51	N/A	4.21	Result*CF	4.21	Result*CF
	Chromium	1 / 1	18.9	18.9	N/A	22.7	Result*CF	22.7	Result*CF
	Lead	1 / 1	466	466	N/A	559	Result*CF	466	Mean
	RBA Adjusted Lead	1 / 1	388	388	N/A	465	Result*CF	388	Mean
RFA-004	Arsenic	1 / 1	15.1	15.1	N/A	18.1	Result*CF	18.1	Result*CF
	RBA Adjusted Arsenic	1 / 1	2.97	2.97	N/A	3.57	Result*CF	3.57	Result*CF
	Chromium	1 / 1	17.9	17.9	N/A	21.5	Result*CF	21.5	Result*CF
	Lead	1 / 1	348	348	N/A	418	Result*CF	348	Mean
	RBA Adjusted Lead	1 / 1	290	290	N/A	348	Result*CF	290	Mean
RFA-005	Arsenic	1 / 1	13.7	13.7	N/A	16.4	Result*CF	16.4	Result*CF
	RBA Adjusted Arsenic	1 / 1	2.65	2.65	N/A	3.18	Result*CF	3.18	Result*CF
	Chromium	1 / 1	17.9	17.9	N/A	21.5	Result*CF	21.5	Result*CF
	Lead	1 / 1	362	362	N/A	434	Result*CF	362	Mean
	RBA Adjusted Lead	1 / 1	308	308	N/A	369	Result*CF	308	Mean
RFB-002	Arsenic	1 / 1	12.5	12.5	N/A	15	Result*CF	15	Result*CF
	RBA Adjusted Arsenic	1 / 1	2.46	2.46	N/A	2.95	Result*CF	2.95	Result*CF
	Chromium	1 / 1	32.4	32.4	N/A	38.9	Result*CF	38.9	Result*CF
	Lead	1 / 1	191	191	N/A	229	Result*CF	191	Mean
	RBA Adjusted Lead	1 / 1	159	159	N/A	191	Result*CF	159	Mean

Table 3-21. Relict Floodplain EPCs

Relict Floodplain	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% UCL or Equivalent [a] (mg/kg)	UCL Statistic [a]	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [a]
RFB-003	Arsenic	3 / 3	11	9.28	1.65	12.1	95% Student's-t UCL	12.1	UCL-P
	RBA Adjusted Arsenic	3 / 3	2.17	1.83	0.324	2.37	95% Student's-t UCL	2.37	UCL-P
	Chromium	3 / 3	25.2	24.3	0.757	25.6	95% Student's-t UCL	25.6	UCL-P
	Lead	3 / 3	187	128	51.9	215	95% Student's-t UCL	128	Mean
	RBA Adjusted Lead	3 / 3	156	106	43.2	179	95% Student's-t UCL	106	Mean
RFB-008	Arsenic	1 / 1	6.4	6.4	N/A	7.68	Result*CF	7.68	Result*CF
	RBA Adjusted Arsenic	1 / 1	1.26	1.26	N/A	1.51	Result*CF	1.51	Result*CF
	Chromium	1 / 1	19.6	19.6	N/A	23.5	Result*CF	23.5	Result*CF
	Lead	1 / 1	71.8	71.8	N/A	86.2	Result*CF	71.8	Mean
	RBA Adjusted Lead	1 / 1	59.8	59.8	N/A	71.7	Result*CF	59.8	Mean
RFC-003	Arsenic	1 / 1	24.2	24.2	N/A	29	Result*CF	29	Result*CF
	RBA Adjusted Arsenic	1 / 1	4.77	4.77	N/A	5.72	Result*CF	5.72	Result*CF
	Chromium	1 / 1	20.9	20.9	N/A	25.1	Result*CF	25.1	Result*CF
	Lead	1 / 1	474	474	N/A	569	Result*CF	474	Mean
	RBA Adjusted Lead	1 / 1	395	395	N/A	473	Result*CF	395	Mean
RFC-004	Arsenic	1 / 1	14.2	14.2	N/A	17	Result*CF	17	Result*CF
	RBA Adjusted Arsenic	1 / 1	2.8	2.8	N/A	3.36	Result*CF	3.36	Result*CF
	Chromium	1 / 1	22	22	N/A	26.4	Result*CF	26.4	Result*CF
	Lead	1 / 1	239	239	N/A	287	Result*CF	239	Mean
	RBA Adjusted Lead	1 / 1	199	199	N/A	239	Result*CF	199	Mean
RFC-005	Arsenic	3 / 3	28.4	27.2	1.59	29.9	95% Student's-t UCL	29.9	UCL-P
	RBA Adjusted Arsenic	3 / 3	5.59	5.36	0.313	5.88	95% Student's-t UCL	5.88	UCL-P
	Chromium	3 / 3	25.1	24.6	0.458	25.4	95% Student's-t UCL	25.4	UCL-P
	Lead	3 / 3	590	565	36.4	626	95% Student's-t UCL	565	Mean
	RBA Adjusted Lead	3 / 3	491	470	30.3	521	95% Student's-t UCL	470	Mean
RFC-006	Arsenic	1 / 1	24.1	24.1	N/A	28.9	Result*CF	28.9	Result*CF
	RBA Adjusted Arsenic	1 / 1	4.75	4.75	N/A	5.7	Result*CF	5.7	Result*CF
	Chromium	1 / 1	25.4	25.4	N/A	30.5	Result*CF	30.5	Result*CF
	Lead	1 / 1	412	412	N/A	494	Result*CF	412	Mean
	RBA Adjusted Lead	1 / 1	343	343	N/A	411	Result*CF	343	Mean

Table 3-21. Relict Floodplain EPCs

Relict Floodplain	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% UCL or Equivalent [a] (mg/kg)	UCL Statistic [a]	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [a]
RFC-007	Arsenic	1 / 1	15	15	N/A	18	Result*CF	18	Result*CF
	RBA Adjusted Arsenic	1 / 1	2.95	2.95	N/A	3.54	Result*CF	3.54	Result*CF
	Chromium	1 / 1	23.6	23.6	N/A	28.3	Result*CF	28.3	Result*CF
	Lead	1 / 1	435	435	N/A	522	Result*CF	435	Mean
	RBA Adjusted Lead	1 / 1	362	362	N/A	435	Result*CF	362	Mean
RFC-008	Arsenic	1 / 1	20.4	20.4	N/A	24.5	Result*CF	24.5	Result*CF
	RBA Adjusted Arsenic	1 / 1	4.02	4.02	N/A	4.82	Result*CF	4.82	Result*CF
	Chromium	1 / 1	22.5	22.5	N/A	27	Result*CF	27	Result*CF
	Lead	1 / 1	407	407	N/A	488	Result*CF	407	Mean
	RBA Adjusted Lead	1 / 1	339	339	N/A	406	Result*CF	339	Mean
RFD-002	Arsenic	1 / 1	16.1	16.1	N/A	19.3	Result*CF	19.3	Result*CF
	RBA Adjusted Arsenic	1 / 1	3.96	3.96	N/A	4.75	Result*CF	4.75	Result*CF
	Chromium	1 / 1	14	14	N/A	16.8	Result*CF	16.8	Result*CF
	Lead	1 / 1	413	413	N/A	496	Result*CF	413	Mean
	RBA Adjusted Lead	1 / 1	314	314	N/A	377	Result*CF	314	Mean
RFD-003	Arsenic	3 / 3	21	18.4	3.09	23.7	95% Student's-t UCL	23.7	UCL-P
	RBA Adjusted Arsenic	3 / 3	4.14	3.63	0.609	4.66	95% Student's-t UCL	4.66	UCL-P
	Chromium	3 / 3	18.2	17.3	0.794	18.6	95% Student's-t UCL	18.6	UCL-P
	Lead	3 / 3	401	369	34.9	428	95% Student's-t UCL	369	Mean
	RBA Adjusted Lead	3 / 3	334	307	29	356	95% Student's-t UCL	307	Mean

N/A = Not Available UCL = Upper confidence limit; UCL-P = Parametric UCL

[a] For relict floodplains with only a singe incremental composite (IC) sample, EPCs were estimated by applying a site-specific confidence factor (CF; 1.2) to the concentration measured in the single ICS composite sample (See Appendix 12). All other relict floodplains are based on recommendations from ProUCL, version 5.1.00 software (EPA, 2015d); includes non-detects treated per recommendations for each statistical method:

95% Student's t = UCL based on Student's t-distribution

Table 3-22. Public Beach (Bossburg Flat Beach) Surface Soil EPCs

DU	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% UCL or Equivalent [a] (mg/kg)	UCL Statistic [a]	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [a]
UDU-01	Arsenic	1 / 1	12.3	12.3	N/A	14.8	Result*CF	14.8	Result*CF
	RBA Adjusted Arsenic	1 / 1	2.26	2.26	N/A	2.72	Result*CF	2.72	Result*CF
	Chromium	1 / 1	19.8	19.8	N/A	23.8	Result*CF	23.8	Result*CF
	Lead	1 / 1	358	358	N/A	430	Result*CF	358	Mean
	RBA Adjusted Lead	1 / 1	365	365	N/A	438	Result*CF	365	Mean
UDU-02	Arsenic	1 / 1	9.87	9.87	N/A	11.8	Result*CF	11.8	Result*CF
	RBA Adjusted Arsenic	1 / 1	1.75	1.75	N/A	2.1	Result*CF	2.1	Result*CF
	Chromium	1 / 1	19	19	N/A	22.8	Result*CF	22.8	Result*CF
	Lead	1 / 1	543	543	N/A	652	Result*CF	543	Mean
	RBA Adjusted Lead	1 / 1	512	512	N/A	614	Result*CF	512	Mean
UDU-03	Arsenic	1 / 1	8.31	8.31	N/A	9.97	Result*CF	9.97	Result*CF
	RBA Adjusted Arsenic	1 / 1	1.58	1.58	N/A	1.9	Result*CF	1.9	Result*CF
	Chromium	1 / 1	19.2	19.2	N/A	23	Result*CF	23	Result*CF
	Lead	1 / 1	358	358	N/A	430	Result*CF	358	Mean
	RBA Adjusted Lead	1 / 1	307	307	N/A	368	Result*CF	307	Mean
UDU-04	Arsenic	3 / 3	13.6	11.2	2.29	15.1	95% Student's-t UCL	15.1	UCL-P
	RBA Adjusted Arsenic	3 / 3	2.75	2.43	0.282	2.91	95% Student's-t UCL	2.91	UCL-P
	Chromium	3 / 3	18.5	17.5	1.65	20.3	95% Student's-t UCL	20.3	UCL-P
	Lead	3 / 3	3770	2570	1200	4590	95% Student's-t UCL	2570	Mean
	RBA Adjusted Lead	3 / 3	3470	2680	1240	4760	95% Student's-t UCL	2680	Mean
UDU-05	Arsenic	1 / 1	7.98	7.98	N/A	9.58	Result*CF	9.58	Result*CF
	RBA Adjusted Arsenic	1 / 1	1.82	1.82	N/A	2.19	Result*CF	2.19	Result*CF
	Chromium	1 / 1	24.5	24.5	N/A	29.4	Result*CF	29.4	Result*CF
	Lead	1 / 1	83	83	N/A	99.6	Result*CF	83	Mean
	RBA Adjusted Lead	1 / 1	79.5	79.5	N/A	95.3	Result*CF	79.5	Mean
UDU-06	Arsenic	1 / 1	11.6	11.6	N/A	13.9	Result*CF	13.9	Result*CF
	RBA Adjusted Arsenic	1 / 1	2.78	2.78	N/A	3.33	Result*CF	3.33	Result*CF
	Chromium	1 / 1	24.2	24.2	N/A	29	Result*CF	29	Result*CF
	Lead	1 / 1	43.3	43.3	N/A	52	Result*CF	43.3	Mean
	RBA Adjusted Lead	1 / 1	35.3	35.3	N/A	42.4	Result*CF	35.3	Mean

N/A = Not Available UCL = Upper confidence limit; UCL-P = Parametric UCL

[a] For DUs with only a singe incremental composite (IC) sample, EPCs were estimated by applying a site-specific confidence factor (CF; 1.2) to the beach soil concentration measured in the single ICS composite sample (See Appendix 12). All other DUs are based on recommendations from ProUCL, version 5.1.00 software (EPA, 2015d); includes non-detects treated per recommendations for each statistical method:

95% Student's t = UCL based on Student's t-distribution

Table 3-23. Public Beach (Bossburg Flat Beach) Subsurface Soil EPCs

DU	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% UCL or Equivalent [a] (mg/kg)	UCL Statistic [a]	Selected EPC for both RME and CTE Risks	
								Value (mg/kg)	Rationale [a]
UDU-01	Arsenic	3 / 3	14.4	8.84	4.87	17.1	95% Student's-t UCL	17.1	UCL-P
	RBA Adjusted Arsenic	3 / 3	3.67	1.9	1.53	4.49	95% Student's-t UCL	4.49	UCL-P
	Chromium	3 / 3	23.7	20.2	3.03	25.3	95% Student's-t UCL	25.3	UCL-P
	Lead	3 / 3	1360	512	735	1750	95% Student's-t UCL	512	Mean
	RBA Adjusted Lead	3 / 3	1520	563	832	1970	95% Student's-t UCL	563	Mean
UDU-02	Arsenic	3 / 3	5.71	5.48	0.248	5.9	95% Student's-t UCL	5.9	UCL-P
	RBA Adjusted Arsenic	3 / 3	1.1	0.947	0.147	1.2	95% Student's-t UCL	1.2	UCL-P
	Chromium	3 / 3	18.7	17.9	0.706	19.1	95% Student's-t UCL	19.1	UCL-P
	Lead	3 / 3	176	117	61.6	221	95% Student's-t UCL	117	Mean
	RBA Adjusted Lead	3 / 3	205	124	79.2	258	95% Student's-t UCL	124	Mean
UDU-03	Arsenic	3 / 3	9.15	7.5	1.56	10.1	95% Student's-t UCL	10.1	UCL-P
	RBA Adjusted Arsenic	3 / 3	1.63	1.36	0.297	1.86	95% Student's-t UCL	1.86	UCL-P
	Chromium	3 / 3	22	20.1	2.26	23.9	95% Student's-t UCL	23.9	UCL-P
	Lead	3 / 3	325	256	94.9	416	95% Student's-t UCL	256	Mean
	RBA Adjusted Lead	3 / 3	339	266	103	439	95% Student's-t UCL	266	Mean
UDU-04	Arsenic	3 / 3	26.6	14.3	10.8	32.6	95% Student's-t UCL	32.6	UCL-P
	RBA Adjusted Arsenic	3 / 3	9.92	4.21	4.96	12.6	95% Student's-t UCL	12.6	UCL-P
	Chromium	3 / 3	29.9	21	8.03	34.5	95% Student's-t UCL	34.5	UCL-P
	Lead	3 / 3	472	459	22.8	497	95% Student's-t UCL	459	Mean
	RBA Adjusted Lead	3 / 3	524	509	13.6	532	95% Student's-t UCL	509	Mean
UDU-05	Arsenic	3 / 3	9.26	7.91	1.59	10.6	95% Student's-t UCL	10.6	UCL-P
	RBA Adjusted Arsenic	3 / 3	2.06	1.58	0.421	2.29	95% Student's-t UCL	2.29	UCL-P
	Chromium	3 / 3	47.3	37.3	15.3	63	95% Student's-t UCL	63	UCL-P
	Lead	3 / 3	200	85	99.8	253	95% Student's-t UCL	85	Mean
	RBA Adjusted Lead	3 / 3	180	70.1	95.4	231	95% Student's-t UCL	70.1	Mean
UDU-06	Arsenic	3 / 3	9.94	9.09	1.13	11	95% Student's-t UCL	11	UCL-P
	RBA Adjusted Arsenic	3 / 3	2.55	2.09	0.418	2.8	95% Student's-t UCL	2.8	UCL-P
	Chromium	3 / 3	29.8	24.6	7.48	37.2	95% Student's-t UCL	37.2	UCL-P
	Lead	3 / 3	54.9	45.7	8.32	59.8	95% Student's-t UCL	45.7	Mean
	RBA Adjusted Lead	3 / 3	40.1	33.3	6.13	43.6	95% Student's-t UCL	33.3	Mean

N/A = Not Available UCL = Upper confidence limit; UCL-P = Parametric UCL

[a] 95UCLs/EPCs are based on recommendations from ProUCL, version 5.1.00 software (EPA, 2015d); includes non-detects treated per recommendations for each statistical method
95% Student's t = UCL based on Student's t-distribution

Table 3-24. Outdoor and Indoor Air EPCs

Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration ($\mu g/m^3$)	Arithmetic Mean Detected Concentration ($\mu g/m^3$)	Standard Deviation ($\mu g/m^3$)	95% UCL[a] ($\mu g/m^3$)	UCL Statistic[a]	Selected Exposure Point Concentration		
							Value	Units	Rationale[a]
Arsenic	295 / 390	0.103	0.005	0.009	0.0059	95% KM Chebyshev UCL	0.0059	$\mu g/m^3$	UCL-NP
Cadmium	170 / 390	0.0335	0.002	0.004	0.00201	95% KM Chebyshev UCL	0.00201	$\mu g/m^3$	UCL-NP
Lead	314 / 390	0.45	0.028	0.041	0.0315	95% KM Chebyshev UCL	0.0233	$\mu g/m^3$	KM Mean[b]

[a] Based on recommendations from ProUCL, version 5.1.00 software (EPA, 2015d); includes non-detects treated per recommendations for each statistical method
UCL = Upper confidence limit; UCL-P = Parametric UCL; UCL-NP = Nonparametric UCL
95% KM Chebyshev UCL = UCL based on Kaplan-Meier method using the Chebyshev inequality

[b] Mean calculated using KM method

Table 3-25. Summary Statistics for Surface Soil EPCs

Panel A: Residential Soil[a]

Analyte	N Detect[b]	N[b]	Detection Frequency (%)	Average Concentration[c] (mg/kg)	Standard Deviation	Minimum Detected Concentration (mg/kg)	Maximum Detected Concentration (mg/kg)
Aluminum	1139	1139	100	13700	4790	3310	32600
Antimony	1139	1139	100	1.75	1.59	0.154	15.7
Arsenic	1139	1139	100	11.8	7.19	2.98	80.8
RBA Adjusted Arsenic	1139	1139	100	2.64	2.06	0.488	21.1
Cadmium	1139	1139	100	3.28	3.12	0.263	45.6
Chromium	1139	1139	100	20.6	8.43	7.93	167
Cobalt	1139	1139	100	6.75	2.42	2.38	26.4
Iron	1139	1139	100	17400	4060	7850	43200
Lead	1139	1139	100	142	146	8.9	1890
RBA Adjusted Lead	1139	1139	100	138	152	7.49	1980
Manganese	1139	1139	100	498	189	175	1540
Nickel	1139	1139	100	18.4	11.4	6.25	178
Thallium	1121	1139	98	0.228	0.113	0.087	1.52
Vanadium	1139	1139	100	29.6	8.57	10.2	98.3

Panel B: Upland Soil ADAs

Analyte	N Detect[b]	N[b]	Detection Frequency (%)	Average Concentration (mg/kg)	Standard Deviation	Minimum Detected Concentration (mg/kg)	Maximum Detected Concentration (mg/kg)
Aluminum	174	174	100	16200	4040	7180	27000
Antimony	174	174	100	2.46	1.83	0.44	12.2
Arsenic	174	174	100	16.9	7.16	5.58	55.9
RBA Adjusted Arsenic	174	174	100	4.77	2.05	1.57	13.3
Cadmium	174	174	100	4.81	2.93	0.42	16.3
Chromium	174	174	100	20.9	7.81	8.69	65.5
Cobalt	174	174	100	7.62	2.46	3.69	18
Iron	174	174	100	17900	3410	10200	27200
Lead	174	174	100	210	143	34.8	956
RBA Adjusted Lead	174	174	100	245	161	40.7	898
Manganese	174	174	100	777	292	239	1650
Thallium	174	174	100	0.288	0.105	0.11	0.74
Vanadium	174	174	100	30	7.54	17.7	56.6

[a]Residential soil DUs that had a TCRA or VRA were evaluated using the maximum backfill concentration rather than sampling results.

[b]Field replicates treated as individual samples.

[c]non-detects evaluated at 1/2 the reporting limit (backfill concentrations)

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
7[d]	54[d]	Play Area	Aluminum	--	14000	--	--	--	11700	14000	Maximum Backfill
			Antimony	--	0.75	--	--	--	0.626	0.75	Maximum Backfill
			Arsenic	--	6.6	--	--	--	5.51	6.6	Maximum Backfill
			RBA Adjusted Arsenic	--	1.82	--	--	--	1.52	1.82	Maximum Backfill
			Cadmium	--	0.71	--	--	--	0.593	0.71	Maximum Backfill
			Chromium	--	12	--	--	--	10	12	Maximum Backfill
			Cobalt	--	11	--	--	--	9.19	11	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	12	--	--	--	12	12	Maximum Backfill
			RBA Adjusted Lead	--	12.8	--	--	--	12.8	12.8	Maximum Backfill
			Manganese	--	770	--	--	--	643	770	Maximum Backfill
			Nickel	--	25	--	--	--	20.9	25	Maximum Backfill
			Thallium	--	0.105	--	--	--	0.0877	0.105	Maximum Backfill
			Vanadium	--	19	--	--	--	15.9	19	Maximum Backfill
9	12	Agriculture	Aluminum	3 / 3	18900	18400	458	19200	16000	19200	95% t-statistic UCL
			Antimony	3 / 3	1.68	1.61	0.0751	1.73	1.45	1.73	95% t-statistic UCL
			Arsenic	3 / 3	13	12.7	0.3	13.2	11	13.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.58	3.5	0.0827	3.64	3.04	3.64	95% t-statistic UCL
			Cadmium	3 / 3	2.31	2.25	0.0557	2.34	1.96	2.34	95% t-statistic UCL
			Chromium	3 / 3	19.1	18.9	0.252	19.3	16.1	19.3	95% t-statistic UCL
			Cobalt	3 / 3	7.09	7.05	0.0404	7.11	5.94	7.11	95% t-statistic UCL
			Iron	3 / 3	17000	16900	173	17200	14400	17200	95% t-statistic UCL
			Lead	3 / 3	89.7	86.2	3.12	86.2	86.2	86.2	Mean
			RBA Adjusted Lead	3 / 3	95.5	91.8	3.32	91.8	91.8	91.8	Mean
			Manganese	3 / 3	618	602	17.7	632	528	632	95% t-statistic UCL
			Nickel	3 / 3	14.4	14.2	0.173	14.5	12.1	14.5	95% t-statistic UCL
			Thallium	3 / 3	0.203	0.198	0.00503	0.207	0.173	0.207	95% t-statistic UCL
			Vanadium	3 / 3	29.8	29.6	0.2	29.9	25	29.9	95% t-statistic UCL
13	6	Other -Not Specified	Aluminum	1 / 1	15600	15600	N/A	18700	15600	18700	Result*CF
			Antimony	1 / 1	1.04	1.04	N/A	1.25	1.04	1.25	Result*CF
			Arsenic	1 / 1	12.1	12.1	N/A	14.5	12.1	14.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.34	3.34	N/A	4	3.34	4	Result*CF
			Cadmium	1 / 1	1.93	1.93	N/A	2.32	1.93	2.32	Result*CF
			Chromium	1 / 1	21.5	21.5	N/A	25.8	21.5	25.8	Result*CF
			Cobalt	1 / 1	7.09	7.09	N/A	8.51	7.1	8.51	Result*CF
			Iron	1 / 1	16700	16700	N/A	20000	16700	20000	Result*CF
			Lead	1 / 1	86.8	86.8	N/A	86.8	86.8	86.8	Mean
			RBA Adjusted Lead	1 / 1	92.4	92.4	N/A	92.4	92.4	92.4	Mean
			Manganese	1 / 1	686	686	N/A	823	687	823	Result*CF
			Nickel	1 / 1	15.1	15.1	N/A	18.1	15.1	18.1	Result*CF
			Thallium	1 / 1	0.179	0.179	N/A	0.215	0.179	0.215	Result*CF
			Vanadium	1 / 1	26.4	26.4	N/A	31.7	26.5	31.7	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
14	7	Garden	Aluminum	1 / 1	15800	15800	N/A	19000	15800	19000	Result*CF
			Antimony	1 / 1	1.03	1.03	N/A	1.24	1.03	1.24	Result*CF
			Arsenic	1 / 1	11.3	11.3	N/A	13.6	11.3	13.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.11	3.11	N/A	3.74	3.12	3.74	Result*CF
			Cadmium	1 / 1	1.91	1.91	N/A	2.29	1.91	2.29	Result*CF
			Chromium	1 / 1	18.1	18.1	N/A	21.7	18.1	21.7	Result*CF
			Cobalt	1 / 1	7.09	7.09	N/A	8.51	7.1	8.51	Result*CF
			Iron	1 / 1	16200	16200	N/A	19400	16200	19400	Result*CF
			Lead	1 / 1	72.4	72.4	N/A	72.4	72.4	72.4	Mean
			RBA Adjusted Lead	1 / 1	77.1	77.1	N/A	77.1	77.1	77.1	Mean
			Manganese	1 / 1	582	582	N/A	698	583	698	Result*CF
			Nickel	1 / 1	18.9	18.9	N/A	22.7	18.9	22.7	Result*CF
			Thallium	1 / 1	0.182	0.182	N/A	0.218	0.182	0.218	Result*CF
			Vanadium	1 / 1	27	27	N/A	32.4	27.1	32.4	Result*CF
15	8	House	Aluminum	3 / 3	15400	15000	451	15700	13100	15700	95% t-statistic UCL
			Antimony	3 / 3	1.36	1.33	0.0493	1.41	1.18	1.41	95% t-statistic UCL
			Arsenic	3 / 3	11	10.4	0.556	11.4	9.49	11.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.03	2.87	0.153	3.13	2.62	3.13	95% t-statistic UCL
			Cadmium	3 / 3	2.46	2.41	0.0503	2.49	2.08	2.49	95% t-statistic UCL
			Chromium	3 / 3	24.6	24.1	0.643	25.2	21.1	25.2	95% t-statistic UCL
			Cobalt	3 / 3	7.68	7.63	0.0624	7.74	6.46	7.74	95% t-statistic UCL
			Iron	3 / 3	17300	17100	153	17400	14500	17400	95% t-statistic UCL
			Lead	3 / 3	91.5	87.9	5.87	87.9	87.9	87.9	Mean
			RBA Adjusted Lead	3 / 3	97.4	93.6	6.25	93.6	93.6	93.6	Mean
			Manganese	3 / 3	508	506	1.73	509	425	509	95% t-statistic UCL
			Nickel	3 / 3	18.1	17.6	0.473	18.4	15.3	18.4	95% t-statistic UCL
			Thallium	3 / 3	0.248	0.228	0.0172	0.257	0.215	0.257	95% t-statistic UCL
			Vanadium	3 / 3	31.7	30.4	1.21	32.4	27.1	32.4	95% t-statistic UCL
16	10	Other -Not Specified	Aluminum	1 / 1	13700	13700	N/A	16400	13700	16400	Result*CF
			Antimony	1 / 1	3.36	3.36	N/A	4.03	3.37	4.03	Result*CF
			Arsenic	1 / 1	20.9	20.9	N/A	25.1	20.9	25.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	5.46	5.46	N/A	6.56	5.48	6.56	Result*CF
			Cadmium	1 / 1	7.54	7.54	N/A	9.05	7.56	9.05	Result*CF
			Chromium	1 / 1	19.9	19.9	N/A	23.9	19.9	23.9	Result*CF
			Cobalt	1 / 1	8.02	8.02	N/A	9.62	8.04	9.62	Result*CF
			Iron	1 / 1	16400	16400	N/A	19700	16400	19700	Result*CF
			Lead	1 / 1	335	335	N/A	335	335	335	Mean
			RBA Adjusted Lead	1 / 1	356	356	N/A	356	356	356	Mean
			Manganese	1 / 1	764	764	N/A	917	766	917	Result*CF
			Nickel	1 / 1	14.4	14.4	N/A	17.3	14.4	17.3	Result*CF
			Thallium	1 / 1	0.372	0.372	N/A	0.446	0.373	0.446	Result*CF
			Vanadium	1 / 1	29.2	29.2	N/A	35	29.3	35	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
17	11	Other -Not Specified	Aluminum	3 / 3	17200	17000	265	17400	14600	17400	95% t-statistic UCL
			Antimony	3 / 3	1.9	1.78	0.102	1.96	1.63	1.96	95% t-statistic UCL
			Arsenic	3 / 3	12.5	12.1	0.635	13.2	11	13.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.45	3.34	0.175	3.64	3.04	3.64	95% t-statistic UCL
			Cadmium	3 / 3	3.91	3.5	0.356	4.1	3.42	4.1	95% t-statistic UCL
			Chromium	3 / 3	27.7	26.7	0.889	28.2	23.5	28.2	95% t-statistic UCL
			Cobalt	3 / 3	8.85	8.59	0.231	8.98	7.49	8.98	95% t-statistic UCL
			Iron	3 / 3	19000	18500	436	19200	16100	19200	95% t-statistic UCL
			Lead	3 / 3	157	141	13.8	141	141	141	Mean
			RBA Adjusted Lead	3 / 3	167	151	14.7	151	151	151	Mean
			Manganese	3 / 3	719	693	23.7	733	612	733	95% t-statistic UCL
			Nickel	3 / 3	24.5	24.1	0.513	24.9	20.8	24.9	95% t-statistic UCL
			Thallium	3 / 3	0.249	0.244	0.00757	0.256	0.214	0.256	95% t-statistic UCL
			Vanadium	3 / 3	28.1	27	0.987	28.6	23.9	28.6	95% t-statistic UCL
18[d]	104[d]	House	Aluminum	--	14000	--	--	--	11700	14000	Maximum Backfill
			Antimony	--	0.75	--	--	--	0.626	0.75	Maximum Backfill
			Arsenic	--	6.6	--	--	--	5.51	6.6	Maximum Backfill
			RBA Adjusted Arsenic	--	1.82	--	--	--	1.52	1.82	Maximum Backfill
			Cadmium	--	0.71	--	--	--	0.593	0.71	Maximum Backfill
			Chromium	--	12	--	--	--	10	12	Maximum Backfill
			Cobalt	--	11	--	--	--	9.19	11	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	12	--	--	--	12	12	Maximum Backfill
			RBA Adjusted Lead	--	12.8	--	--	--	12.8	12.8	Maximum Backfill
			Manganese	--	770	--	--	--	643	770	Maximum Backfill
			Nickel	--	25	--	--	--	20.9	25	Maximum Backfill
			Thallium	--	0.105	--	--	--	0.0877	0.105	Maximum Backfill
			Vanadium	--	19	--	--	--	15.9	19	Maximum Backfill
20[d]	106[d]	Garden	Aluminum	--	14000	--	--	--	11700	14000	Maximum Backfill
			Antimony	--	0.75	--	--	--	0.626	0.75	Maximum Backfill
			Arsenic	--	6.6	--	--	--	5.51	6.6	Maximum Backfill
			RBA Adjusted Arsenic	--	1.82	--	--	--	1.52	1.82	Maximum Backfill
			Cadmium	--	0.71	--	--	--	0.593	0.71	Maximum Backfill
			Chromium	--	12	--	--	--	10	12	Maximum Backfill
			Cobalt	--	11	--	--	--	9.19	11	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	12	--	--	--	12	12	Maximum Backfill
			RBA Adjusted Lead	--	12.8	--	--	--	12.8	12.8	Maximum Backfill
			Manganese	--	770	--	--	--	643	770	Maximum Backfill
			Nickel	--	25	--	--	--	20.9	25	Maximum Backfill
			Thallium	--	0.105	--	--	--	0.0877	0.105	Maximum Backfill
			Vanadium	--	19	--	--	--	15.9	19	Maximum Backfill

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
21	148	House	Aluminum	3 / 3	17200	17000	252	17400	14500	17400	95% t-statistic UCL
			Antimony	3 / 3	1.53	1.44	0.0781	1.57	1.31	1.57	95% t-statistic UCL
			Arsenic	3 / 3	14.5	14.3	0.208	14.6	12.2	14.6	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.29	2.25	0.0329	2.31	1.93	2.31	95% t-statistic UCL
			Cadmium	3 / 3	1.88	1.78	0.0961	1.94	1.62	1.94	95% t-statistic UCL
			Chromium	3 / 3	22.2	22	0.173	22.3	18.6	22.3	95% t-statistic UCL
			Cobalt	3 / 3	7.89	7.83	0.0872	7.98	6.66	7.98	95% t-statistic UCL
			Iron	3 / 3	17200	17000	252	17400	14500	17400	95% t-statistic UCL
			Lead	3 / 3	112	98.9	11.5	98.9	98.9	98.9	Mean
			RBA Adjusted Lead	3 / 3	118	104	12.1	104	104	104	Mean
			Manganese	3 / 3	420	412	9.07	427	357	427	95% t-statistic UCL
			Nickel	3 / 3	20.2	20	0.153	20.3	16.9	20.3	95% t-statistic UCL
			Thallium	3 / 3	0.202	0.192	0.00961	0.208	0.174	0.208	95% t-statistic UCL
			Vanadium	3 / 3	31.6	31.4	0.321	31.9	26.6	31.9	95% t-statistic UCL
22	1	House	Aluminum	3 / 3	13800	13700	231	14100	11700	14100	95% t-statistic UCL
			Antimony	3 / 3	1.66	1.62	0.0751	1.74	1.46	1.74	95% t-statistic UCL
			Arsenic	3 / 3	16	15	1.5	17.6	14.7	17.6	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	5.61	5.27	0.528	6.16	5.15	6.16	95% t-statistic UCL
			Cadmium	3 / 3	2.94	2.76	0.163	3.03	2.53	3.03	95% t-statistic UCL
			Chromium	3 / 3	20	19.8	0.208	20.1	16.8	20.1	95% t-statistic UCL
			Cobalt	3 / 3	7.11	6.87	0.215	7.23	6.04	7.23	95% t-statistic UCL
			Iron	3 / 3	17300	17100	153	17400	14500	17400	95% t-statistic UCL
			Lead	3 / 3	112	102	9.95	102	102	102	Mean
			RBA Adjusted Lead	3 / 3	130	119	11.6	119	119	119	Mean
			Manganese	3 / 3	486	470	26.3	515	430	515	95% t-statistic UCL
			Nickel	3 / 3	16	15.9	0.0577	16	13.4	16	95% t-statistic UCL
			Thallium	3 / 3	0.223	0.211	0.0106	0.229	0.191	0.229	95% t-statistic UCL
			Vanadium	3 / 3	33.6	32.8	0.709	34	28.4	34	95% t-statistic UCL
25	123	House	Aluminum	3 / 3	18600	17200	1310	19400	16200	19400	95% t-statistic UCL
			Antimony	3 / 3	0.898	0.799	0.0871	0.946	0.79	0.946	95% t-statistic UCL
			Arsenic	3 / 3	8.34	7.82	0.764	9.1	7.6	9.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.3	2.15	0.211	2.51	2.1	2.51	95% t-statistic UCL
			Cadmium	3 / 3	1.34	1.2	0.128	1.42	1.18	1.42	95% t-statistic UCL
			Chromium	3 / 3	30	28.5	1.56	31.2	26	31.2	95% t-statistic UCL
			Cobalt	3 / 3	8.21	7.62	0.58	8.6	7.18	8.6	95% t-statistic UCL
			Iron	3 / 3	19900	19000	950	20600	17200	20600	95% t-statistic UCL
			Lead	3 / 3	56.6	51.1	4.86	51.1	51.1	51.1	Mean
			RBA Adjusted Lead	3 / 3	60.3	54.5	5.18	54.5	54.5	54.5	Mean
			Manganese	3 / 3	462	429	37.1	492	411	492	95% t-statistic UCL
			Nickel	3 / 3	18.6	17.5	0.954	19.1	16	19.1	95% t-statistic UCL
			Thallium	3 / 3	0.166	0.153	0.0114	0.172	0.144	0.172	95% t-statistic UCL
			Vanadium	3 / 3	34.5	32.6	2.32	36.5	30.5	36.5	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
27	125	Other -Not Specified	Aluminum	1 / 1	20700	20700	N/A	24800	20700	24800	Result*CF
			Antimony	1 / 1	1.45	1.45	N/A	1.74	1.45	1.74	Result*CF
			Arsenic	1 / 1	11.2	11.2	N/A	13.4	11.2	13.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.09	3.09	N/A	3.7	3.09	3.7	Result*CF
			Cadmium	1 / 1	2.93	2.93	N/A	3.52	2.94	3.52	Result*CF
			Chromium	1 / 1	24.1	24.1	N/A	28.9	24.1	28.9	Result*CF
			Cobalt	1 / 1	7.8	7.8	N/A	9.36	7.82	9.36	Result*CF
			Iron	1 / 1	18000	18000	N/A	21600	18000	21600	Result*CF
			Lead	1 / 1	127	127	N/A	127	127	127	Mean
			RBA Adjusted Lead	1 / 1	135	135	N/A	135	135	135	Mean
			Manganese	1 / 1	734	734	N/A	881	735	881	Result*CF
			Nickel	1 / 1	20.8	20.8	N/A	25	20.8	25	Result*CF
			Thallium	1 / 1	0.204	0.204	N/A	0.245	0.204	0.245	Result*CF
			Vanadium	1 / 1	31.1	31.1	N/A	37.3	31.2	37.3	Result*CF
28	126	Garden	Aluminum	3 / 3	15600	15500	115	15700	13100	15700	95% t-statistic UCL
			Antimony	3 / 3	0.495	0.479	0.0136	0.502	0.419	0.502	95% t-statistic UCL
			Arsenic	3 / 3	5.19	4.95	0.268	5.4	4.51	5.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.43	1.36	0.0738	1.49	1.24	1.49	95% t-statistic UCL
			Cadmium	3 / 3	0.875	0.866	0.0145	0.89	0.743	0.89	95% t-statistic UCL
			Chromium	3 / 3	30.7	30.4	0.493	31.2	26.1	31.2	95% t-statistic UCL
			Cobalt	3 / 3	7.83	7.35	0.446	8.1	6.76	8.1	95% t-statistic UCL
			Iron	3 / 3	17900	17600	306	18100	15100	18100	95% t-statistic UCL
			Lead	3 / 3	47.2	46.2	1.42	46.2	46.2	46.2	Mean
			RBA Adjusted Lead	3 / 3	50.3	49.2	1.51	49.2	49.2	49.2	Mean
			Manganese	3 / 3	404	377	23.4	416	348	416	95% t-statistic UCL
			Nickel	3 / 3	19	18.6	0.529	19.5	16.3	19.5	95% t-statistic UCL
			Thallium	3 / 3	0.137	0.124	0.0146	0.148	0.124	0.148	95% t-statistic UCL
			Vanadium	3 / 3	29.6	27.9	1.51	30.4	25.4	30.4	95% t-statistic UCL
29	127	Other -Not Specified	Aluminum	1 / 1	14700	14700	N/A	17600	14700	17600	Result*CF
			Antimony	1 / 1	0.714	0.714	N/A	0.857	0.715	0.857	Result*CF
			Arsenic	1 / 1	6.07	6.07	N/A	7.28	6.08	7.28	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.67	1.67	N/A	2.01	1.68	2.01	Result*CF
			Cadmium	1 / 1	0.939	0.939	N/A	1.13	0.941	1.13	Result*CF
			Chromium	1 / 1	25.9	25.9	N/A	31.1	26	31.1	Result*CF
			Cobalt	1 / 1	6.06	6.06	N/A	7.27	6.07	7.27	Result*CF
			Iron	1 / 1	14500	14500	N/A	17400	14500	17400	Result*CF
			Lead	1 / 1	40.1	40.1	N/A	40.1	40.1	40.1	Mean
			RBA Adjusted Lead	1 / 1	42.7	42.7	N/A	42.7	42.7	42.7	Mean
			Manganese	1 / 1	228	228	N/A	274	228	274	Result*CF
			Nickel	1 / 1	15.3	15.3	N/A	18.4	15.3	18.4	Result*CF
			Thallium	1 / 1	0.126	0.126	N/A	0.151	0.126	0.151	Result*CF
			Vanadium	1 / 1	24.5	24.5	N/A	29.4	24.5	29.4	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
30	128	Other -Not Specified	Aluminum	3 / 3	20500	20100	361	20700	17300	20700	95% t-statistic UCL
			Antimony	3 / 3	0.9	0.865	0.0318	0.919	0.767	0.919	95% t-statistic UCL
			Arsenic	3 / 3	12.2	11.6	0.493	12.5	10.4	12.5	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.36	3.21	0.136	3.44	2.87	3.44	95% t-statistic UCL
			Cadmium	3 / 3	1.15	1.11	0.0404	1.17	0.981	1.17	95% t-statistic UCL
			Chromium	3 / 3	26	25.8	0.208	26.2	21.9	26.2	95% t-statistic UCL
			Cobalt	3 / 3	9.83	9.66	0.187	9.97	8.33	9.97	95% t-statistic UCL
			Iron	3 / 3	19700	19600	115	19800	16600	19800	95% t-statistic UCL
			Lead	3 / 3	49.5	48.4	1.05	48.4	48.4	48.4	Mean
			RBA Adjusted Lead	3 / 3	52.7	51.6	1.12	51.6	51.6	51.6	Mean
			Manganese	3 / 3	584	569	19.7	602	503	602	95% t-statistic UCL
			Nickel	3 / 3	24.5	24	0.551	24.9	20.8	24.9	95% t-statistic UCL
			Thallium	3 / 3	0.184	0.182	0.00265	0.186	0.156	0.186	95% t-statistic UCL
			Vanadium	3 / 3	39.6	39.4	0.346	40	33.4	40	95% t-statistic UCL
31	129	Other -Not Specified	Aluminum	1 / 1	17700	17700	N/A	21200	17700	21200	Result*CF
			Antimony	1 / 1	2.2	2.2	N/A	2.64	2.2	2.64	Result*CF
			Arsenic	1 / 1	14.4	14.4	N/A	17.3	14.4	17.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.87	3.87	N/A	4.64	3.88	4.64	Result*CF
			Cadmium	1 / 1	5.09	5.09	N/A	6.11	5.1	6.11	Result*CF
			Chromium	1 / 1	24.5	24.5	N/A	29.4	24.5	29.4	Result*CF
			Cobalt	1 / 1	8.29	8.29	N/A	9.95	8.31	9.95	Result*CF
			Iron	1 / 1	19100	19100	N/A	22900	19100	22900	Result*CF
			Lead	1 / 1	257	257	N/A	257	257	257	Mean
			RBA Adjusted Lead	1 / 1	256	256	N/A	256	256	256	Mean
			Manganese	1 / 1	1000	1000	N/A	1200	1000	1200	Result*CF
			Nickel	1 / 1	18.2	18.2	N/A	21.8	18.2	21.8	Result*CF
			Thallium	1 / 1	0.276	0.276	N/A	0.331	0.277	0.331	Result*CF
			Vanadium	1 / 1	34.5	34.5	N/A	41.4	34.6	41.4	Result*CF
33	109	House	Aluminum	3 / 3	22500	22000	462	22700	19000	22700	95% t-statistic UCL
			Antimony	3 / 3	3.3	3.03	0.39	3.68	3.08	3.68	95% t-statistic UCL
			Arsenic	3 / 3	16.6	15.6	1.38	17.9	14.9	17.9	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.75	3.52	0.312	4.04	3.38	4.04	95% t-statistic UCL
			Cadmium	3 / 3	3.74	3.5	0.231	3.89	3.25	3.89	95% t-statistic UCL
			Chromium	3 / 3	19.1	18.2	0.833	19.6	16.3	19.6	95% t-statistic UCL
			Cobalt	3 / 3	6.86	6.7	0.183	7.01	5.85	7.01	95% t-statistic UCL
			Iron	3 / 3	16200	15900	265	16300	13600	16300	95% t-statistic UCL
			Lead	3 / 3	250	219	30	219	219	219	Mean
			RBA Adjusted Lead	3 / 3	236	206	28.3	206	206	206	Mean
			Manganese	3 / 3	517	503	15.7	529	442	529	95% t-statistic UCL
			Nickel	3 / 3	17.3	16.7	0.651	17.8	14.8	17.8	95% t-statistic UCL
			Thallium	3 / 3	0.351	0.33	0.0244	0.371	0.31	0.371	95% t-statistic UCL
			Vanadium	3 / 3	25.1	24.5	0.52	25.4	21.2	25.4	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
35[d]	16[d]	House	Aluminum	--	14000	--	--	--	11700	14000	Maximum Backfill
			Antimony	--	0.75	--	--	--	0.626	0.75	Maximum Backfill
			Arsenic	--	6.6	--	--	--	5.51	6.6	Maximum Backfill
			RBA Adjusted Arsenic	--	1.82	--	--	--	1.52	1.82	Maximum Backfill
			Cadmium	--	0.71	--	--	--	0.593	0.71	Maximum Backfill
			Chromium	--	12	--	--	--	10	12	Maximum Backfill
			Cobalt	--	11	--	--	--	9.19	11	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	12	--	--	--	12	12	Maximum Backfill
			RBA Adjusted Lead	--	12.8	--	--	--	12.8	12.8	Maximum Backfill
			Manganese	--	770	--	--	--	643	770	Maximum Backfill
			Nickel	--	25	--	--	--	20.9	25	Maximum Backfill
			Thallium	--	0.105	--	--	--	0.0877	0.105	Maximum Backfill
			Vanadium	--	19	--	--	--	15.9	19	Maximum Backfill
39[d]	19[d]	Agriculture	Aluminum	--	14000	--	--	--	11700	14000	Maximum Backfill
			Antimony	--	0.75	--	--	--	0.626	0.75	Maximum Backfill
			Arsenic	--	6.6	--	--	--	5.51	6.6	Maximum Backfill
			RBA Adjusted Arsenic	--	1.82	--	--	--	1.52	1.82	Maximum Backfill
			Cadmium	--	0.71	--	--	--	0.593	0.71	Maximum Backfill
			Chromium	--	12	--	--	--	10	12	Maximum Backfill
			Cobalt	--	11	--	--	--	9.19	11	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	12	--	--	--	12	12	Maximum Backfill
			RBA Adjusted Lead	--	12.8	--	--	--	12.8	12.8	Maximum Backfill
			Manganese	--	770	--	--	--	643	770	Maximum Backfill
			Nickel	--	25	--	--	--	20.9	25	Maximum Backfill
			Thallium	--	0.105	--	--	--	0.0877	0.105	Maximum Backfill
			Vanadium	--	19	--	--	--	15.9	19	Maximum Backfill
40[d]	130[d]	House	Aluminum	--	14000	--	--	--	11700	14000	Maximum Backfill
			Antimony	--	0.75	--	--	--	0.626	0.75	Maximum Backfill
			Arsenic	--	6.6	--	--	--	5.51	6.6	Maximum Backfill
			RBA Adjusted Arsenic	--	1.82	--	--	--	1.52	1.82	Maximum Backfill
			Cadmium	--	0.71	--	--	--	0.593	0.71	Maximum Backfill
			Chromium	--	12	--	--	--	10	12	Maximum Backfill
			Cobalt	--	11	--	--	--	9.19	11	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	12	--	--	--	12	12	Maximum Backfill
			RBA Adjusted Lead	--	12.8	--	--	--	12.8	12.8	Maximum Backfill
			Manganese	--	770	--	--	--	643	770	Maximum Backfill
			Nickel	--	25	--	--	--	20.9	25	Maximum Backfill
			Thallium	--	0.105	--	--	--	0.0877	0.105	Maximum Backfill
			Vanadium	--	19	--	--	--	15.9	19	Maximum Backfill

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
42	224	House	Aluminum	3 / 3	12300	12100	265	12500	10500	12500	95% t-statistic UCL
			Antimony	3 / 3	2.03	1.88	0.195	2.21	1.84	2.21	95% t-statistic UCL
			Arsenic	3 / 3	6.89	6.57	0.446	7.32	6.11	7.32	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.75	1.67	0.114	1.86	1.56	1.86	95% t-statistic UCL
			Cadmium	3 / 3	3.38	3.23	0.168	3.52	2.94	3.52	95% t-statistic UCL
			Chromium	3 / 3	19.4	18.8	0.603	19.8	16.6	19.8	95% t-statistic UCL
			Cobalt	3 / 3	5.04	4.97	0.07	5.09	4.25	5.09	95% t-statistic UCL
			Iron	3 / 3	14900	14800	115	15000	12500	15000	95% t-statistic UCL
			Lead	3 / 3	194	179	14.5	179	179	179	Mean
			RBA Adjusted Lead	3 / 3	248	230	18.6	230	230	230	Mean
			Manganese	3 / 3	410	402	6.66	414	345	414	95% t-statistic UCL
			Nickel	3 / 3	12.8	12.5	0.306	13	10.9	13	95% t-statistic UCL
			Thallium	3 / 3	0.226	0.22	0.00709	0.232	0.193	0.232	95% t-statistic UCL
			Vanadium	3 / 3	22.8	22.4	0.404	23.1	19.3	23.1	95% t-statistic UCL
44	226	Agriculture	Aluminum	3 / 3	12900	12800	57.7	12900	10800	12900	95% t-statistic UCL
			Antimony	3 / 3	1.59	1.52	0.0624	1.63	1.36	1.63	95% t-statistic UCL
			Arsenic	3 / 3	8.24	7.87	0.43	8.6	7.18	8.6	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.27	2.17	0.119	2.37	1.98	2.37	95% t-statistic UCL
			Cadmium	3 / 3	1.96	1.88	0.116	2.08	1.74	2.08	95% t-statistic UCL
			Chromium	3 / 3	19.2	18.6	0.721	19.8	16.5	19.8	95% t-statistic UCL
			Cobalt	3 / 3	5.37	5.19	0.161	5.46	4.56	5.46	95% t-statistic UCL
			Iron	3 / 3	14700	14700	N/A	14700	12300	14700	95% t-statistic UCL
			Lead	3 / 3	96.9	93.6	2.86	93.6	93.6	93.6	Mean
			RBA Adjusted Lead	3 / 3	103	99.7	3.04	99.7	99.7	99.7	Mean
			Manganese	3 / 3	425	421	3.61	427	357	427	95% t-statistic UCL
			Nickel	3 / 3	13.8	13.5	0.493	14.3	11.9	14.3	95% t-statistic UCL
			Thallium	3 / 3	0.179	0.173	0.00551	0.183	0.152	0.183	95% t-statistic UCL
			Vanadium	3 / 3	23.1	22.6	0.569	23.6	19.7	23.6	95% t-statistic UCL
46	227	Other -Not Specified	Aluminum	3 / 3	12500	12200	462	13000	10900	13000	95% t-statistic UCL
			Antimony	3 / 3	2.17	2.02	0.145	2.26	1.89	2.26	95% t-statistic UCL
			Arsenic	3 / 3	9.35	8.39	0.859	9.84	8.22	9.84	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.91	2.61	0.267	3.06	2.56	3.06	95% t-statistic UCL
			Cadmium	3 / 3	3.79	3.49	0.34	4.06	3.39	4.06	95% t-statistic UCL
			Chromium	3 / 3	17.3	16.2	0.971	17.9	14.9	17.9	95% t-statistic UCL
			Cobalt	3 / 3	5.82	5.4	0.363	6.01	5.02	6.01	95% t-statistic UCL
			Iron	3 / 3	15100	14800	306	15300	12800	15300	95% t-statistic UCL
			Lead	3 / 3	189	172	19.9	172	172	172	Mean
			RBA Adjusted Lead	3 / 3	208	189	21.8	189	189	189	Mean
			Manganese	3 / 3	439	429	9.07	444	371	444	95% t-statistic UCL
			Nickel	3 / 3	12.3	11.4	0.781	12.7	10.6	12.7	95% t-statistic UCL
			Thallium	3 / 3	0.254	0.236	0.0208	0.271	0.226	0.271	95% t-statistic UCL
			Vanadium	3 / 3	25.6	24.3	1.14	26.3	21.9	26.3	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
47	228	Agriculture	Aluminum	1 / 1	12900	12900	N/A	15500	12900	15500	Result*CF
			Antimony	1 / 1	2.29	2.29	N/A	2.75	2.29	2.75	Result*CF
			Arsenic	1 / 1	9.59	9.59	N/A	11.5	9.61	11.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.25	2.25	N/A	2.7	2.25	2.7	Result*CF
			Cadmium	1 / 1	3.53	3.53	N/A	4.24	3.54	4.24	Result*CF
			Chromium	1 / 1	18.3	18.3	N/A	22	18.3	22	Result*CF
			Cobalt	1 / 1	5.74	5.74	N/A	6.89	5.75	6.89	Result*CF
			Iron	1 / 1	15900	15900	N/A	19100	15900	19100	Result*CF
			Lead	1 / 1	193	193	N/A	193	193	193	Mean
			RBA Adjusted Lead	1 / 1	222	222	N/A	222	222	222	Mean
			Manganese	1 / 1	449	449	N/A	539	450	539	Result*CF
			Nickel	1 / 1	12.4	12.4	N/A	14.9	12.4	14.9	Result*CF
			Thallium	1 / 1	0.262	0.262	N/A	0.314	0.263	0.314	Result*CF
			Vanadium	1 / 1	24.9	24.9	N/A	29.9	24.9	29.9	Result*CF
49[d]	27[d]	House	Aluminum	--	14000	--	--	--	11700	14000	Maximum Backfill
			Antimony	--	0.75	--	--	--	0.626	0.75	Maximum Backfill
			Arsenic	--	6.6	--	--	--	5.51	6.6	Maximum Backfill
			RBA Adjusted Arsenic	--	1.82	--	--	--	1.52	1.82	Maximum Backfill
			Cadmium	--	0.71	--	--	--	0.593	0.71	Maximum Backfill
			Chromium	--	12	--	--	--	10	12	Maximum Backfill
			Cobalt	--	11	--	--	--	9.19	11	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	12	--	--	--	12	12	Maximum Backfill
			RBA Adjusted Lead	--	12.8	--	--	--	12.8	12.8	Maximum Backfill
			Manganese	--	770	--	--	--	643	770	Maximum Backfill
			Nickel	--	25	--	--	--	20.9	25	Maximum Backfill
			Thallium	--	0.105	--	--	--	0.0877	0.105	Maximum Backfill
			Vanadium	--	19	--	--	--	15.9	19	Maximum Backfill
55	183	House	Aluminum	3 / 3	14200	13800	404	14400	12100	14400	95% t-statistic UCL
			Antimony	3 / 3	0.782	0.731	0.0491	0.814	0.68	0.814	95% t-statistic UCL
			Arsenic	3 / 3	6.49	6.08	0.359	6.68	5.58	6.68	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.79	1.67	0.0988	1.84	1.54	1.84	95% t-statistic UCL
			Cadmium	3 / 3	1.66	1.45	0.186	1.76	1.47	1.76	95% t-statistic UCL
			Chromium	3 / 3	25.1	24.9	0.208	25.3	21.1	25.3	95% t-statistic UCL
			Cobalt	3 / 3	7.75	7.66	0.0751	7.79	6.5	7.79	95% t-statistic UCL
			Iron	3 / 3	18600	18500	100	18700	15600	18700	95% t-statistic UCL
			Lead	3 / 3	67.9	63	4.28	63	63	63	Mean
			RBA Adjusted Lead	3 / 3	72.3	67.1	4.55	67.1	67.1	67.1	Mean
			Manganese	3 / 3	405	388	15.1	414	345	414	95% t-statistic UCL
			Nickel	3 / 3	20.6	20.3	0.306	20.8	17.4	20.8	95% t-statistic UCL
			Thallium	3 / 3	0.208	0.2	0.00737	0.212	0.177	0.212	95% t-statistic UCL
			Vanadium	3 / 3	30.8	30.5	0.416	31.2	26	31.2	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
56	185	Other -Not Specified	Aluminum	3 / 3	16300	15700	794	17000	14200	17000	95% t-statistic UCL
			Antimony	3 / 3	1.97	1.71	0.229	2.09	1.75	2.09	95% t-statistic UCL
			Arsenic	3 / 3	11.7	10.6	1.1	12.4	10.4	12.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.68	2.43	0.251	2.85	2.38	2.85	95% t-statistic UCL
			Cadmium	3 / 3	4.46	3.84	0.535	4.75	3.96	4.75	95% t-statistic UCL
			Chromium	3 / 3	28.4	27.7	1.04	29.5	24.6	29.5	95% t-statistic UCL
			Cobalt	3 / 3	9.06	8.9	0.214	9.26	7.73	9.26	95% t-statistic UCL
			Iron	3 / 3	21200	20800	608	21800	18200	21800	95% t-statistic UCL
			Lead	3 / 3	205	164	35.7	164	164	164	Mean
			RBA Adjusted Lead	3 / 3	232	186	40.4	186	186	186	Mean
			Manganese	3 / 3	708	684	22.1	721	602	721	95% t-statistic UCL
			Nickel	3 / 3	22.1	21.6	0.681	22.7	19	22.7	95% t-statistic UCL
			Thallium	3 / 3	0.294	0.292	0.002	0.295	0.247	0.295	95% t-statistic UCL
			Vanadium	3 / 3	36.5	35.8	1.04	37.6	31.4	37.6	95% t-statistic UCL
58	186	Agriculture	Aluminum	3 / 3	14300	14100	153	14400	12000	14400	95% t-statistic UCL
			Antimony	3 / 3	1.06	1.02	0.0446	1.09	0.912	1.09	95% t-statistic UCL
			Arsenic	3 / 3	6.85	6.73	0.143	6.97	5.82	6.97	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.89	1.85	0.0394	1.92	1.6	1.92	95% t-statistic UCL
			Cadmium	3 / 3	1.78	1.73	0.0611	1.83	1.53	1.83	95% t-statistic UCL
			Chromium	3 / 3	25.4	25	0.586	26	21.7	26	95% t-statistic UCL
			Cobalt	3 / 3	7.77	7.59	0.175	7.89	6.59	7.89	95% t-statistic UCL
			Iron	3 / 3	18700	18700	N/A	18700	15600	18700	95% t-statistic UCL
			Lead	3 / 3	69.3	68.8	0.503	68.8	68.8	68.8	Mean
			RBA Adjusted Lead	3 / 3	73.8	73.3	0.536	73.3	73.3	73.3	Mean
			Manganese	3 / 3	508	502	5.2	511	426	511	95% t-statistic UCL
			Nickel	3 / 3	19.8	19.4	0.608	20.4	17.1	20.4	95% t-statistic UCL
			Thallium	3 / 3	0.215	0.213	0.00153	0.216	0.18	0.216	95% t-statistic UCL
			Vanadium	3 / 3	30.6	30.3	0.306	30.8	25.8	30.8	95% t-statistic UCL
59	13	House	Aluminum	3 / 3	9910	9580	301	10100	8420	10100	95% t-statistic UCL
			Antimony	3 / 3	3.25	2.78	0.41	3.47	2.9	3.47	95% t-statistic UCL
			Arsenic	3 / 3	11.3	11	0.493	11.8	9.85	11.8	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.11	3.02	0.136	3.25	2.72	3.25	95% t-statistic UCL
			Cadmium	3 / 3	5.27	4.71	0.506	5.57	4.65	5.57	95% t-statistic UCL
			Chromium	3 / 3	15.2	14.5	0.586	15.5	13	15.5	95% t-statistic UCL
			Cobalt	3 / 3	4.01	3.96	0.0781	4.09	3.42	4.09	95% t-statistic UCL
			Iron	3 / 3	10600	10500	100	10700	8910	10700	95% t-statistic UCL
			Lead	3 / 3	220	194	22.5	194	194	194	Mean
			RBA Adjusted Lead	3 / 3	234	207	24	207	207	207	Mean
			Manganese	3 / 3	422	403	16.3	431	360	431	95% t-statistic UCL
			Nickel	3 / 3	9.77	9.63	0.121	9.84	8.21	9.84	95% t-statistic UCL
			Thallium	3 / 3	0.233	0.22	0.0125	0.241	0.201	0.241	95% t-statistic UCL
			Vanadium	3 / 3	21.7	21.1	0.529	22	18.4	22	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
60	187	Garden	Aluminum	3 / 3	16000	15900	153	16100	13500	16100	95% t-statistic UCL
			Antimony	3 / 3	1.01	0.952	0.0501	1.04	0.866	1.04	95% t-statistic UCL
			Arsenic	3 / 3	7.8	7.5	0.354	8.1	6.76	8.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.15	2.07	0.0975	2.23	1.86	2.23	95% t-statistic UCL
			Cadmium	3 / 3	1.37	1.29	0.0862	1.44	1.2	1.44	95% t-statistic UCL
			Chromium	3 / 3	16.4	16	0.321	16.6	13.8	16.6	95% t-statistic UCL
			Cobalt	3 / 3	5.67	5.64	0.0306	5.69	4.76	5.69	95% t-statistic UCL
			Iron	3 / 3	16100	16000	100	16200	13500	16200	95% t-statistic UCL
			Lead	3 / 3	59.7	55.6	3.91	55.6	55.6	55.6	Mean
			RBA Adjusted Lead	3 / 3	63.6	59.2	4.16	59.2	59.2	59.2	Mean
			Manganese	3 / 3	466	463	3.79	470	392	470	95% t-statistic UCL
			Nickel	3 / 3	17	15.6	1.31	17.8	14.9	17.8	95% t-statistic UCL
			Thallium	3 / 3	0.174	0.171	0.00252	0.176	0.147	0.176	95% t-statistic UCL
			Vanadium	3 / 3	27.6	26.9	0.608	27.9	23.3	27.9	95% t-statistic UCL
61	188	House	Aluminum	3 / 3	13200	12800	400	13500	11300	13500	95% t-statistic UCL
			Antimony	3 / 3	1.76	1.45	0.301	1.95	1.63	1.95	95% t-statistic UCL
			Arsenic	3 / 3	11.1	10.7	0.404	11.4	9.53	11.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.23	3.12	0.117	3.32	2.77	3.32	95% t-statistic UCL
			Cadmium	3 / 3	3.23	2.84	0.368	3.46	2.89	3.46	95% t-statistic UCL
			Chromium	3 / 3	15.7	15.3	0.451	16	13.4	16	95% t-statistic UCL
			Cobalt	3 / 3	5.22	5.11	0.106	5.29	4.41	5.29	95% t-statistic UCL
			Iron	3 / 3	15000	14700	351	15300	12700	15300	95% t-statistic UCL
			Lead	3 / 3	165	130	30.6	130	130	130	Mean
			RBA Adjusted Lead	3 / 3	174	137	32.3	137	137	137	Mean
			Manganese	3 / 3	466	449	15.6	476	397	476	95% t-statistic UCL
			Nickel	3 / 3	12.3	12.1	0.265	12.5	10.5	12.5	95% t-statistic UCL
			Thallium	3 / 3	0.229	0.216	0.011	0.235	0.196	0.235	95% t-statistic UCL
			Vanadium	3 / 3	27.4	26.4	0.917	27.9	23.3	27.9	95% t-statistic UCL
62	68	House	Aluminum	3 / 3	16700	16700	57.7	16800	14000	16800	95% t-statistic UCL
			Antimony	3 / 3	1.2	1.05	0.134	1.27	1.06	1.27	95% t-statistic UCL
			Arsenic	3 / 3	11	10.7	0.416	11.4	9.49	11.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.9	2.81	0.11	3	2.5	3	95% t-statistic UCL
			Cadmium	3 / 3	2.84	2.12	0.631	3.18	2.66	3.18	95% t-statistic UCL
			Chromium	3 / 3	29.3	27.4	1.69	30.3	25.3	30.3	95% t-statistic UCL
			Cobalt	3 / 3	8.52	8.28	0.212	8.63	7.21	8.63	95% t-statistic UCL
			Iron	3 / 3	21200	20600	513	21500	18000	21500	95% t-statistic UCL
			Lead	3 / 3	133	105	24.1	105	105	105	Mean
			RBA Adjusted Lead	3 / 3	149	118	27	118	118	118	Mean
			Manganese	3 / 3	703	631	63.7	738	617	738	95% t-statistic UCL
			Nickel	3 / 3	19.2	18.5	0.751	19.7	16.5	19.7	95% t-statistic UCL
			Thallium	3 / 3	0.217	0.189	0.0244	0.23	0.192	0.23	95% t-statistic UCL
			Vanadium	3 / 3	40.2	38.1	1.82	41.2	34.4	41.2	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
66	180	Other -Not Specified	Aluminum	3 / 3	21300	21100	208	21500	17900	21500	95% t-statistic UCL
			Antimony	3 / 3	2.78	2.59	0.169	2.87	2.4	2.87	95% t-statistic UCL
			Arsenic	3 / 3	18.6	17.6	0.907	19.1	15.9	19.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.79	3.58	0.185	3.89	3.25	3.89	95% t-statistic UCL
			Cadmium	3 / 3	3.54	3.4	0.172	3.69	3.08	3.69	95% t-statistic UCL
			Chromium	3 / 3	19.1	18.1	0.866	19.6	16.3	19.6	95% t-statistic UCL
			Cobalt	3 / 3	6.78	6.7	0.0917	6.85	5.72	6.85	95% t-statistic UCL
			Iron	3 / 3	17400	17000	351	17600	14700	17600	95% t-statistic UCL
			Lead	3 / 3	154	143	11	143	143	143	Mean
			RBA Adjusted Lead	3 / 3	152	141	10.9	141	141	141	Mean
			Manganese	3 / 3	538	535	3.06	540	451	540	95% t-statistic UCL
			Nickel	3 / 3	16.2	15.7	0.416	16.4	13.7	16.4	95% t-statistic UCL
			Thallium	3 / 3	0.287	0.273	0.0119	0.293	0.245	0.293	95% t-statistic UCL
			Vanadium	3 / 3	31	29.9	0.945	31.5	26.3	31.5	95% t-statistic UCL
67	181	Garden	Aluminum	3 / 3	17800	17600	321	18100	15100	18100	95% t-statistic UCL
			Antimony	3 / 3	3.21	3.11	0.085	3.26	2.72	3.26	95% t-statistic UCL
			Arsenic	3 / 3	20.9	19.9	1	21.6	18	21.6	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.18	3.97	0.2	4.31	3.6	4.31	95% t-statistic UCL
			Cadmium	3 / 3	4.37	4.29	0.0709	4.41	3.68	4.41	95% t-statistic UCL
			Chromium	3 / 3	19.9	19.7	0.346	20.3	16.9	20.3	95% t-statistic UCL
			Cobalt	3 / 3	7.29	7.2	0.0961	7.37	6.15	7.37	95% t-statistic UCL
			Iron	3 / 3	18200	17900	306	18400	15300	18400	95% t-statistic UCL
			Lead	3 / 3	187	186	1.53	186	186	186	Mean
			RBA Adjusted Lead	3 / 3	176	174	1.44	174	174	174	Mean
			Manganese	3 / 3	639	621	15.4	647	540	647	95% t-statistic UCL
			Nickel	3 / 3	17.1	16.8	0.306	17.3	14.4	17.3	95% t-statistic UCL
			Thallium	3 / 3	0.293	0.29	0.00306	0.295	0.246	0.295	95% t-statistic UCL
			Vanadium	3 / 3	33.1	32.7	0.451	33.4	27.9	33.4	95% t-statistic UCL
70	231	House	Aluminum	3 / 3	14900	14600	265	15000	12600	15000	95% t-statistic UCL
			Antimony	3 / 3	2.78	2.35	0.43	3.07	2.57	3.07	95% t-statistic UCL
			Arsenic	3 / 3	14.7	14	0.889	15.5	12.9	15.5	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.47	4.26	0.27	4.71	3.94	4.71	95% t-statistic UCL
			Cadmium	3 / 3	4.63	3.87	0.711	5.07	4.23	5.07	95% t-statistic UCL
			Chromium	3 / 3	27.8	26.8	1.11	28.6	23.9	28.6	95% t-statistic UCL
			Cobalt	3 / 3	8.86	8.65	0.192	8.98	7.5	8.98	95% t-statistic UCL
			Iron	3 / 3	20200	19800	404	20500	17100	20500	95% t-statistic UCL
			Lead	3 / 3	216	166	44.7	166	166	166	Mean
			RBA Adjusted Lead	3 / 3	264	203	54.5	203	203	203	Mean
			Manganese	3 / 3	546	508	34.6	567	473	567	95% t-statistic UCL
			Nickel	3 / 3	26.9	26.1	0.85	27.5	23	27.5	95% t-statistic UCL
			Thallium	3 / 3	0.257	0.233	0.0211	0.268	0.224	0.268	95% t-statistic UCL
			Vanadium	3 / 3	32	31.2	0.709	32.4	27.1	32.4	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
71	232	Garden	Aluminum	3 / 3	19100	18900	208	19200	16000	19200	95% t-statistic UCL
			Antimony	3 / 3	2.08	1.99	0.103	2.17	1.81	2.17	95% t-statistic UCL
			Arsenic	3 / 3	15.4	15.3	0.115	15.5	13	15.5	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	5.32	5.29	0.0399	5.36	4.48	5.36	95% t-statistic UCL
			Cadmium	3 / 3	3.12	3.04	0.0802	3.18	2.65	3.18	95% t-statistic UCL
			Chromium	3 / 3	27	26.9	0.1	27.1	22.6	27.1	95% t-statistic UCL
			Cobalt	3 / 3	9.4	9.25	0.216	9.61	8.02	9.61	95% t-statistic UCL
			Iron	3 / 3	21000	20900	100	21100	17600	21100	95% t-statistic UCL
			Lead	3 / 3	114	112	3.21	112	112	112	Mean
			RBA Adjusted Lead	3 / 3	130	127	3.66	127	127	127	Mean
			Manganese	3 / 3	545	541	6.08	551	460	551	95% t-statistic UCL
			Nickel	3 / 3	31.4	31	0.458	31.8	26.5	31.8	95% t-statistic UCL
			Thallium	3 / 3	0.213	0.211	0.00321	0.216	0.18	0.216	95% t-statistic UCL
			Vanadium	3 / 3	31.8	31.5	0.3	32	26.7	32	95% t-statistic UCL
72	233	Garden	Aluminum	3 / 3	13200	12700	462	13400	11200	13400	95% t-statistic UCL
			Antimony	3 / 3	3	2.82	0.17	3.11	2.6	3.11	95% t-statistic UCL
			Arsenic	3 / 3	16.9	16.5	0.513	17.3	14.5	17.3	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.94	4.81	0.15	5.07	4.23	5.07	95% t-statistic UCL
			Cadmium	3 / 3	6.71	6.23	0.427	6.95	5.8	6.95	95% t-statistic UCL
			Chromium	3 / 3	38.2	37.6	0.954	39.2	32.7	39.2	95% t-statistic UCL
			Cobalt	3 / 3	12.5	12.3	0.208	12.6	10.5	12.6	95% t-statistic UCL
			Iron	3 / 3	25000	24500	503	25400	21200	25400	95% t-statistic UCL
			Lead	3 / 3	253	236	19.9	236	236	236	Mean
			RBA Adjusted Lead	3 / 3	247	230	19.4	230	230	230	Mean
			Manganese	3 / 3	455	445	13.2	467	390	467	95% t-statistic UCL
			Nickel	3 / 3	44	43.2	0.929	44.8	37.4	44.8	95% t-statistic UCL
			Thallium	3 / 3	0.304	0.293	0.014	0.316	0.264	0.316	95% t-statistic UCL
			Vanadium	3 / 3	42.1	41.2	1.08	43	35.9	43	95% t-statistic UCL
75	103	House	Aluminum	3 / 3	26000	25300	586	26300	22000	26300	95% t-statistic UCL
			Antimony	3 / 3	7.94	7.54	0.373	8.17	6.82	8.17	95% t-statistic UCL
			Arsenic	3 / 3	35.9	33	2.51	37.2	31.1	37.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.17	3.83	0.292	4.32	3.61	4.32	95% t-statistic UCL
			Cadmium	3 / 3	11.1	10.9	0.2	11.2	9.38	11.2	95% t-statistic UCL
			Chromium	3 / 3	17.5	17.3	0.208	17.6	14.7	17.6	95% t-statistic UCL
			Cobalt	3 / 3	7.73	7.67	0.0721	7.79	6.51	7.79	95% t-statistic UCL
			Iron	3 / 3	18500	18200	379	18900	15800	18900	95% t-statistic UCL
			Lead	3 / 3	504	495	11.5	495	495	495	Mean
			RBA Adjusted Lead	3 / 3	389	382	8.9	382	382	382	Mean
			Manganese	3 / 3	839	830	9	845	706	845	95% t-statistic UCL
			Nickel	3 / 3	16.2	16.1	0.153	16.3	13.6	16.3	95% t-statistic UCL
			Thallium	3 / 3	0.495	0.484	0.0115	0.503	0.42	0.503	95% t-statistic UCL
			Vanadium	3 / 3	35.7	35	0.964	36.6	30.6	36.6	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
82	110	House	Aluminum	3 / 3	18400	18000	529	18900	15800	18900	95% t-statistic UCL
			Antimony	3 / 3	0.792	0.754	0.0644	0.863	0.72	0.863	95% t-statistic UCL
			Arsenic	3 / 3	9.51	8.72	0.79	10	8.39	10	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.62	2.4	0.218	2.77	2.31	2.77	95% t-statistic UCL
			Cadmium	3 / 3	1.34	1.17	0.176	1.46	1.22	1.46	95% t-statistic UCL
			Chromium	3 / 3	29.6	27	2.33	30.9	25.8	30.9	95% t-statistic UCL
			Cobalt	3 / 3	8.86	8.21	0.578	9.18	7.67	9.18	95% t-statistic UCL
			Iron	3 / 3	21400	21100	351	21700	18100	21700	95% t-statistic UCL
			Lead	3 / 3	55.9	51.4	6.97	51.4	51.4	51.4	Mean
			RBA Adjusted Lead	3 / 3	59.5	54.8	7.42	54.8	54.8	54.8	Mean
			Manganese	3 / 3	569	557	10.4	575	480	575	95% t-statistic UCL
			Nickel	3 / 3	20	18.4	1.38	20.8	17.3	20.8	95% t-statistic UCL
			Thallium	3 / 3	0.161	0.149	0.0116	0.168	0.14	0.168	95% t-statistic UCL
			Vanadium	3 / 3	39.5	36.7	2.66	41.2	34.4	41.2	95% t-statistic UCL
85	93	House	Aluminum	3 / 3	9480	9270	182	9580	8000	9580	95% t-statistic UCL
			Antimony	3 / 3	0.555	0.552	0.0052	0.561	0.468	0.561	95% t-statistic UCL
			Arsenic	3 / 3	5.05	4.97	0.08	5.1	4.26	5.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.39	1.37	0.0221	1.41	1.17	1.41	95% t-statistic UCL
			Cadmium	3 / 3	1.22	1.18	0.0351	1.24	1.04	1.24	95% t-statistic UCL
			Chromium	3 / 3	22.7	21.6	1.05	23.4	19.5	23.4	95% t-statistic UCL
			Cobalt	3 / 3	6.51	6.4	0.116	6.6	5.51	6.6	95% t-statistic UCL
			Iron	3 / 3	15600	15300	351	15900	13200	15900	95% t-statistic UCL
			Lead	3 / 3	56.2	53.9	2.25	53.9	53.9	53.9	Mean
			RBA Adjusted Lead	3 / 3	59.8	57.4	2.4	57.4	57.4	57.4	Mean
			Manganese	3 / 3	258	250	7.21	262	219	262	95% t-statistic UCL
			Nickel	3 / 3	17.4	16.7	0.874	18.1	15.1	18.1	95% t-statistic UCL
			Thallium	3 / 3	0.174	0.173	0.001	0.175	0.146	0.175	95% t-statistic UCL
			Vanadium	3 / 3	29.1	28.7	0.529	29.6	24.7	29.6	95% t-statistic UCL
86	95	Agriculture	Aluminum	1 / 1	11000	11000	N/A	13200	11000	13200	Result*CF
			Antimony	1 / 1	1.13	1.13	N/A	1.36	1.13	1.36	Result*CF
			Arsenic	1 / 1	8.26	8.26	N/A	9.91	8.28	9.91	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.32	2.32	N/A	2.79	2.33	2.79	Result*CF
			Cadmium	1 / 1	2.3	2.3	N/A	2.76	2.3	2.76	Result*CF
			Chromium	1 / 1	25.5	25.5	N/A	30.6	25.6	30.6	Result*CF
			Cobalt	1 / 1	7.57	7.57	N/A	9.08	7.59	9.08	Result*CF
			Iron	1 / 1	16700	16700	N/A	20000	16700	20000	Result*CF
			Lead	1 / 1	111	111	N/A	111	111	111	Mean
			RBA Adjusted Lead	1 / 1	115	115	N/A	115	115	115	Mean
			Manganese	1 / 1	351	351	N/A	421	352	421	Result*CF
			Nickel	1 / 1	17.8	17.8	N/A	21.4	17.8	21.4	Result*CF
			Thallium	1 / 1	0.211	0.211	N/A	0.253	0.211	0.253	Result*CF
			Vanadium	1 / 1	33.8	33.8	N/A	40.6	33.9	40.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
87	96	Agriculture	Aluminum	3 / 3	9860	9500	346	10100	8420	10100	95% t-statistic UCL
			Antimony	3 / 3	1.13	1	0.117	1.2	1	1.2	95% t-statistic UCL
			Arsenic	3 / 3	6.77	6.56	0.254	6.99	5.84	6.99	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.87	1.81	0.07	1.93	1.61	1.93	95% t-statistic UCL
			Cadmium	3 / 3	2.35	2.08	0.243	2.49	2.08	2.49	95% t-statistic UCL
			Chromium	3 / 3	22	21.9	0.1	22.1	18.4	22.1	95% t-statistic UCL
			Cobalt	3 / 3	6.55	6.48	0.127	6.69	5.59	6.69	95% t-statistic UCL
			Iron	3 / 3	15600	15100	643	16200	13500	16200	95% t-statistic UCL
			Lead	3 / 3	106	93.5	11.5	93.5	93.5	93.5	Mean
			RBA Adjusted Lead	3 / 3	113	99.5	12.3	99.5	99.5	99.5	Mean
			Manganese	3 / 3	337	306	27.6	353	294	353	95% t-statistic UCL
			Nickel	3 / 3	15.9	15.6	0.252	16.1	13.4	16.1	95% t-statistic UCL
			Thallium	3 / 3	0.225	0.208	0.0151	0.234	0.195	0.234	95% t-statistic UCL
			Vanadium	3 / 3	30	29.2	0.85	30.6	25.6	30.6	95% t-statistic UCL
106	216	House	Aluminum	3 / 3	16000	15800	200	16100	13500	16100	95% t-statistic UCL
			Antimony	3 / 3	4.5	4.08	0.384	4.72	3.94	4.72	95% t-statistic UCL
			Arsenic	3 / 3	21.2	19.3	1.62	22.1	18.4	22.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	8.86	8.08	0.677	9.22	7.7	9.22	95% t-statistic UCL
			Cadmium	3 / 3	5.86	5.62	0.223	6	5.01	6	95% t-statistic UCL
			Chromium	3 / 3	16.9	16.5	0.321	17.1	14.3	17.1	95% t-statistic UCL
			Cobalt	3 / 3	5.8	5.69	0.135	5.92	4.94	5.92	95% t-statistic UCL
			Iron	3 / 3	16300	16000	306	16500	13800	16500	95% t-statistic UCL
			Lead	3 / 3	338	308	27.1	308	308	308	Mean
			RBA Adjusted Lead	3 / 3	425	387	34.1	387	387	387	Mean
			Manganese	3 / 3	815	720	84.1	861	719	861	95% t-statistic UCL
			Nickel	3 / 3	15.9	15.7	0.208	16.1	13.4	16.1	95% t-statistic UCL
			Thallium	3 / 3	0.319	0.312	0.00833	0.326	0.273	0.326	95% t-statistic UCL
			Vanadium	3 / 3	26.8	26.2	0.551	27.2	22.7	27.2	95% t-statistic UCL
107	217	Garden	Aluminum	1 / 1	23900	23900	N/A	28700	23900	28700	Result*CF
			Antimony	1 / 1	2.69	2.69	N/A	3.23	2.7	3.23	Result*CF
			Arsenic	1 / 1	17.2	17.2	N/A	20.6	17.2	20.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	4.74	4.74	N/A	5.69	4.75	5.69	Result*CF
			Cadmium	1 / 1	3.59	3.59	N/A	4.31	3.6	4.31	Result*CF
			Chromium	1 / 1	16.1	16.1	N/A	19.3	16.1	19.3	Result*CF
			Cobalt	1 / 1	6.37	6.37	N/A	7.64	6.38	7.64	Result*CF
			Iron	1 / 1	17600	17600	N/A	21100	17600	21100	Result*CF
			Lead	1 / 1	159	159	N/A	159	159	159	Mean
			RBA Adjusted Lead	1 / 1	169	169	N/A	169	169	169	Mean
			Manganese	1 / 1	641	641	N/A	769	642	769	Result*CF
			Nickel	1 / 1	17.1	17.1	N/A	20.5	17.1	20.5	Result*CF
			Thallium	1 / 1	0.23	0.23	N/A	0.276	0.23	0.276	Result*CF
			Vanadium	1 / 1	30.3	30.3	N/A	36.4	30.4	36.4	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
108	218	Garden	Aluminum	3 / 3	17500	17100	361	17700	14800	17700	95% t-statistic UCL
			Antimony	3 / 3	2.54	2.39	0.16	2.66	2.22	2.66	95% t-statistic UCL
			Arsenic	3 / 3	18.5	17.2	1.1	19.1	15.9	19.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	7.89	7.35	0.468	8.14	6.8	8.14	95% t-statistic UCL
			Cadmium	3 / 3	3.97	3.85	0.111	4.04	3.37	4.04	95% t-statistic UCL
			Chromium	3 / 3	16.6	16.4	0.173	16.7	13.9	16.7	95% t-statistic UCL
			Cobalt	3 / 3	7.07	7.02	0.0681	7.13	5.95	7.13	95% t-statistic UCL
			Iron	3 / 3	18100	17700	351	18300	15300	18300	95% t-statistic UCL
			Lead	3 / 3	162	151	11.5	151	151	151	Mean
			RBA Adjusted Lead	3 / 3	199	185	14.2	185	185	185	Mean
			Manganese	3 / 3	584	578	9.81	595	497	595	95% t-statistic UCL
			Nickel	3 / 3	26.8	24.3	2.14	27.9	23.3	27.9	95% t-statistic UCL
			Thallium	3 / 3	0.215	0.211	0.00513	0.219	0.183	0.219	95% t-statistic UCL
			Vanadium	3 / 3	26.5	26.2	0.231	26.6	22.2	26.6	95% t-statistic UCL
109[d]	66[d]	House	Aluminum	--	14000	--	--	--	11700	14000	Maximum Backfill
			Antimony	--	0.75	--	--	--	0.626	0.75	Maximum Backfill
			Arsenic	--	6.6	--	--	--	5.51	6.6	Maximum Backfill
			RBA Adjusted Arsenic	--	1.82	--	--	--	1.52	1.82	Maximum Backfill
			Cadmium	--	0.71	--	--	--	0.593	0.71	Maximum Backfill
			Chromium	--	12	--	--	--	10	12	Maximum Backfill
			Cobalt	--	11	--	--	--	9.19	11	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	12	--	--	--	12	12	Maximum Backfill
			RBA Adjusted Lead	--	12.8	--	--	--	12.8	12.8	Maximum Backfill
			Manganese	--	770	--	--	--	643	770	Maximum Backfill
			Nickel	--	25	--	--	--	20.9	25	Maximum Backfill
			Thallium	--	0.105	--	--	--	0.0877	0.105	Maximum Backfill
			Vanadium	--	19	--	--	--	15.9	19	Maximum Backfill
110	189	House	Aluminum	3 / 3	11500	11400	173	11700	9760	11700	95% t-statistic UCL
			Antimony	3 / 3	1.03	1	0.0333	1.06	0.883	1.06	95% t-statistic UCL
			Arsenic	3 / 3	9.65	9.17	0.423	9.88	8.25	9.88	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.66	2.53	0.117	2.72	2.27	2.72	95% t-statistic UCL
			Cadmium	3 / 3	1.99	1.94	0.0416	2.01	1.68	2.01	95% t-statistic UCL
			Chromium	3 / 3	15.9	15.6	0.416	16.3	13.6	16.3	95% t-statistic UCL
			Cobalt	3 / 3	5	4.89	0.0981	5.05	4.22	5.05	95% t-statistic UCL
			Iron	3 / 3	12600	12300	252	12800	10700	12800	95% t-statistic UCL
			Lead	3 / 3	88.6	83.1	4.84	83.1	83.1	83.1	Mean
			RBA Adjusted Lead	3 / 3	94.4	88.5	5.15	88.5	88.5	88.5	Mean
			Manganese	3 / 3	485	473	14.4	497	415	497	95% t-statistic UCL
			Nickel	3 / 3	13.5	13.2	0.306	13.7	11.4	13.7	95% t-statistic UCL
			Thallium	3 / 3	0.178	0.177	0.001	0.179	0.149	0.179	95% t-statistic UCL
			Vanadium	3 / 3	22.6	21.7	0.833	23.1	19.3	23.1	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
111	192	Other -Not Specified	Aluminum	3 / 3	11800	11600	321	12100	10100	12100	95% t-statistic UCL
			Antimony	3 / 3	1	0.861	0.121	1.07	0.889	1.07	95% t-statistic UCL
			Arsenic	3 / 3	8.08	7.8	0.341	8.38	6.99	8.38	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.23	2.15	0.094	2.31	1.93	2.31	95% t-statistic UCL
			Cadmium	3 / 3	1.65	1.59	0.0794	1.72	1.44	1.72	95% t-statistic UCL
			Chromium	3 / 3	16.3	15.5	0.8	16.8	14.1	16.8	95% t-statistic UCL
			Cobalt	3 / 3	5.28	5.05	0.2	5.39	4.5	5.39	95% t-statistic UCL
			Iron	3 / 3	13000	12600	351	13200	11000	13200	95% t-statistic UCL
			Lead	3 / 3	75.5	66.1	8.5	66.1	66.1	66.1	Mean
			RBA Adjusted Lead	3 / 3	80.4	70.4	9.05	70.4	70.4	70.4	Mean
			Manganese	3 / 3	480	464	14.6	488	408	488	95% t-statistic UCL
			Nickel	3 / 3	14	13.5	0.458	14.3	11.9	14.3	95% t-statistic UCL
			Thallium	3 / 3	0.176	0.175	0.00153	0.177	0.148	0.177	95% t-statistic UCL
			Vanadium	3 / 3	23.2	22.1	1.22	24.2	20.2	24.2	95% t-statistic UCL
112	211	House	Aluminum	3 / 3	20000	19200	681	20400	17000	20400	95% t-statistic UCL
			Antimony	3 / 3	5.23	4.81	0.367	5.43	4.53	5.43	95% t-statistic UCL
			Arsenic	3 / 3	32.3	28.1	3.77	34.5	28.8	34.5	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	11.3	9.86	1.32	12.1	10.1	12.1	95% t-statistic UCL
			Cadmium	3 / 3	10.2	9.67	0.569	10.6	8.88	10.6	95% t-statistic UCL
			Chromium	3 / 3	19.9	19	0.833	20.4	17	20.4	95% t-statistic UCL
			Cobalt	3 / 3	7.37	6.97	0.377	7.61	6.35	7.61	95% t-statistic UCL
			Iron	3 / 3	16700	16400	231	16800	14000	16800	95% t-statistic UCL
			Lead	3 / 3	428	395	29.1	395	395	395	Mean
			RBA Adjusted Lead	3 / 3	511	471	34.8	471	471	471	Mean
			Manganese	3 / 3	749	727	33.3	783	654	783	95% t-statistic UCL
			Nickel	3 / 3	17.5	16.6	0.814	17.9	15	17.9	95% t-statistic UCL
			Thallium	3 / 3	0.387	0.379	0.00666	0.391	0.326	0.391	95% t-statistic UCL
			Vanadium	3 / 3	27.4	26.8	0.513	27.7	23.1	27.7	95% t-statistic UCL
121	82	House	Aluminum	3 / 3	26700	26500	265	26900	22500	26900	95% t-statistic UCL
			Antimony	3 / 3	1.5	1.44	0.0551	1.53	1.28	1.53	95% t-statistic UCL
			Arsenic	3 / 3	17.8	17.5	0.265	17.9	15	17.9	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.33	3.28	0.0495	3.36	2.81	3.36	95% t-statistic UCL
			Cadmium	3 / 3	4.92	4.5	0.398	5.17	4.32	5.17	95% t-statistic UCL
			Chromium	3 / 3	36.2	35.1	1.16	37.1	31	37.1	95% t-statistic UCL
			Cobalt	3 / 3	14.7	14.4	0.351	15	12.5	15	95% t-statistic UCL
			Iron	3 / 3	27200	27100	100	27300	22800	27300	95% t-statistic UCL
			Lead	3 / 3	165	151	12.2	151	151	151	Mean
			RBA Adjusted Lead	3 / 3	162	148	11.9	148	148	148	Mean
			Manganese	3 / 3	1200	1160	32.1	1220	1020	1220	95% t-statistic UCL
			Nickel	3 / 3	29.1	28.5	0.656	29.6	24.7	29.6	95% t-statistic UCL
			Thallium	3 / 3	0.346	0.33	0.014	0.354	0.296	0.354	95% t-statistic UCL
			Vanadium	3 / 3	51.5	51.3	0.153	51.6	43.1	51.6	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
122	42	Other -Not Specified	Aluminum	3 / 3	24600	24200	513	25000	20900	25000	95% t-statistic UCL
			Antimony	3 / 3	1.09	1.06	0.0543	1.15	0.96	1.15	95% t-statistic UCL
			Arsenic	3 / 3	17.9	17.5	0.404	18.2	15.2	18.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.93	4.83	0.111	5.02	4.19	5.02	95% t-statistic UCL
			Cadmium	3 / 3	2.13	2.08	0.0611	2.18	1.82	2.18	95% t-statistic UCL
			Chromium	3 / 3	39.5	38.8	0.586	39.8	33.3	39.8	95% t-statistic UCL
			Cobalt	3 / 3	13.1	13	0.153	13.2	11	13.2	95% t-statistic UCL
			Iron	3 / 3	25500	25100	404	25800	21600	25800	95% t-statistic UCL
			Lead	3 / 3	68.4	64.8	3.11	64.8	64.8	64.8	Mean
			RBA Adjusted Lead	3 / 3	72.8	69	3.31	69	69	69	Mean
			Manganese	3 / 3	776	765	15.7	791	661	791	95% t-statistic UCL
			Nickel	3 / 3	29.8	29.7	0.115	29.9	24.9	29.9	95% t-statistic UCL
			Thallium	3 / 3	0.265	0.262	0.00306	0.267	0.223	0.267	95% t-statistic UCL
			Vanadium	3 / 3	57.7	57	0.586	58	48.4	58	95% t-statistic UCL
123	43	House	Aluminum	3 / 3	20400	20000	361	20600	17200	20600	95% t-statistic UCL
			Antimony	3 / 3	4.08	3.92	0.155	4.18	3.49	4.18	95% t-statistic UCL
			Arsenic	3 / 3	25.5	24.3	1.08	26.1	21.8	26.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.91	4.68	0.208	5.04	4.2	5.04	95% t-statistic UCL
			Cadmium	3 / 3	8.78	8.69	0.0794	8.82	7.37	8.82	95% t-statistic UCL
			Chromium	3 / 3	20.9	20.3	0.981	22	18.4	22	95% t-statistic UCL
			Cobalt	3 / 3	7.65	7.51	0.18	7.82	6.53	7.82	95% t-statistic UCL
			Iron	3 / 3	16700	16400	252	16900	14100	16900	95% t-statistic UCL
			Lead	3 / 3	314	309	5.51	309	309	309	Mean
			RBA Adjusted Lead	3 / 3	342	337	6.01	337	337	337	Mean
			Manganese	3 / 3	617	607	8.5	622	519	622	95% t-statistic UCL
			Nickel	3 / 3	16.2	15.6	0.603	16.6	13.9	16.6	95% t-statistic UCL
			Thallium	3 / 3	0.412	0.407	0.00503	0.415	0.347	0.415	95% t-statistic UCL
			Vanadium	3 / 3	33.5	32.9	1.1	34.7	29	34.7	95% t-statistic UCL
135	44	Other -Not Specified	Aluminum	3 / 3	7190	7040	175	7340	6130	7340	95% t-statistic UCL
			Antimony	3 / 3	1.28	1.2	0.0721	1.32	1.1	1.32	95% t-statistic UCL
			Arsenic	3 / 3	9.63	9.2	0.379	9.83	8.21	9.83	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.44	2.33	0.096	2.49	2.08	2.49	95% t-statistic UCL
			Cadmium	3 / 3	3.25	3.06	0.172	3.35	2.8	3.35	95% t-statistic UCL
			Chromium	3 / 3	18.2	18	0.208	18.3	15.3	18.3	95% t-statistic UCL
			Cobalt	3 / 3	5.92	5.76	0.14	6	5.01	6	95% t-statistic UCL
			Iron	3 / 3	13900	13700	289	14200	11900	14200	95% t-statistic UCL
			Lead	3 / 3	140	128	10.7	128	128	128	Mean
			RBA Adjusted Lead	3 / 3	143	130	10.9	130	130	130	Mean
			Manganese	3 / 3	287	281	5.57	290	242	290	95% t-statistic UCL
			Nickel	3 / 3	14.3	14.2	0.115	14.4	12	14.4	95% t-statistic UCL
			Thallium	3 / 3	0.239	0.232	0.00643	0.243	0.202	0.243	95% t-statistic UCL
			Vanadium	3 / 3	28	27.2	1.06	29	24.2	29	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
146	175	House	Aluminum	3 / 3	19200	18300	814	19600	16400	19600	95% t-statistic UCL
			Antimony	3 / 3	0.805	0.783	0.0243	0.824	0.688	0.824	95% t-statistic UCL
			Arsenic	3 / 3	10.8	10.4	0.626	11.4	9.56	11.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.98	2.86	0.172	3.15	2.63	3.15	95% t-statistic UCL
			Cadmium	3 / 3	2.19	2.02	0.175	2.32	1.93	2.32	95% t-statistic UCL
			Chromium	3 / 3	18.6	17.9	0.656	19	15.9	19	95% t-statistic UCL
			Cobalt	3 / 3	7.84	7.68	0.143	7.92	6.62	7.92	95% t-statistic UCL
			Iron	3 / 3	19100	18400	611	19500	16300	19500	95% t-statistic UCL
			Lead	3 / 3	84.3	76.5	7.8	76.5	76.5	76.5	Mean
			RBA Adjusted Lead	3 / 3	89.8	81.4	8.31	81.4	81.4	81.4	Mean
			Manganese	3 / 3	655	630	23.2	669	559	669	95% t-statistic UCL
			Nickel	3 / 3	18.8	17.9	0.751	19.2	16	19.2	95% t-statistic UCL
			Thallium	3 / 3	0.228	0.221	0.00808	0.234	0.196	0.234	95% t-statistic UCL
			Vanadium	3 / 3	33.7	32.7	0.917	34.2	28.6	34.2	95% t-statistic UCL
147	177	Garden	Aluminum	3 / 3	12500	12200	379	12900	10700	12900	95% t-statistic UCL
			Antimony	3 / 3	0.583	0.575	0.008	0.588	0.491	0.588	95% t-statistic UCL
			Arsenic	3 / 3	7.25	6.99	0.229	7.38	6.16	7.38	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2	1.93	0.0631	2.03	1.7	2.03	95% t-statistic UCL
			Cadmium	3 / 3	1.05	1.03	0.0208	1.07	0.892	1.07	95% t-statistic UCL
			Chromium	3 / 3	16.6	16.3	0.416	17	14.2	17	95% t-statistic UCL
			Cobalt	3 / 3	5.84	5.74	0.119	5.94	4.96	5.94	95% t-statistic UCL
			Iron	3 / 3	15800	15600	265	16000	13400	16000	95% t-statistic UCL
			Lead	3 / 3	48.4	47.8	0.529	47.8	47.8	47.8	Mean
			RBA Adjusted Lead	3 / 3	51.5	50.9	0.564	50.9	50.9	50.9	Mean
			Manganese	3 / 3	367	364	5.2	373	311	373	95% t-statistic UCL
			Nickel	3 / 3	17.6	17.1	0.503	18	15	18	95% t-statistic UCL
			Thallium	3 / 3	0.148	0.143	0.00473	0.151	0.126	0.151	95% t-statistic UCL
			Vanadium	3 / 3	23.5	23	0.551	23.9	20	23.9	95% t-statistic UCL
151[d]	136[d]	House	Aluminum	--	14000	--	--	--	11700	14000	Maximum Backfill
			Antimony	--	0.75	--	--	--	0.626	0.75	Maximum Backfill
			Arsenic	--	6.6	--	--	--	5.51	6.6	Maximum Backfill
			RBA Adjusted Arsenic	--	1.82	--	--	--	1.52	1.82	Maximum Backfill
			Cadmium	--	0.71	--	--	--	0.593	0.71	Maximum Backfill
			Chromium	--	12	--	--	--	10	12	Maximum Backfill
			Cobalt	--	11	--	--	--	9.19	11	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	12	--	--	--	12	12	Maximum Backfill
			RBA Adjusted Lead	--	12.8	--	--	--	12.8	12.8	Maximum Backfill
			Manganese	--	770	--	--	--	643	770	Maximum Backfill
			Nickel	--	25	--	--	--	20.9	25	Maximum Backfill
			Thallium	--	0.105	--	--	--	0.0877	0.105	Maximum Backfill
			Vanadium	--	19	--	--	--	15.9	19	Maximum Backfill

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
152	138	Other -Not Specified	Aluminum	3 / 3	11300	11200	153	11400	9540	11400	95% t-statistic UCL
			Antimony	3 / 3	1.69	1.61	0.0907	1.76	1.47	1.76	95% t-statistic UCL
			Arsenic	3 / 3	15.9	15.7	0.153	16	13.4	16	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.25	3.22	0.0313	3.27	2.73	3.27	95% t-statistic UCL
			Cadmium	3 / 3	5.45	4.81	0.563	5.76	4.81	5.76	95% t-statistic UCL
			Chromium	3 / 3	33.7	32.8	1.01	34.5	28.8	34.5	95% t-statistic UCL
			Cobalt	3 / 3	10.2	9.98	0.193	10.3	8.61	10.3	95% t-statistic UCL
			Iron	3 / 3	20700	20500	265	20900	17500	20900	95% t-statistic UCL
			Lead	3 / 3	203	180	20	180	180	180	Mean
			RBA Adjusted Lead	3 / 3	206	183	20.4	183	183	183	Mean
			Manganese	3 / 3	627	622	5	630	526	630	95% t-statistic UCL
			Nickel	3 / 3	24.6	24.1	0.473	24.9	20.8	24.9	95% t-statistic UCL
			Thallium	3 / 3	0.272	0.254	0.0153	0.28	0.234	0.28	95% t-statistic UCL
			Vanadium	3 / 3	43.3	42.4	1.03	44.2	36.9	44.2	95% t-statistic UCL
154	107	House	Aluminum	3 / 3	7480	7130	319	7660	6400	7660	95% t-statistic UCL
			Antimony	3 / 3	0.607	0.577	0.0399	0.645	0.538	0.645	95% t-statistic UCL
			Arsenic	3 / 3	4.95	4.86	0.0808	5	4.17	5	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.36	1.34	0.0223	1.38	1.15	1.38	95% t-statistic UCL
			Cadmium	3 / 3	1.42	1.32	0.0874	1.47	1.23	1.47	95% t-statistic UCL
			Chromium	3 / 3	14.4	14.2	0.208	14.5	12.1	14.5	95% t-statistic UCL
			Cobalt	3 / 3	3.94	3.88	0.0529	3.97	3.31	3.97	95% t-statistic UCL
			Iron	3 / 3	12000	12000	57.7	12100	10100	12100	95% t-statistic UCL
			Lead	3 / 3	67.8	62.3	4.84	62.3	62.3	62.3	Mean
			RBA Adjusted Lead	3 / 3	72.2	66.3	5.15	66.3	66.3	66.3	Mean
			Manganese	3 / 3	266	255	13.3	277	231	277	95% t-statistic UCL
			Nickel	3 / 3	11.6	11.5	0.0577	11.6	9.71	11.6	95% t-statistic UCL
			Thallium	3 / 3	0.099	0.0977	0.00231	0.102	0.0848	0.102	95% t-statistic UCL
			Vanadium	3 / 3	21	20.9	0.1	21.1	17.6	21.1	95% t-statistic UCL
160	151	House	Aluminum	3 / 3	18100	17500	520	18400	15300	18400	95% t-statistic UCL
			Antimony	3 / 3	1.5	1.37	0.114	1.56	1.3	1.56	95% t-statistic UCL
			Arsenic	3 / 3	15.1	14.4	0.635	15.4	12.9	15.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.16	3.96	0.175	4.26	3.55	4.26	95% t-statistic UCL
			Cadmium	3 / 3	3.49	3.31	0.303	3.82	3.19	3.82	95% t-statistic UCL
			Chromium	3 / 3	20.8	19.2	1.36	21.5	18	21.5	95% t-statistic UCL
			Cobalt	3 / 3	7.12	6.76	0.621	7.8	6.52	7.8	95% t-statistic UCL
			Iron	3 / 3	16700	16700	57.7	16800	14000	16800	95% t-statistic UCL
			Lead	3 / 3	159	144	18.7	144	144	144	Mean
			RBA Adjusted Lead	3 / 3	169	153	20	153	153	153	Mean
			Manganese	3 / 3	656	642	14	665	556	665	95% t-statistic UCL
			Nickel	3 / 3	19.7	18.5	1.82	21.6	18	21.6	95% t-statistic UCL
			Thallium	3 / 3	0.239	0.227	0.0106	0.245	0.204	0.245	95% t-statistic UCL
			Vanadium	3 / 3	30.2	28.3	2.93	33.2	27.7	33.2	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
163	152	House	Aluminum	3 / 3	14600	14400	200	14700	12300	14700	95% t-statistic UCL
			Antimony	3 / 3	1.39	1.31	0.119	1.51	1.26	1.51	95% t-statistic UCL
			Arsenic	3 / 3	14.8	14	1.08	15.9	13.2	15.9	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.33	4.1	0.315	4.63	3.87	4.63	95% t-statistic UCL
			Cadmium	3 / 3	3.44	3.24	0.251	3.67	3.06	3.67	95% t-statistic UCL
			Chromium	3 / 3	19.6	18.3	1.14	20.2	16.9	20.2	95% t-statistic UCL
			Cobalt	3 / 3	6.62	6.33	0.261	6.77	5.65	6.77	95% t-statistic UCL
			Iron	3 / 3	16100	15900	200	16200	13600	16200	95% t-statistic UCL
			Lead	3 / 3	162	149	14.7	149	149	149	Mean
			RBA Adjusted Lead	3 / 3	172	158	15.6	158	158	158	Mean
			Manganese	3 / 3	597	582	25.1	624	521	624	95% t-statistic UCL
			Nickel	3 / 3	17.6	16.4	1.04	18.2	15.2	18.2	95% t-statistic UCL
			Thallium	3 / 3	0.233	0.226	0.00624	0.237	0.198	0.237	95% t-statistic UCL
			Vanadium	3 / 3	27.2	26.4	0.723	27.6	23	27.6	95% t-statistic UCL
164	154	Agriculture	Aluminum	1 / 1	14100	14100	N/A	16900	14100	16900	Result*CF
			Antimony	1 / 1	1.18	1.18	N/A	1.42	1.18	1.42	Result*CF
			Arsenic	1 / 1	12.8	12.8	N/A	15.4	12.8	15.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.23	3.23	N/A	3.87	3.23	3.87	Result*CF
			Cadmium	1 / 1	2.78	2.78	N/A	3.34	2.79	3.34	Result*CF
			Chromium	1 / 1	18.4	18.4	N/A	22.1	18.4	22.1	Result*CF
			Cobalt	1 / 1	7.56	7.56	N/A	9.07	7.58	9.07	Result*CF
			Iron	1 / 1	17400	17400	N/A	20900	17400	20900	Result*CF
			Lead	1 / 1	124	124	N/A	124	124	124	Mean
			RBA Adjusted Lead	1 / 1	118	118	N/A	118	118	118	Mean
			Manganese	1 / 1	618	618	N/A	742	619	742	Result*CF
			Nickel	1 / 1	17.7	17.7	N/A	21.2	17.7	21.2	Result*CF
			Thallium	1 / 1	0.207	0.207	N/A	0.248	0.207	0.248	Result*CF
			Vanadium	1 / 1	30.5	30.5	N/A	36.6	30.6	36.6	Result*CF
167	155	Agriculture	Aluminum	3 / 3	10300	9990	285	10500	8740	10500	95% t-statistic UCL
			Antimony	3 / 3	0.637	0.601	0.0382	0.666	0.556	0.666	95% t-statistic UCL
			Arsenic	3 / 3	8	7.68	0.444	8.43	7.04	8.43	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.21	2.12	0.122	2.32	1.94	2.32	95% t-statistic UCL
			Cadmium	3 / 3	1.54	1.43	0.157	1.69	1.42	1.69	95% t-statistic UCL
			Chromium	3 / 3	16.4	16.3	0.115	16.5	13.7	16.5	95% t-statistic UCL
			Cobalt	3 / 3	5.33	5.25	0.0764	5.38	4.49	5.38	95% t-statistic UCL
			Iron	3 / 3	14300	14200	153	14400	12000	14400	95% t-statistic UCL
			Lead	3 / 3	72.7	67.1	8.66	67.1	67.1	67.1	Mean
			RBA Adjusted Lead	3 / 3	77.4	71.4	9.22	71.4	71.4	71.4	Mean
			Manganese	3 / 3	390	382	11.4	401	335	401	95% t-statistic UCL
			Nickel	3 / 3	14.9	14.8	0.115	15	12.5	15	95% t-statistic UCL
			Thallium	3 / 3	0.167	0.155	0.0108	0.173	0.144	0.173	95% t-statistic UCL
			Vanadium	3 / 3	21.9	21.3	0.551	22.3	18.6	22.3	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
168	23	House	Aluminum	3 / 3	13100	12800	265	13200	11100	13200	95% t-statistic UCL
			Antimony	3 / 3	3.89	3.69	0.179	4	3.34	4	95% t-statistic UCL
			Arsenic	3 / 3	15.2	14.7	0.416	15.4	12.9	15.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	6.08	5.89	0.166	6.17	5.15	6.17	95% t-statistic UCL
			Cadmium	3 / 3	7.56	7.28	0.35	7.87	6.57	7.87	95% t-statistic UCL
			Chromium	3 / 3	29.2	28.7	0.5	29.5	24.7	29.5	95% t-statistic UCL
			Cobalt	3 / 3	9.02	8.74	0.25	9.16	7.65	9.16	95% t-statistic UCL
			Iron	3 / 3	19200	18900	351	19500	16200	19500	95% t-statistic UCL
			Lead	3 / 3	357	333	20.6	333	333	333	Mean
			RBA Adjusted Lead	3 / 3	392	366	22.7	366	366	366	Mean
			Manganese	3 / 3	915	887	24.1	928	775	928	95% t-statistic UCL
			Nickel	3 / 3	23.5	22.8	0.624	23.9	19.9	23.9	95% t-statistic UCL
			Thallium	3 / 3	0.367	0.352	0.0133	0.375	0.313	0.375	95% t-statistic UCL
			Vanadium	3 / 3	32.6	31.9	0.945	33.5	27.9	33.5	95% t-statistic UCL
169	25	Other -Not Specified	Aluminum	1 / 1	15900	15900	N/A	19100	15900	19100	Result*CF
			Antimony	1 / 1	3.54	3.54	N/A	4.25	3.55	4.25	Result*CF
			Arsenic	1 / 1	15.3	15.3	N/A	18.4	15.3	18.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	4.22	4.22	N/A	5.06	4.23	5.06	Result*CF
			Cadmium	1 / 1	5.06	5.06	N/A	6.07	5.07	6.07	Result*CF
			Chromium	1 / 1	19.7	19.7	N/A	23.6	19.7	23.6	Result*CF
			Cobalt	1 / 1	6.59	6.59	N/A	7.91	6.6	7.91	Result*CF
			Iron	1 / 1	15100	15100	N/A	18100	15100	18100	Result*CF
			Lead	1 / 1	246	246	N/A	246	246	246	Mean
			RBA Adjusted Lead	1 / 1	262	262	N/A	262	262	262	Mean
			Manganese	1 / 1	651	651	N/A	781	652	781	Result*CF
			Nickel	1 / 1	16.5	16.5	N/A	19.8	16.5	19.8	Result*CF
			Thallium	1 / 1	0.331	0.331	N/A	0.397	0.332	0.397	Result*CF
			Vanadium	1 / 1	24.7	24.7	N/A	29.6	24.7	29.6	Result*CF
170[d]	22[d]	House	Aluminum	--	9700	--	--	--	8100	9700	Maximum Backfill
			Antimony	--	0.34	--	--	--	0.284	0.34	Maximum Backfill
			Arsenic	--	3.3	--	--	--	2.76	3.3	Maximum Backfill
			RBA Adjusted Arsenic	--	0.91	--	--	--	0.76	0.91	Maximum Backfill
			Cadmium	--	0.28	--	--	--	0.234	0.28	Maximum Backfill
			Chromium	--	31	--	--	--	25.9	31	Maximum Backfill
			Cobalt	--	5.8	--	--	--	4.84	5.8	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	19	--	--	--	19	19	Maximum Backfill
			RBA Adjusted Lead	--	20.2	--	--	--	20.2	20.2	Maximum Backfill
			Manganese	--	310	--	--	--	259	310	Maximum Backfill
			Nickel	--	21	--	--	--	17.5	21	Maximum Backfill
			Thallium	--	0.11	--	--	--	0.0919	0.11	Maximum Backfill
			Vanadium	--	27	--	--	--	22.5	27	Maximum Backfill

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
175	118	Other -Not Specified	Aluminum	3 / 3	12900	12500	458	13300	11100	13300	95% t-statistic UCL
			Antimony	3 / 3	1.27	1.12	0.132	1.34	1.12	1.34	95% t-statistic UCL
			Arsenic	3 / 3	10.9	10	0.804	11.4	9.48	11.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.35	3.99	0.321	4.53	3.78	4.53	95% t-statistic UCL
			Cadmium	3 / 3	2.8	2.52	0.25	2.94	2.46	2.94	95% t-statistic UCL
			Chromium	3 / 3	17.6	17.1	0.557	18	15.1	18	95% t-statistic UCL
			Cobalt	3 / 3	5.5	5.38	0.188	5.69	4.75	5.69	95% t-statistic UCL
			Iron	3 / 3	14900	14400	557	15300	12800	15300	95% t-statistic UCL
			Lead	3 / 3	177	141	31.8	141	141	141	Mean
			RBA Adjusted Lead	3 / 3	216	171	38.7	171	171	171	Mean
			Manganese	3 / 3	521	466	55.5	560	467	560	95% t-statistic UCL
			Nickel	3 / 3	14.7	14.3	0.321	14.9	12.4	14.9	95% t-statistic UCL
			Thallium	3 / 3	0.184	0.177	0.00656	0.188	0.157	0.188	95% t-statistic UCL
			Vanadium	3 / 3	22.9	22	0.819	23.4	19.5	23.4	95% t-statistic UCL
177	50	Agriculture	Aluminum	3 / 3	12200	12100	153	12300	10300	12300	95% t-statistic UCL
			Antimony	3 / 3	1.66	1.52	0.124	1.73	1.44	1.73	95% t-statistic UCL
			Arsenic	3 / 3	16.2	15.4	0.681	16.6	13.8	16.6	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	5.59	5.33	0.235	5.72	4.78	5.72	95% t-statistic UCL
			Cadmium	3 / 3	3.8	3.52	0.249	3.94	3.29	3.94	95% t-statistic UCL
			Chromium	3 / 3	15.5	15.3	0.208	15.7	13.1	15.7	95% t-statistic UCL
			Cobalt	3 / 3	5.11	5.05	0.0551	5.15	4.3	5.15	95% t-statistic UCL
			Iron	3 / 3	14100	14000	57.7	14100	11800	14100	95% t-statistic UCL
			Lead	3 / 3	181	165	13.8	165	165	165	Mean
			RBA Adjusted Lead	3 / 3	189	173	14.4	173	173	173	Mean
			Manganese	3 / 3	437	435	2.08	439	366	439	95% t-statistic UCL
			Nickel	3 / 3	12.8	12.7	0.153	12.9	10.8	12.9	95% t-statistic UCL
			Thallium	3 / 3	0.228	0.218	0.0095	0.234	0.196	0.234	95% t-statistic UCL
			Vanadium	3 / 3	25.4	25.2	0.404	25.8	21.6	25.8	95% t-statistic UCL
185	31	House	Aluminum	3 / 3	13400	13100	436	13800	11600	13800	95% t-statistic UCL
			Antimony	3 / 3	2.23	1.86	0.326	2.41	2.01	2.41	95% t-statistic UCL
			Arsenic	3 / 3	18	16.3	2.12	19.8	16.6	19.8	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.96	4.48	0.585	5.47	4.57	5.47	95% t-statistic UCL
			Cadmium	3 / 3	3.54	3.31	0.387	3.96	3.31	3.96	95% t-statistic UCL
			Chromium	3 / 3	37.8	36.9	0.781	38.2	31.9	38.2	95% t-statistic UCL
			Cobalt	3 / 3	10.7	10.4	0.252	10.9	9.07	10.9	95% t-statistic UCL
			Iron	3 / 3	22100	21700	404	22300	18700	22300	95% t-statistic UCL
			Lead	3 / 3	195	185	10.5	185	185	185	Mean
			RBA Adjusted Lead	3 / 3	208	197	11.2	197	197	197	Mean
			Manganese	3 / 3	545	508	34.4	566	473	566	95% t-statistic UCL
			Nickel	3 / 3	24.2	23.7	0.503	24.6	20.5	24.6	95% t-statistic UCL
			Thallium	3 / 3	0.299	0.289	0.00889	0.304	0.254	0.304	95% t-statistic UCL
			Vanadium	3 / 3	50.6	49.4	1.08	51.2	42.7	51.2	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
186	58	House	Aluminum	3 / 3	8980	8670	315	9200	7680	9200	95% t-statistic UCL
			Antimony	3 / 3	2.03	1.92	0.105	2.1	1.75	2.1	95% t-statistic UCL
			Arsenic	3 / 3	13.1	12.1	1.23	14.1	11.8	14.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.99	3.68	0.376	4.31	3.6	4.31	95% t-statistic UCL
			Cadmium	3 / 3	4.7	4.42	0.418	5.12	4.28	5.12	95% t-statistic UCL
			Chromium	3 / 3	23.8	23	0.721	24.2	20.2	24.2	95% t-statistic UCL
			Cobalt	3 / 3	7.04	6.8	0.256	7.23	6.04	7.23	95% t-statistic UCL
			Iron	3 / 3	15300	15100	289	15600	13000	15600	95% t-statistic UCL
			Lead	3 / 3	202	199	3	199	199	199	Mean
			RBA Adjusted Lead	3 / 3	246	242	3.65	242	242	242	Mean
			Manganese	3 / 3	464	423	37.2	486	406	486	95% t-statistic UCL
			Nickel	3 / 3	17.8	17.2	0.737	18.5	15.4	18.5	95% t-statistic UCL
			Thallium	3 / 3	0.27	0.26	0.0142	0.284	0.237	0.284	95% t-statistic UCL
			Vanadium	3 / 3	28.7	28	0.586	29	24.2	29	95% t-statistic UCL
189	102	House	Aluminum	3 / 3	20800	20300	757	21500	18000	21500	95% t-statistic UCL
			Antimony	3 / 3	1.78	1.65	0.136	1.88	1.57	1.88	95% t-statistic UCL
			Arsenic	3 / 3	17.4	15.8	1.37	18.1	15.1	18.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	5.25	4.78	0.412	5.47	4.57	5.47	95% t-statistic UCL
			Cadmium	3 / 3	3.37	3.07	0.317	3.61	3.01	3.61	95% t-statistic UCL
			Chromium	3 / 3	30	28.1	1.69	30.9	25.8	30.9	95% t-statistic UCL
			Cobalt	3 / 3	8.5	8.19	0.286	8.67	7.24	8.67	95% t-statistic UCL
			Iron	3 / 3	20400	20100	361	20700	17300	20700	95% t-statistic UCL
			Lead	3 / 3	160	136	21	136	136	136	Mean
			RBA Adjusted Lead	3 / 3	181	154	23.8	154	154	154	Mean
			Manganese	3 / 3	568	564	3.46	570	476	570	95% t-statistic UCL
			Nickel	3 / 3	23.3	22.2	0.954	23.8	19.9	23.8	95% t-statistic UCL
			Thallium	3 / 3	0.29	0.288	0.00321	0.293	0.245	0.293	95% t-statistic UCL
			Vanadium	3 / 3	37.8	36	1.9	39.2	32.7	39.2	95% t-statistic UCL
192	46	House	Aluminum	1 / 1	9200	9200	N/A	11000	9220	11000	Result*CF
			Antimony	1 / 1	1.87	1.87	N/A	2.24	1.87	2.24	Result*CF
			Arsenic	1 / 1	14.5	14.5	N/A	17.4	14.5	17.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.61	3.61	N/A	4.33	3.62	4.33	Result*CF
			Cadmium	1 / 1	4.18	4.18	N/A	5.02	4.19	5.02	Result*CF
			Chromium	1 / 1	28.8	28.8	N/A	34.6	28.9	34.6	Result*CF
			Cobalt	1 / 1	9.4	9.4	N/A	11.3	9.42	11.3	Result*CF
			Iron	1 / 1	18100	18100	N/A	21700	18100	21700	Result*CF
			Lead	1 / 1	242	242	N/A	242	242	242	Mean
			RBA Adjusted Lead	1 / 1	262	262	N/A	262	262	262	Mean
			Manganese	1 / 1	538	538	N/A	646	539	646	Result*CF
			Nickel	1 / 1	27.2	27.2	N/A	32.6	27.3	32.6	Result*CF
			Thallium	1 / 1	0.299	0.299	N/A	0.359	0.3	0.359	Result*CF
			Vanadium	1 / 1	37	37	N/A	44.4	37.1	44.4	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
193	62	House	Aluminum	3 / 3	15600	15000	651	16100	13400	16100	95% t-statistic UCL
			Antimony	3 / 3	2.9	2.66	0.223	3.04	2.53	3.04	95% t-statistic UCL
			Arsenic	3 / 3	12.8	11.9	1.14	13.8	11.5	13.8	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.53	3.27	0.313	3.8	3.17	3.8	95% t-statistic UCL
			Cadmium	3 / 3	3.02	2.85	0.17	3.13	2.62	3.13	95% t-statistic UCL
			Chromium	3 / 3	21	20.7	0.3	21.2	17.7	21.2	95% t-statistic UCL
			Cobalt	3 / 3	6.09	5.93	0.233	6.32	5.28	6.32	95% t-statistic UCL
			Iron	3 / 3	17800	17300	451	18100	15100	18100	95% t-statistic UCL
			Lead	3 / 3	139	132	10.2	132	132	132	Mean
			RBA Adjusted Lead	3 / 3	148	140	10.9	140	140	140	Mean
			Manganese	3 / 3	382	374	13	396	331	396	95% t-statistic UCL
			Nickel	3 / 3	14.9	14.6	0.252	15.1	12.6	15.1	95% t-statistic UCL
			Thallium	3 / 3	0.309	0.281	0.0244	0.322	0.269	0.322	95% t-statistic UCL
			Vanadium	3 / 3	34.8	34	0.917	35.5	29.7	35.5	95% t-statistic UCL
194[d]	64[d]	House	Aluminum	--	14000	--	--	--	11700	14000	Maximum Backfill
			Antimony	--	0.75	--	--	--	0.626	0.75	Maximum Backfill
			Arsenic	--	6.6	--	--	--	5.51	6.6	Maximum Backfill
			RBA Adjusted Arsenic	--	1.82	--	--	--	1.52	1.82	Maximum Backfill
			Cadmium	--	0.71	--	--	--	0.593	0.71	Maximum Backfill
			Chromium	--	12	--	--	--	10	12	Maximum Backfill
			Cobalt	--	11	--	--	--	9.19	11	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	12	--	--	--	12	12	Maximum Backfill
			RBA Adjusted Lead	--	12.8	--	--	--	12.8	12.8	Maximum Backfill
			Manganese	--	770	--	--	--	643	770	Maximum Backfill
			Nickel	--	25	--	--	--	20.9	25	Maximum Backfill
			Thallium	--	0.105	--	--	--	0.0877	0.105	Maximum Backfill
			Vanadium	--	19	--	--	--	15.9	19	Maximum Backfill
196[d]	80[d]	House	Aluminum	--	14000	--	--	--	11700	14000	Maximum Backfill
			Antimony	--	0.75	--	--	--	0.626	0.75	Maximum Backfill
			Arsenic	--	6.6	--	--	--	5.51	6.6	Maximum Backfill
			RBA Adjusted Arsenic	--	1.82	--	--	--	1.52	1.82	Maximum Backfill
			Cadmium	--	0.71	--	--	--	0.593	0.71	Maximum Backfill
			Chromium	--	12	--	--	--	10	12	Maximum Backfill
			Cobalt	--	11	--	--	--	9.19	11	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	12	--	--	--	12	12	Maximum Backfill
			RBA Adjusted Lead	--	12.8	--	--	--	12.8	12.8	Maximum Backfill
			Manganese	--	770	--	--	--	643	770	Maximum Backfill
			Nickel	--	25	--	--	--	20.9	25	Maximum Backfill
			Thallium	--	0.105	--	--	--	0.0877	0.105	Maximum Backfill
			Vanadium	--	19	--	--	--	15.9	19	Maximum Backfill

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
9	12	Agriculture	Aluminum	3 / 3	18900	18400	458	19200	16000	19200	95% t-statistic UCL
			Antimony	3 / 3	1.68	1.61	0.0751	1.73	1.45	1.73	95% t-statistic UCL
			Arsenic	3 / 3	13	12.7	0.3	13.2	11	13.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.58	3.5	0.0827	3.64	3.04	3.64	95% t-statistic UCL
			Cadmium	3 / 3	2.31	2.25	0.0557	2.34	1.96	2.34	95% t-statistic UCL
			Chromium	3 / 3	19.1	18.9	0.252	19.3	16.1	19.3	95% t-statistic UCL
			Cobalt	3 / 3	7.09	7.05	0.0404	7.11	5.94	7.11	95% t-statistic UCL
			Iron	3 / 3	17000	16900	173	17200	14400	17200	95% t-statistic UCL
			Lead	3 / 3	89.7	86.2	3.12	86.2	86.2	86.2	Mean
			RBA Adjusted Lead	3 / 3	95.5	91.8	3.32	91.8	91.8	91.8	Mean
			Manganese	3 / 3	618	602	17.7	632	528	632	95% t-statistic UCL
			Nickel	3 / 3	14.4	14.2	0.173	14.5	12.1	14.5	95% t-statistic UCL
			Thallium	3 / 3	0.203	0.198	0.00503	0.207	0.173	0.207	95% t-statistic UCL
			Vanadium	3 / 3	29.8	29.6	0.2	29.9	25	29.9	95% t-statistic UCL
203[d]	36[d]	House	Aluminum	--	14000	--	--	--	11700	14000	Maximum Backfill
			Antimony	--	0.75	--	--	--	0.626	0.75	Maximum Backfill
			Arsenic	--	6.6	--	--	--	5.51	6.6	Maximum Backfill
			RBA Adjusted Arsenic	--	1.82	--	--	--	1.52	1.82	Maximum Backfill
			Cadmium	--	0.71	--	--	--	0.593	0.71	Maximum Backfill
			Chromium	--	12	--	--	--	10	12	Maximum Backfill
			Cobalt	--	11	--	--	--	9.19	11	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	12	--	--	--	12	12	Maximum Backfill
			RBA Adjusted Lead	--	12.8	--	--	--	12.8	12.8	Maximum Backfill
			Manganese	--	770	--	--	--	643	770	Maximum Backfill
			Nickel	--	25	--	--	--	20.9	25	Maximum Backfill
			Thallium	--	0.105	--	--	--	0.0877	0.105	Maximum Backfill
			Vanadium	--	19	--	--	--	15.9	19	Maximum Backfill
206	139	House	Aluminum	3 / 3	11900	11800	231	12200	10200	12200	95% t-statistic UCL
			Antimony	3 / 3	1.78	1.7	0.114	1.89	1.58	1.89	95% t-statistic UCL
			Arsenic	3 / 3	10.3	9.94	0.355	10.5	8.8	10.5	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.17	3.06	0.109	3.25	2.71	3.25	95% t-statistic UCL
			Cadmium	3 / 3	3.06	2.94	0.153	3.2	2.67	3.2	95% t-statistic UCL
			Chromium	3 / 3	23	22.4	0.896	23.9	20	23.9	95% t-statistic UCL
			Cobalt	3 / 3	7.06	6.94	0.188	7.25	6.06	7.25	95% t-statistic UCL
			Iron	3 / 3	15700	15300	400	16000	13300	16000	95% t-statistic UCL
			Lead	3 / 3	134	126	9.71	126	126	126	Mean
			RBA Adjusted Lead	3 / 3	152	142	11	142	142	142	Mean
			Manganese	3 / 3	441	439	2.65	443	370	443	95% t-statistic UCL
			Nickel	3 / 3	17.3	17.1	0.208	17.4	14.5	17.4	95% t-statistic UCL
			Thallium	3 / 3	0.229	0.218	0.00964	0.234	0.196	0.234	95% t-statistic UCL
			Vanadium	3 / 3	29.6	28.7	1.33	31	25.9	31	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
208	140	Other -Not Specified	Aluminum	3 / 3	13100	12700	321	13300	11100	13300	95% t-statistic UCL
			Antimony	3 / 3	4.57	2.59	1.72	5.49	4.58	5.49	95% t-statistic UCL
			Arsenic	3 / 3	16.1	15.5	0.529	16.4	13.7	16.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.44	4.27	0.146	4.52	3.77	4.52	95% t-statistic UCL
			Cadmium	3 / 3	3.76	3.6	0.182	3.9	3.26	3.9	95% t-statistic UCL
			Chromium	3 / 3	33.3	32.7	0.493	33.6	28	33.6	95% t-statistic UCL
			Cobalt	3 / 3	9.9	9.42	0.416	10.1	8.45	10.1	95% t-statistic UCL
			Iron	3 / 3	21000	20500	462	21200	17700	21200	95% t-statistic UCL
			Lead	3 / 3	164	152	10.6	152	152	152	Mean
			RBA Adjusted Lead	3 / 3	175	162	11.3	162	162	162	Mean
			Manganese	3 / 3	655	632	20.2	666	556	666	95% t-statistic UCL
			Nickel	3 / 3	21.3	20.4	0.833	21.8	18.2	21.8	95% t-statistic UCL
			Thallium	3 / 3	0.248	0.242	0.00709	0.254	0.212	0.254	95% t-statistic UCL
			Vanadium	3 / 3	43.3	41.5	1.59	44.2	36.9	44.2	95% t-statistic UCL
213	146	Other -Not Specified	Aluminum	1 / 1	11900	11900	N/A	14300	11900	14300	Result*CF
			Antimony	1 / 1	4.04	4.04	N/A	4.85	4.05	4.85	Result*CF
			Arsenic	1 / 1	17.7	17.7	N/A	21.2	17.7	21.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	6.25	6.25	N/A	7.5	6.26	7.5	Result*CF
			Cadmium	1 / 1	6.58	6.58	N/A	7.9	6.59	7.9	Result*CF
			Chromium	1 / 1	18.1	18.1	N/A	21.7	18.1	21.7	Result*CF
			Cobalt	1 / 1	5.73	5.73	N/A	6.88	5.74	6.88	Result*CF
			Iron	1 / 1	13800	13800	N/A	16600	13800	16600	Result*CF
			Lead	1 / 1	358	358	N/A	358	358	358	Mean
			RBA Adjusted Lead	1 / 1	440	440	N/A	440	440	440	Mean
			Manganese	1 / 1	545	545	N/A	654	546	654	Result*CF
			Nickel	1 / 1	14	14	N/A	16.8	14	16.8	Result*CF
			Thallium	1 / 1	0.357	0.357	N/A	0.428	0.358	0.428	Result*CF
			Vanadium	1 / 1	23.9	23.9	N/A	28.7	23.9	28.7	Result*CF
216	20	House	Aluminum	3 / 3	16700	16400	416	17100	14300	17100	95% t-statistic UCL
			Antimony	3 / 3	4.01	3.74	0.25	4.16	3.47	4.16	95% t-statistic UCL
			Arsenic	3 / 3	19.7	17.1	2.29	20.9	17.5	20.9	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	5.31	4.6	0.616	5.64	4.71	5.64	95% t-statistic UCL
			Cadmium	3 / 3	5.96	5.82	0.24	6.22	5.19	6.22	95% t-statistic UCL
			Chromium	3 / 3	19.7	19.3	0.4	20	16.7	20	95% t-statistic UCL
			Cobalt	3 / 3	6.3	6.17	0.135	6.4	5.34	6.4	95% t-statistic UCL
			Iron	3 / 3	16400	16300	173	16600	13900	16600	95% t-statistic UCL
			Lead	3 / 3	286	270	16	270	270	270	Mean
			RBA Adjusted Lead	3 / 3	329	310	18.4	310	310	310	Mean
			Manganese	3 / 3	573	544	25.9	587	490	587	95% t-statistic UCL
			Nickel	3 / 3	12.9	12.6	0.265	13	10.9	13	95% t-statistic UCL
			Thallium	3 / 3	0.342	0.327	0.0133	0.349	0.291	0.349	95% t-statistic UCL
			Vanadium	3 / 3	31.4	31.1	0.289	31.6	26.3	31.6	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
218[d]	182[d]	House	Aluminum	--	14000	--	--	--	11700	14000	Maximum Backfill
			Antimony	--	0.75	--	--	--	0.626	0.75	Maximum Backfill
			Arsenic	--	6.6	--	--	--	5.51	6.6	Maximum Backfill
			RBA Adjusted Arsenic	--	1.82	--	--	--	1.52	1.82	Maximum Backfill
			Cadmium	--	0.71	--	--	--	0.593	0.71	Maximum Backfill
			Chromium	--	12	--	--	--	10	12	Maximum Backfill
			Cobalt	--	11	--	--	--	9.19	11	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	12	--	--	--	12	12	Maximum Backfill
			RBA Adjusted Lead	--	12.8	--	--	--	12.8	12.8	Maximum Backfill
			Manganese	--	770	--	--	--	643	770	Maximum Backfill
			Nickel	--	25	--	--	--	20.9	25	Maximum Backfill
			Thallium	--	0.105	--	--	--	0.0877	0.105	Maximum Backfill
			Vanadium	--	19	--	--	--	15.9	19	Maximum Backfill
229	78	Play Area	Aluminum	3 / 3	9570	9390	175	9690	8090	9690	95% t-statistic UCL
			Antimony	3 / 3	0.539	0.491	0.0419	0.561	0.469	0.561	95% t-statistic UCL
			Arsenic	3 / 3	5.61	5.45	0.16	5.72	4.78	5.72	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.55	1.5	0.0441	1.58	1.32	1.58	95% t-statistic UCL
			Cadmium	3 / 3	0.856	0.796	0.0536	0.886	0.74	0.886	95% t-statistic UCL
			Chromium	3 / 3	22	21.8	0.153	22.1	18.4	22.1	95% t-statistic UCL
			Cobalt	3 / 3	6.23	6.11	0.104	6.29	5.25	6.29	95% t-statistic UCL
			Iron	3 / 3	15500	15300	208	15600	13000	15600	95% t-statistic UCL
			Lead	3 / 3	52.3	45.6	6.65	45.6	45.6	45.6	Mean
			RBA Adjusted Lead	3 / 3	55.7	48.6	7.08	48.6	48.6	48.6	Mean
			Manganese	3 / 3	252	244	10	261	218	261	95% t-statistic UCL
			Nickel	3 / 3	16.1	16	0.173	16.3	13.6	16.3	95% t-statistic UCL
			Thallium	3 / 3	0.175	0.171	0.00351	0.177	0.148	0.177	95% t-statistic UCL
			Vanadium	3 / 3	30.6	30.1	0.551	31	25.9	31	95% t-statistic UCL
231	28	House	Aluminum	3 / 3	20200	19800	321	20400	17000	20400	95% t-statistic UCL
			Antimony	3 / 3	1.67	1.56	0.149	1.81	1.51	1.81	95% t-statistic UCL
			Arsenic	3 / 3	14.5	13.3	1.11	15.2	12.7	15.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.64	4.26	0.356	4.86	4.05	4.86	95% t-statistic UCL
			Cadmium	3 / 3	2.8	2.63	0.2	2.97	2.48	2.97	95% t-statistic UCL
			Chromium	3 / 3	15.1	14.5	0.551	15.4	12.9	15.4	95% t-statistic UCL
			Cobalt	3 / 3	5.61	5.47	0.123	5.68	4.74	5.68	95% t-statistic UCL
			Iron	3 / 3	16100	16000	115	16200	13500	16200	95% t-statistic UCL
			Lead	3 / 3	116	107	9.7	107	107	107	Mean
			RBA Adjusted Lead	3 / 3	136	125	11.4	125	125	125	Mean
			Manganese	3 / 3	480	461	16.8	489	408	489	95% t-statistic UCL
			Nickel	3 / 3	12.7	12.6	0.1	12.8	10.7	12.8	95% t-statistic UCL
			Thallium	3 / 3	0.227	0.219	0.00802	0.232	0.194	0.232	95% t-statistic UCL
			Vanadium	3 / 3	28.1	27.5	0.529	28.4	23.7	28.4	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
246	87	Play Area	Aluminum	3 / 3	7590	7260	464	8040	6710	8040	95% t-statistic UCL
			Antimony	3 / 3	0.451	0.416	0.0372	0.479	0.4	0.479	95% t-statistic UCL
			Arsenic	3 / 3	3.82	3.55	0.24	3.95	3.3	3.95	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.05	0.978	0.0662	1.09	0.909	1.09	95% t-statistic UCL
			Cadmium	3 / 3	0.904	0.858	0.0641	0.966	0.807	0.966	95% t-statistic UCL
			Chromium	3 / 3	17.9	17.3	0.603	18.3	15.3	18.3	95% t-statistic UCL
			Cobalt	3 / 3	5.43	5.18	0.225	5.56	4.64	5.56	95% t-statistic UCL
			Iron	3 / 3	13300	13100	404	13700	11500	13700	95% t-statistic UCL
			Lead	3 / 3	28.8	27.4	1.58	27.4	27.4	27.4	Mean
			RBA Adjusted Lead	3 / 3	30.7	29.2	1.68	29.2	29.2	29.2	Mean
			Manganese	3 / 3	225	213	10.6	231	193	231	95% t-statistic UCL
			Nickel	3 / 3	16.1	15.2	0.781	16.5	13.8	16.5	95% t-statistic UCL
			Thallium	3 / 3	0.121	0.117	0.00529	0.126	0.105	0.126	95% t-statistic UCL
			Vanadium	3 / 3	25.1	24.6	0.436	25.3	21.2	25.3	95% t-statistic UCL
249	178	Other -Not Specified	Aluminum	3 / 3	11900	11900	57.7	12000	9990	12000	95% t-statistic UCL
			Antimony	3 / 3	1.36	1.3	0.0493	1.39	1.16	1.39	95% t-statistic UCL
			Arsenic	3 / 3	9.21	8.9	0.296	9.4	7.85	9.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.54	2.45	0.0816	2.59	2.16	2.59	95% t-statistic UCL
			Cadmium	3 / 3	1.67	1.6	0.0808	1.73	1.45	1.73	95% t-statistic UCL
			Chromium	3 / 3	16.9	16.6	0.462	17.4	14.5	17.4	95% t-statistic UCL
			Cobalt	3 / 3	5.19	5.11	0.122	5.32	4.44	5.32	95% t-statistic UCL
			Iron	3 / 3	13700	13600	57.7	13700	11500	13700	95% t-statistic UCL
			Lead	3 / 3	86	80.7	5.8	80.7	80.7	80.7	Mean
			RBA Adjusted Lead	3 / 3	91.6	85.9	6.18	85.9	85.9	85.9	Mean
			Manganese	3 / 3	369	365	4	372	310	372	95% t-statistic UCL
			Nickel	3 / 3	13	12.7	0.306	13.2	11	13.2	95% t-statistic UCL
			Thallium	3 / 3	0.18	0.175	0.00503	0.184	0.153	0.184	95% t-statistic UCL
			Vanadium	3 / 3	23.6	23.2	0.458	24	20	24	95% t-statistic UCL
250	179	House	Aluminum	3 / 3	12100	12000	153	12200	10200	12200	95% t-statistic UCL
			Antimony	3 / 3	1.72	1.56	0.165	1.84	1.54	1.84	95% t-statistic UCL
			Arsenic	3 / 3	11	10.5	0.77	11.8	9.86	11.8	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.68	3.52	0.258	3.95	3.3	3.95	95% t-statistic UCL
			Cadmium	3 / 3	2.17	1.87	0.258	2.31	1.93	2.31	95% t-statistic UCL
			Chromium	3 / 3	17.2	16.8	0.379	17.4	14.5	17.4	95% t-statistic UCL
			Cobalt	3 / 3	5.31	5.23	0.07	5.35	4.47	5.35	95% t-statistic UCL
			Iron	3 / 3	13600	13500	57.7	13600	11400	13600	95% t-statistic UCL
			Lead	3 / 3	99.6	92.6	9.88	92.6	92.6	92.6	Mean
			RBA Adjusted Lead	3 / 3	99.1	92.2	9.83	92.2	92.2	92.2	Mean
			Manganese	3 / 3	445	423	23.7	463	387	463	95% t-statistic UCL
			Nickel	3 / 3	12.6	12.5	0.173	12.8	10.7	12.8	95% t-statistic UCL
			Thallium	3 / 3	0.199	0.189	0.00874	0.204	0.17	0.204	95% t-statistic UCL
			Vanadium	3 / 3	22.7	22.4	0.351	23	19.2	23	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
253	39	House	Aluminum	3 / 3	8730	8690	51.3	8770	7330	8770	95% t-statistic UCL
			Antimony	3 / 3	1.02	0.959	0.071	1.08	0.901	1.08	95% t-statistic UCL
			Arsenic	3 / 3	8.69	8.07	0.566	9.02	7.54	9.02	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.99	1.85	0.13	2.07	1.73	2.07	95% t-statistic UCL
			Cadmium	3 / 3	2.46	2.33	0.197	2.66	2.22	2.66	95% t-statistic UCL
			Chromium	3 / 3	20.1	20	0.173	20.3	16.9	20.3	95% t-statistic UCL
			Cobalt	3 / 3	6.03	6	0.0231	6.04	5.05	6.04	95% t-statistic UCL
			Iron	3 / 3	15800	15700	100	15900	13300	15900	95% t-statistic UCL
			Lead	3 / 3	110	104	8.6	104	104	104	Mean
			RBA Adjusted Lead	3 / 3	116	110	9.09	110	110	110	Mean
			Manganese	3 / 3	325	323	2.89	328	274	328	95% t-statistic UCL
			Nickel	3 / 3	14.5	14.4	0.1	14.6	12.2	14.6	95% t-statistic UCL
			Thallium	3 / 3	0.224	0.215	0.0114	0.234	0.195	0.234	95% t-statistic UCL
			Vanadium	3 / 3	28.1	28	0.115	28.2	23.6	28.2	95% t-statistic UCL
280	84	Other -Not Specified	Aluminum	3 / 3	13100	12900	208	13200	11000	13200	95% t-statistic UCL
			Antimony	3 / 3	3.54	3.02	0.447	3.78	3.15	3.78	95% t-statistic UCL
			Arsenic	3 / 3	20.8	20.5	0.265	20.9	17.5	20.9	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	5.65	5.57	0.0719	5.69	4.75	5.69	95% t-statistic UCL
			Cadmium	3 / 3	7.63	7.33	0.268	7.78	6.5	7.78	95% t-statistic UCL
			Chromium	3 / 3	30.3	28.7	1.82	31.7	26.5	31.7	95% t-statistic UCL
			Cobalt	3 / 3	10	9.79	0.289	10.3	8.58	10.3	95% t-statistic UCL
			Iron	3 / 3	19500	19000	557	19900	16600	19900	95% t-statistic UCL
			Lead	3 / 3	339	326	20	326	326	326	Mean
			RBA Adjusted Lead	3 / 3	382	367	22.5	367	367	367	Mean
			Manganese	3 / 3	948	919	26.1	963	804	963	95% t-statistic UCL
			Nickel	3 / 3	22.9	21.9	1.23	23.9	20	23.9	95% t-statistic UCL
			Thallium	3 / 3	0.336	0.325	0.0115	0.344	0.288	0.344	95% t-statistic UCL
			Vanadium	3 / 3	35.1	32.6	2.14	36.2	30.3	36.2	95% t-statistic UCL
287	159	Agriculture	Aluminum	3 / 3	26700	24600	1790	27700	23100	27700	95% t-statistic UCL
			Antimony	3 / 3	3.11	2.87	0.218	3.24	2.71	3.24	95% t-statistic UCL
			Arsenic	3 / 3	16.5	15.4	1	17.1	14.2	17.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.41	2.25	0.146	2.49	2.08	2.49	95% t-statistic UCL
			Cadmium	3 / 3	5.23	4.96	0.248	5.38	4.49	5.38	95% t-statistic UCL
			Chromium	3 / 3	18.9	16.6	2.01	20	16.7	20	95% t-statistic UCL
			Cobalt	3 / 3	7.37	6.78	0.516	7.65	6.39	7.65	95% t-statistic UCL
			Iron	3 / 3	17200	15700	1270	17900	14900	17900	95% t-statistic UCL
			Lead	3 / 3	189	176	11.2	176	176	176	Mean
			RBA Adjusted Lead	3 / 3	161	150	9.5	150	150	150	Mean
			Manganese	3 / 3	691	638	45.9	715	597	715	95% t-statistic UCL
			Nickel	3 / 3	14.8	13.2	1.39	15.5	13	15.5	95% t-statistic UCL
			Thallium	3 / 3	0.324	0.305	0.0185	0.337	0.281	0.337	95% t-statistic UCL
			Vanadium	3 / 3	36.8	33.3	3	38.4	32.1	38.4	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
288	160	House	Aluminum	3 / 3	7900	7740	197	8070	6740	8070	95% t-statistic UCL
			Antimony	3 / 3	0.704	0.674	0.0399	0.742	0.619	0.742	95% t-statistic UCL
			Arsenic	3 / 3	5.99	5.77	0.236	6.16	5.15	6.16	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.65	1.59	0.065	1.7	1.42	1.7	95% t-statistic UCL
			Cadmium	3 / 3	1.86	1.75	0.105	1.93	1.61	1.93	95% t-statistic UCL
			Chromium	3 / 3	21.3	20.5	0.755	21.8	18.2	21.8	95% t-statistic UCL
			Cobalt	3 / 3	6.27	6.06	0.221	6.43	5.37	6.43	95% t-statistic UCL
			Iron	3 / 3	14800	14500	351	15100	12600	15100	95% t-statistic UCL
			Lead	3 / 3	66.3	64	1.99	64	64	64	Mean
			RBA Adjusted Lead	3 / 3	70.6	68.2	2.12	68.2	68.2	68.2	Mean
			Manganese	3 / 3	328	320	8.02	334	279	334	95% t-statistic UCL
			Nickel	3 / 3	17.2	16.6	0.709	17.8	14.8	17.8	95% t-statistic UCL
			Thallium	3 / 3	0.177	0.168	0.00751	0.181	0.151	0.181	95% t-statistic UCL
			Vanadium	3 / 3	27.2	26.4	0.764	27.7	23.1	27.7	95% t-statistic UCL
291	164	Agriculture	Aluminum	3 / 3	7740	7400	350	7990	6670	7990	95% t-statistic UCL
			Antimony	3 / 3	0.92	0.879	0.0384	0.944	0.788	0.944	95% t-statistic UCL
			Arsenic	3 / 3	5.18	5.02	0.151	5.27	4.4	5.27	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.43	1.38	0.0416	1.45	1.21	1.45	95% t-statistic UCL
			Cadmium	3 / 3	1.69	1.61	0.0751	1.74	1.45	1.74	95% t-statistic UCL
			Chromium	3 / 3	19	18.1	0.862	19.5	16.3	19.5	95% t-statistic UCL
			Cobalt	3 / 3	5.19	5.03	0.136	5.26	4.39	5.26	95% t-statistic UCL
			Iron	3 / 3	13200	12900	306	13400	11200	13400	95% t-statistic UCL
			Lead	3 / 3	77.3	72.8	4.31	72.8	72.8	72.8	Mean
			RBA Adjusted Lead	3 / 3	82.3	77.6	4.59	77.6	77.6	77.6	Mean
			Manganese	3 / 3	270	263	7.02	275	230	275	95% t-statistic UCL
			Nickel	3 / 3	13.3	12.8	0.416	13.5	11.3	13.5	95% t-statistic UCL
			Thallium	3 / 3	0.194	0.188	0.00929	0.203	0.17	0.203	95% t-statistic UCL
			Vanadium	3 / 3	23.7	23.1	0.603	24.1	20.1	24.1	95% t-statistic UCL
306	172	Other -Not Specified	Aluminum	3 / 3	8140	8020	107	8200	6840	8200	95% t-statistic UCL
			Antimony	3 / 3	0.916	0.889	0.0261	0.933	0.779	0.933	95% t-statistic UCL
			Arsenic	3 / 3	7.39	7.16	0.235	7.56	6.31	7.56	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.04	1.97	0.0648	2.08	1.74	2.08	95% t-statistic UCL
			Cadmium	3 / 3	1.81	1.76	0.0462	1.83	1.53	1.83	95% t-statistic UCL
			Chromium	3 / 3	19.2	19	0.252	19.4	16.2	19.4	95% t-statistic UCL
			Cobalt	3 / 3	5.93	5.86	0.0643	5.97	4.98	5.97	95% t-statistic UCL
			Iron	3 / 3	14100	14000	100	14200	11800	14200	95% t-statistic UCL
			Lead	3 / 3	82	80.9	1.33	80.9	80.9	80.9	Mean
			RBA Adjusted Lead	3 / 3	87.3	86.1	1.42	86.1	86.1	86.1	Mean
			Manganese	3 / 3	301	297	5.13	305	255	305	95% t-statistic UCL
			Nickel	3 / 3	15.3	15	0.289	15.5	12.9	15.5	95% t-statistic UCL
			Thallium	3 / 3	0.193	0.189	0.00379	0.195	0.163	0.195	95% t-statistic UCL
			Vanadium	3 / 3	28.8	28.4	0.586	29.4	24.5	29.4	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
315	173	House	Aluminum	3 / 3	11900	11300	603	12300	10300	12300	95% t-statistic UCL
			Antimony	3 / 3	0.479	0.442	0.0361	0.502	0.42	0.502	95% t-statistic UCL
			Arsenic	3 / 3	7.3	6.86	0.389	7.51	6.27	7.51	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.01	1.89	0.107	2.07	1.73	2.07	95% t-statistic UCL
			Cadmium	3 / 3	0.825	0.793	0.0353	0.852	0.712	0.852	95% t-statistic UCL
			Chromium	3 / 3	28	27.7	0.436	28.4	23.7	28.4	95% t-statistic UCL
			Cobalt	3 / 3	7.98	7.78	0.18	8.08	6.75	8.08	95% t-statistic UCL
			Iron	3 / 3	18800	18700	57.7	18800	15700	18800	95% t-statistic UCL
			Lead	3 / 3	37.8	35.4	2.19	35.4	35.4	35.4	Mean
			RBA Adjusted Lead	3 / 3	40.3	37.7	2.34	37.7	37.7	37.7	Mean
			Manganese	3 / 3	405	398	6.08	408	341	408	95% t-statistic UCL
			Nickel	3 / 3	24.5	23.8	0.611	24.9	20.8	24.9	95% t-statistic UCL
			Thallium	3 / 3	0.163	0.155	0.00802	0.169	0.141	0.169	95% t-statistic UCL
			Vanadium	3 / 3	34.7	33.8	0.902	35.4	29.5	35.4	95% t-statistic UCL
316	174	Other -Not Specified	Aluminum	3 / 3	13500	13200	379	13900	11600	13900	95% t-statistic UCL
			Antimony	3 / 3	1.62	1.43	0.164	1.71	1.43	1.71	95% t-statistic UCL
			Arsenic	3 / 3	9.01	8.72	0.474	9.52	7.95	9.52	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.93	1.87	0.101	2.04	1.7	2.04	95% t-statistic UCL
			Cadmium	3 / 3	2.92	2.63	0.281	3.1	2.59	3.1	95% t-statistic UCL
			Chromium	3 / 3	27.2	26.3	0.833	27.7	23.1	27.7	95% t-statistic UCL
			Cobalt	3 / 3	8.38	8.21	0.188	8.53	7.12	8.53	95% t-statistic UCL
			Iron	3 / 3	18100	17800	289	18300	15200	18300	95% t-statistic UCL
			Lead	3 / 3	115	101	13.5	101	101	101	Mean
			RBA Adjusted Lead	3 / 3	120	105	14.1	105	105	105	Mean
			Manganese	3 / 3	634	614	30.4	665	556	665	95% t-statistic UCL
			Nickel	3 / 3	21.7	21	0.764	22.3	18.6	22.3	95% t-statistic UCL
			Thallium	3 / 3	0.237	0.23	0.00666	0.241	0.201	0.241	95% t-statistic UCL
			Vanadium	3 / 3	33.8	32.8	0.907	34.3	28.6	34.3	95% t-statistic UCL
317	111	House	Aluminum	1 / 1	9620	9620	N/A	11500	9640	11500	Result*CF
			Antimony	1 / 1	1.96	1.96	N/A	2.35	1.96	2.35	Result*CF
			Arsenic	1 / 1	19.3	19.3	N/A	23.2	19.3	23.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	5.32	5.32	N/A	6.38	5.33	6.38	Result*CF
			Cadmium	1 / 1	4.86	4.86	N/A	5.83	4.87	5.83	Result*CF
			Chromium	1 / 1	30.8	30.8	N/A	37	30.9	37	Result*CF
			Cobalt	1 / 1	8.6	8.6	N/A	10.3	8.62	10.3	Result*CF
			Iron	1 / 1	18100	18100	N/A	21700	18100	21700	Result*CF
			Lead	1 / 1	214	214	N/A	214	214	214	Mean
			RBA Adjusted Lead	1 / 1	228	228	N/A	228	228	228	Mean
			Manganese	1 / 1	425	425	N/A	510	426	510	Result*CF
			Nickel	1 / 1	22.2	22.2	N/A	26.6	22.2	26.6	Result*CF
			Thallium	1 / 1	0.278	0.278	N/A	0.334	0.279	0.334	Result*CF
			Vanadium	1 / 1	41.5	41.5	N/A	49.8	41.6	49.8	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
318	113	Other -Not Specified	Aluminum	3 / 3	9730	9410	290	9900	8270	9900	95% t-statistic UCL
			Antimony	3 / 3	3.84	3.33	0.483	4.14	3.46	4.14	95% t-statistic UCL
			Arsenic	3 / 3	29.8	28.6	1.5	31.1	26	31.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	8.21	7.87	0.413	8.57	7.16	8.57	95% t-statistic UCL
			Cadmium	3 / 3	11.2	9.36	1.61	12.1	10.1	12.1	95% t-statistic UCL
			Chromium	3 / 3	32.4	31.8	1.01	33.5	27.9	33.5	95% t-statistic UCL
			Cobalt	3 / 3	9.38	9.15	0.241	9.56	7.98	9.56	95% t-statistic UCL
			Iron	3 / 3	20700	20400	361	21000	17500	21000	95% t-statistic UCL
			Lead	3 / 3	520	425	82.6	425	425	425	Mean
			RBA Adjusted Lead	3 / 3	554	452	87.9	452	452	452	Mean
			Manganese	3 / 3	579	559	27.8	606	506	606	95% t-statistic UCL
			Nickel	3 / 3	21.5	20.6	0.751	21.9	18.3	21.9	95% t-statistic UCL
			Thallium	3 / 3	0.474	0.414	0.0565	0.509	0.425	0.509	95% t-statistic UCL
			Vanadium	3 / 3	45.5	44.6	1.62	47.3	39.5	47.3	95% t-statistic UCL
319	114	Other -Not Specified	Aluminum	3 / 3	12400	11900	569	12900	10800	12900	95% t-statistic UCL
			Antimony	3 / 3	4.49	3.78	0.686	4.94	4.12	4.94	95% t-statistic UCL
			Arsenic	3 / 3	33.4	29.9	3.28	35.4	29.6	35.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	6.91	6.19	0.679	7.33	6.12	7.33	95% t-statistic UCL
			Cadmium	3 / 3	13.8	11.1	2.43	15.2	12.7	15.2	95% t-statistic UCL
			Chromium	3 / 3	35	34.5	0.436	35.2	29.4	35.2	95% t-statistic UCL
			Cobalt	3 / 3	10.2	9.94	0.255	10.4	8.66	10.4	95% t-statistic UCL
			Iron	3 / 3	21900	21600	300	22100	18500	22100	95% t-statistic UCL
			Lead	3 / 3	618	469	131	469	469	469	Mean
			RBA Adjusted Lead	3 / 3	666	506	141	506	506	506	Mean
			Manganese	3 / 3	776	686	78.9	819	684	819	95% t-statistic UCL
			Nickel	3 / 3	23.5	22.9	0.557	23.8	19.9	23.8	95% t-statistic UCL
			Thallium	3 / 3	0.533	0.432	0.0894	0.582	0.486	0.582	95% t-statistic UCL
			Vanadium	3 / 3	47.4	46.9	0.436	47.6	39.8	47.6	95% t-statistic UCL
325	90	Garden	Aluminum	3 / 3	9760	9550	189	9870	8240	9870	95% t-statistic UCL
			Antimony	3 / 3	0.652	0.601	0.0456	0.678	0.566	0.678	95% t-statistic UCL
			Arsenic	3 / 3	8.2	7.88	0.454	8.65	7.22	8.65	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.26	2.17	0.125	2.38	1.99	2.38	95% t-statistic UCL
			Cadmium	3 / 3	0.962	0.926	0.0318	0.98	0.818	0.98	95% t-statistic UCL
			Chromium	3 / 3	18.6	18.2	0.458	19	15.8	19	95% t-statistic UCL
			Cobalt	3 / 3	6.63	6.4	0.203	6.74	5.63	6.74	95% t-statistic UCL
			Iron	3 / 3	15800	15400	321	16000	13300	16000	95% t-statistic UCL
			Lead	3 / 3	37.1	35.5	1.38	35.5	35.5	35.5	Mean
			RBA Adjusted Lead	3 / 3	39.5	37.8	1.47	37.8	37.8	37.8	Mean
			Manganese	3 / 3	389	380	8.5	395	330	395	95% t-statistic UCL
			Nickel	3 / 3	18	17.3	0.611	18.4	15.3	18.4	95% t-statistic UCL
			Thallium	3 / 3	0.133	0.131	0.00252	0.135	0.113	0.135	95% t-statistic UCL
			Vanadium	3 / 3	29.2	27.9	1.22	29.9	25	29.9	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
326	91	Other -Not Specified	Aluminum	1 / 1	6370	6370	N/A	7640	6380	7640	Result*CF
			Antimony	1 / 1	0.677	0.677	N/A	0.812	0.678	0.812	Result*CF
			Arsenic	1 / 1	5.16	5.16	N/A	6.19	5.17	6.19	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.42	1.42	N/A	1.71	1.43	1.71	Result*CF
			Cadmium	1 / 1	1.34	1.34	N/A	1.61	1.34	1.61	Result*CF
			Chromium	1 / 1	16.1	16.1	N/A	19.3	16.1	19.3	Result*CF
			Cobalt	1 / 1	4.93	4.93	N/A	5.92	4.94	5.92	Result*CF
			Iron	1 / 1	12800	12800	N/A	15400	12800	15400	Result*CF
			Lead	1 / 1	67.1	67.1	N/A	67.1	67.1	67.1	Mean
			RBA Adjusted Lead	1 / 1	71.5	71.5	N/A	71.5	71.5	71.5	Mean
			Manganese	1 / 1	232	232	N/A	278	232	278	Result*CF
			Nickel	1 / 1	13.4	13.4	N/A	16.1	13.4	16.1	Result*CF
			Thallium	1 / 1	0.166	0.166	N/A	0.199	0.166	0.199	Result*CF
			Vanadium	1 / 1	28.2	28.2	N/A	33.8	28.3	33.8	Result*CF
327	92	Other -Not Specified	Aluminum	3 / 3	6480	6400	133	6630	5530	6630	95% t-statistic UCL
			Antimony	3 / 3	0.566	0.538	0.0262	0.582	0.486	0.582	95% t-statistic UCL
			Arsenic	3 / 3	5.21	4.99	0.297	5.49	4.58	5.49	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.44	1.37	0.0818	1.51	1.26	1.51	95% t-statistic UCL
			Cadmium	3 / 3	1.09	1.04	0.0458	1.12	0.933	1.12	95% t-statistic UCL
			Chromium	3 / 3	18.7	18.4	0.3	18.9	15.8	18.9	95% t-statistic UCL
			Cobalt	3 / 3	5.19	5.1	0.0902	5.26	4.39	5.26	95% t-statistic UCL
			Iron	3 / 3	14100	13800	306	14300	12000	14300	95% t-statistic UCL
			Lead	3 / 3	49.7	47	2.98	47	47	47	Mean
			RBA Adjusted Lead	3 / 3	52.9	50.1	3.18	50.1	50.1	50.1	Mean
			Manganese	3 / 3	222	221	2.31	225	188	225	95% t-statistic UCL
			Nickel	3 / 3	13.7	13.6	0.115	13.8	11.5	13.8	95% t-statistic UCL
			Thallium	3 / 3	0.167	0.154	0.0121	0.175	0.146	0.175	95% t-statistic UCL
			Vanadium	3 / 3	29.9	29.5	0.586	30.5	25.4	30.5	95% t-statistic UCL
345	51	Play Area	Aluminum	1 / 1	10500	10500	N/A	12600	10500	12600	Result*CF
			Antimony	1 / 1	1.26	1.26	N/A	1.51	1.26	1.51	Result*CF
			Arsenic	1 / 1	7.45	7.45	N/A	8.94	7.46	8.94	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.1	2.1	N/A	2.51	2.1	2.51	Result*CF
			Cadmium	1 / 1	2.26	2.26	N/A	2.71	2.26	2.71	Result*CF
			Chromium	1 / 1	25.1	25.1	N/A	30.1	25.2	30.1	Result*CF
			Cobalt	1 / 1	8.08	8.08	N/A	9.7	8.1	9.7	Result*CF
			Iron	1 / 1	18200	18200	N/A	21800	18200	21800	Result*CF
			Lead	1 / 1	100	100	N/A	100	100	100	Mean
			RBA Adjusted Lead	1 / 1	104	104	N/A	104	104	104	Mean
			Manganese	1 / 1	478	478	N/A	574	479	574	Result*CF
			Nickel	1 / 1	17.4	17.4	N/A	20.9	17.4	20.9	Result*CF
			Thallium	1 / 1	0.234	0.234	N/A	0.281	0.234	0.281	Result*CF
			Vanadium	1 / 1	40.8	40.8	N/A	49	40.9	49	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
346	52	Garden	Aluminum	3 / 3	12800	12600	404	13200	11100	13200	95% t-statistic UCL
			Antimony	3 / 3	2.37	2.01	0.333	2.58	2.15	2.58	95% t-statistic UCL
			Arsenic	3 / 3	13.4	12.1	1.41	14.5	12.1	14.5	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.16	3.76	0.438	4.49	3.75	4.49	95% t-statistic UCL
			Cadmium	3 / 3	4.07	3.48	0.571	4.45	3.71	4.45	95% t-statistic UCL
			Chromium	3 / 3	24.1	23.1	1	24.8	20.7	24.8	95% t-statistic UCL
			Cobalt	3 / 3	9.13	8.74	0.395	9.4	7.85	9.4	95% t-statistic UCL
			Iron	3 / 3	18300	18000	231	18400	15400	18400	95% t-statistic UCL
			Lead	3 / 3	153	129	23	129	129	129	Mean
			RBA Adjusted Lead	3 / 3	154	130	23.2	130	130	130	Mean
			Manganese	3 / 3	670	608	54.4	700	584	700	95% t-statistic UCL
			Nickel	3 / 3	22.9	21.5	1.71	24.4	20.4	24.4	95% t-statistic UCL
			Thallium	3 / 3	0.27	0.254	0.017	0.282	0.236	0.282	95% t-statistic UCL
			Vanadium	3 / 3	40	38.6	1.4	41	34.2	41	95% t-statistic UCL
347	53	Other -Not Specified	Aluminum	3 / 3	8120	7960	146	8200	6850	8200	95% t-statistic UCL
			Antimony	3 / 3	3.25	2.94	0.326	3.49	2.91	3.49	95% t-statistic UCL
			Arsenic	3 / 3	13.7	13.2	0.551	14.1	11.8	14.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.29	4.12	0.172	4.41	3.68	4.41	95% t-statistic UCL
			Cadmium	3 / 3	6.73	6.25	0.551	7.18	6	7.18	95% t-statistic UCL
			Chromium	3 / 3	18.4	17.9	0.503	18.7	15.6	18.7	95% t-statistic UCL
			Cobalt	3 / 3	7.04	6.97	0.0764	7.1	5.93	7.1	95% t-statistic UCL
			Iron	3 / 3	15000	14800	208	15100	12600	15100	95% t-statistic UCL
			Lead	3 / 3	281	255	28.7	255	255	255	Mean
			RBA Adjusted Lead	3 / 3	345	313	35.3	313	313	313	Mean
			Manganese	3 / 3	683	670	15.3	695	581	695	95% t-statistic UCL
			Nickel	3 / 3	14.3	14	0.231	14.4	12	14.4	95% t-statistic UCL
			Thallium	3 / 3	0.354	0.324	0.0295	0.374	0.312	0.374	95% t-statistic UCL
			Vanadium	3 / 3	29.9	29.2	0.819	30.6	25.5	30.6	95% t-statistic UCL
801	35	Other -Not Specified	Aluminum	3 / 3	5340	5310	30.6	5360	4470	5360	95% t-statistic UCL
			Antimony	3 / 3	3.69	3.48	0.187	3.8	3.17	3.8	95% t-statistic UCL
			Arsenic	3 / 3	14.9	13	1.62	15.8	13.2	15.8	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.93	4.31	0.536	5.22	4.36	5.22	95% t-statistic UCL
			Cadmium	3 / 3	4.9	4.56	0.292	5.06	4.22	5.06	95% t-statistic UCL
			Chromium	3 / 3	18.9	18.2	0.7	19.4	16.2	19.4	95% t-statistic UCL
			Cobalt	3 / 3	4.33	4.32	0.0173	4.35	3.63	4.35	95% t-statistic UCL
			Iron	3 / 3	18700	18200	569	19200	16000	19200	95% t-statistic UCL
			Lead	3 / 3	244	228	14	228	228	228	Mean
			RBA Adjusted Lead	3 / 3	256	240	14.7	240	240	240	Mean
			Manganese	3 / 3	235	230	5.03	238	199	238	95% t-statistic UCL
			Nickel	3 / 3	11	10.9	0.1	11.1	9.24	11.1	95% t-statistic UCL
			Thallium	3 / 3	0.328	0.31	0.0202	0.344	0.287	0.344	95% t-statistic UCL
			Vanadium	3 / 3	33.9	32.3	1.55	34.9	29.2	34.9	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
1001	230	Other -Not Specified	Aluminum	3 / 3	5360	5290	70	5410	4520	5410	95% t-statistic UCL
			Antimony	3 / 3	3.98	3.48	0.684	4.63	3.87	4.63	95% t-statistic UCL
			Arsenic	3 / 3	21.5	21.2	0.3	21.7	18.1	21.7	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	6.62	6.53	0.0924	6.69	5.58	6.69	95% t-statistic UCL
			Cadmium	3 / 3	8.6	8.04	0.504	8.89	7.42	8.89	95% t-statistic UCL
			Chromium	3 / 3	17.5	17.3	0.208	17.6	14.7	17.6	95% t-statistic UCL
			Cobalt	3 / 3	4.94	4.87	0.0643	4.98	4.15	4.98	95% t-statistic UCL
			Iron	3 / 3	23200	21800	1290	23900	20000	23900	95% t-statistic UCL
			Lead	3 / 3	481	445	31.4	445	445	445	Mean
			RBA Adjusted Lead	3 / 3	441	408	28.8	408	408	408	Mean
			Manganese	3 / 3	287	285	2.89	290	242	290	95% t-statistic UCL
			Nickel	3 / 3	13	12.9	0.1	13.1	10.9	13.1	95% t-statistic UCL
			Thallium	3 / 3	0.403	0.388	0.018	0.418	0.349	0.418	95% t-statistic UCL
			Vanadium	3 / 3	36.5	36.2	0.416	36.9	30.8	36.9	95% t-statistic UCL
1005	71	Garden	Aluminum	1 / 1	13900	13900	N/A	16700	13900	16700	Result*CF
			Antimony	1 / 1	1.51	1.51	N/A	1.81	1.51	1.81	Result*CF
			Arsenic	1 / 1	9.09	9.09	N/A	10.9	9.11	10.9	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.81	2.81	N/A	3.38	2.82	3.38	Result*CF
			Cadmium	1 / 1	2.59	2.59	N/A	3.11	2.6	3.11	Result*CF
			Chromium	1 / 1	18.7	18.7	N/A	22.4	18.7	22.4	Result*CF
			Cobalt	1 / 1	6.41	6.41	N/A	7.69	6.42	7.69	Result*CF
			Iron	1 / 1	16100	16100	N/A	19300	16100	19300	Result*CF
			Lead	1 / 1	114	114	N/A	114	114	114	Mean
			RBA Adjusted Lead	1 / 1	112	112	N/A	112	112	112	Mean
			Manganese	1 / 1	308	308	N/A	370	309	370	Result*CF
			Nickel	1 / 1	18.9	18.9	N/A	22.7	18.9	22.7	Result*CF
			Thallium	1 / 1	0.211	0.211	N/A	0.253	0.211	0.253	Result*CF
			Vanadium	1 / 1	24.9	24.9	N/A	29.9	24.9	29.9	Result*CF
1006	72	House	Aluminum	3 / 3	15700	15600	57.7	15700	13100	15700	95% t-statistic UCL
			Antimony	3 / 3	1.21	1.16	0.0458	1.24	1.03	1.24	95% t-statistic UCL
			Arsenic	3 / 3	8.33	7.99	0.304	8.51	7.1	8.51	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.3	2.2	0.0837	2.34	1.96	2.34	95% t-statistic UCL
			Cadmium	3 / 3	2.34	2.31	0.0265	2.35	1.97	2.35	95% t-statistic UCL
			Chromium	3 / 3	24.5	24.1	0.4	24.8	20.7	24.8	95% t-statistic UCL
			Cobalt	3 / 3	7.72	7.49	0.217	7.85	6.56	7.85	95% t-statistic UCL
			Iron	3 / 3	18400	18300	231	18700	15600	18700	95% t-statistic UCL
			Lead	3 / 3	87.3	86.1	1.31	86.1	86.1	86.1	Mean
			RBA Adjusted Lead	3 / 3	93	91.7	1.39	91.7	91.7	91.7	Mean
			Manganese	3 / 3	373	368	4.51	376	314	376	95% t-statistic UCL
			Nickel	3 / 3	27.6	27.1	0.551	28	23.4	28	95% t-statistic UCL
			Thallium	3 / 3	0.234	0.217	0.0145	0.242	0.202	0.242	95% t-statistic UCL
			Vanadium	3 / 3	29.7	29.5	0.2	29.8	24.9	29.8	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
1007	73	Garden	Aluminum	3 / 3	17200	16800	529	17700	14800	17700	95% t-statistic UCL
			Antimony	3 / 3	0.85	0.832	0.0161	0.859	0.717	0.859	95% t-statistic UCL
			Arsenic	3 / 3	6.45	6.4	0.0624	6.51	5.43	6.51	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.78	1.76	0.0172	1.79	1.5	1.79	95% t-statistic UCL
			Cadmium	3 / 3	1.43	1.38	0.05	1.46	1.22	1.46	95% t-statistic UCL
			Chromium	3 / 3	22.3	21.9	0.458	22.7	18.9	22.7	95% t-statistic UCL
			Cobalt	3 / 3	7.39	7.25	0.118	7.45	6.22	7.45	95% t-statistic UCL
			Iron	3 / 3	18700	18500	153	18800	15700	18800	95% t-statistic UCL
			Lead	3 / 3	49.3	48.7	0.981	48.7	48.7	48.7	Mean
			RBA Adjusted Lead	3 / 3	52.5	51.9	1.05	51.9	51.9	51.9	Mean
			Manganese	3 / 3	339	333	6.56	344	287	344	95% t-statistic UCL
			Nickel	3 / 3	30.1	29.1	0.839	30.5	25.5	30.5	95% t-statistic UCL
			Thallium	3 / 3	0.19	0.186	0.00404	0.192	0.161	0.192	95% t-statistic UCL
			Vanadium	3 / 3	28.3	27.8	0.557	28.7	24	28.7	95% t-statistic UCL
1008	74	Agriculture	Aluminum	1 / 1	11200	11200	N/A	13400	11200	13400	Result*CF
			Antimony	1 / 1	1.2	1.2	N/A	1.44	1.2	1.44	Result*CF
			Arsenic	1 / 1	6.17	6.17	N/A	7.4	6.18	7.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.7	1.7	N/A	2.04	1.7	2.04	Result*CF
			Cadmium	1 / 1	2.46	2.46	N/A	2.95	2.46	2.95	Result*CF
			Chromium	1 / 1	17.6	17.6	N/A	21.1	17.6	21.1	Result*CF
			Cobalt	1 / 1	5.05	5.05	N/A	6.06	5.06	6.06	Result*CF
			Iron	1 / 1	12900	12900	N/A	15500	12900	15500	Result*CF
			Lead	1 / 1	85.9	85.9	N/A	85.9	85.9	85.9	Mean
			RBA Adjusted Lead	1 / 1	91.5	91.5	N/A	91.5	91.5	91.5	Mean
			Manganese	1 / 1	262	262	N/A	314	263	314	Result*CF
			Nickel	1 / 1	25.7	25.7	N/A	30.8	25.8	30.8	Result*CF
			Thallium	1 / 1	0.169	0.169	N/A	0.203	0.169	0.203	Result*CF
			Vanadium	1 / 1	19.4	19.4	N/A	23.3	19.4	23.3	Result*CF
1010	76	Agriculture	Aluminum	1 / 1	11600	11600	N/A	13900	11600	13900	Result*CF
			Antimony	1 / 1	1.64	1.64	N/A	1.97	1.64	1.97	Result*CF
			Arsenic	1 / 1	8.22	8.22	N/A	9.86	8.24	9.86	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.27	2.27	N/A	2.72	2.27	2.72	Result*CF
			Cadmium	1 / 1	2.74	2.74	N/A	3.29	2.75	3.29	Result*CF
			Chromium	1 / 1	14.4	14.4	N/A	17.3	14.4	17.3	Result*CF
			Cobalt	1 / 1	5	5	N/A	6	5.01	6	Result*CF
			Iron	1 / 1	12700	12700	N/A	15200	12700	15200	Result*CF
			Lead	1 / 1	104	104	N/A	104	104	104	Mean
			RBA Adjusted Lead	1 / 1	111	111	N/A	111	111	111	Mean
			Manganese	1 / 1	272	272	N/A	326	273	326	Result*CF
			Nickel	1 / 1	22.9	22.9	N/A	27.5	22.9	27.5	Result*CF
			Thallium	1 / 1	0.195	0.195	N/A	0.234	0.195	0.234	Result*CF
			Vanadium	1 / 1	18.1	18.1	N/A	21.7	18.1	21.7	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
1011	77	Agriculture	Aluminum	3 / 3	8320	8210	110	8390	7010	8390	95% t-statistic UCL
			Antimony	3 / 3	2.23	2.05	0.163	2.33	1.94	2.33	95% t-statistic UCL
			Arsenic	3 / 3	7.56	7.43	0.13	7.65	6.38	7.65	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.64	3.57	0.0626	3.68	3.07	3.68	95% t-statistic UCL
			Cadmium	3 / 3	3.66	3.53	0.202	3.87	3.24	3.87	95% t-statistic UCL
			Chromium	3 / 3	11.9	11.5	0.321	12.1	10.1	12.1	95% t-statistic UCL
			Cobalt	3 / 3	3.98	3.85	0.118	4.05	3.38	4.05	95% t-statistic UCL
			Iron	3 / 3	10100	9770	301	10300	8580	10300	95% t-statistic UCL
			Lead	3 / 3	138	132	8.96	132	132	132	Mean
			RBA Adjusted Lead	3 / 3	152	146	9.9	146	146	146	Mean
			Manganese	3 / 3	241	238	5.77	247	207	247	95% t-statistic UCL
			Nickel	3 / 3	16.2	15.9	0.231	16.3	13.6	16.3	95% t-statistic UCL
			Thallium	3 / 3	0.192	0.186	0.00954	0.202	0.169	0.202	95% t-statistic UCL
			Vanadium	3 / 3	15.2	14.8	0.346	15.4	12.8	15.4	95% t-statistic UCL
1015	221	Garden	Aluminum	1 / 1	13500	13500	N/A	16200	13500	16200	Result*CF
			Antimony	1 / 1	0.672	0.672	N/A	0.806	0.673	0.806	Result*CF
			Arsenic	1 / 1	4.97	4.97	N/A	5.96	4.98	5.96	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.37	1.37	N/A	1.64	1.37	1.64	Result*CF
			Cadmium	1 / 1	1.14	1.14	N/A	1.37	1.14	1.37	Result*CF
			Chromium	1 / 1	19.2	19.2	N/A	23	19.2	23	Result*CF
			Cobalt	1 / 1	6.01	6.01	N/A	7.21	6.02	7.21	Result*CF
			Iron	1 / 1	16800	16800	N/A	20200	16800	20200	Result*CF
			Lead	1 / 1	44.7	44.7	N/A	44.7	44.7	44.7	Mean
			RBA Adjusted Lead	1 / 1	47.6	47.6	N/A	47.6	47.6	47.6	Mean
			Manganese	1 / 1	377	377	N/A	452	378	452	Result*CF
			Nickel	1 / 1	14	14	N/A	16.8	14	16.8	Result*CF
			Thallium	1 / 1	0.156	0.156	N/A	0.187	0.156	0.187	Result*CF
			Vanadium	1 / 1	26.1	26.1	N/A	31.3	26.2	31.3	Result*CF
1017	222	Garden	Aluminum	3 / 3	11400	11200	208	11500	9620	11500	95% t-statistic UCL
			Antimony	3 / 3	1.44	1.42	0.02	1.45	1.21	1.45	95% t-statistic UCL
			Arsenic	3 / 3	6.85	6.81	0.0351	6.87	5.74	6.87	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.51	2.5	0.0129	2.52	2.1	2.52	95% t-statistic UCL
			Cadmium	3 / 3	2.43	2.38	0.0436	2.45	2.05	2.45	95% t-statistic UCL
			Chromium	3 / 3	16.4	16	0.346	16.6	13.8	16.6	95% t-statistic UCL
			Cobalt	3 / 3	5.02	4.96	0.0603	5.06	4.22	5.06	95% t-statistic UCL
			Iron	3 / 3	15100	15000	115	15200	12700	15200	95% t-statistic UCL
			Lead	3 / 3	122	118	3.21	118	118	118	Mean
			RBA Adjusted Lead	3 / 3	144	139	3.78	139	139	139	Mean
			Manganese	3 / 3	379	378	1.73	381	318	381	95% t-statistic UCL
			Nickel	3 / 3	11.6	11.6	0.0577	11.7	9.74	11.7	95% t-statistic UCL
			Thallium	3 / 3	0.207	0.195	0.0116	0.214	0.179	0.214	95% t-statistic UCL
			Vanadium	3 / 3	22.2	21.5	0.624	22.6	18.8	22.6	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
1018	223	Garden	Aluminum	3 / 3	12800	12600	265	13000	10900	13000	95% t-statistic UCL
			Antimony	3 / 3	0.857	0.826	0.0292	0.875	0.731	0.875	95% t-statistic UCL
			Arsenic	3 / 3	5.64	5.42	0.207	5.77	4.82	5.77	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.55	1.49	0.057	1.59	1.33	1.59	95% t-statistic UCL
			Cadmium	3 / 3	1.14	1.1	0.0404	1.17	0.978	1.17	95% t-statistic UCL
			Chromium	3 / 3	18.1	17.8	0.289	18.3	15.2	18.3	95% t-statistic UCL
			Cobalt	3 / 3	5.63	5.5	0.116	5.69	4.75	5.69	95% t-statistic UCL
			Iron	3 / 3	16500	16200	416	16900	14100	16900	95% t-statistic UCL
			Lead	3 / 3	49.5	48.7	0.854	48.7	48.7	48.7	Mean
			RBA Adjusted Lead	3 / 3	52.7	51.9	0.91	51.9	51.9	51.9	Mean
			Manganese	3 / 3	338	335	4.36	342	286	342	95% t-statistic UCL
			Nickel	3 / 3	13	12.8	0.265	13.2	11.1	13.2	95% t-statistic UCL
			Thallium	3 / 3	0.156	0.152	0.004	0.159	0.133	0.159	95% t-statistic UCL
			Vanadium	3 / 3	25.1	24.6	0.436	25.3	21.2	25.3	95% t-statistic UCL
1020	60	Garden	Aluminum	3 / 3	19000	18700	416	19400	16200	19400	95% t-statistic UCL
			Antimony	3 / 3	1.8	1.74	0.0603	1.84	1.54	1.84	95% t-statistic UCL
			Arsenic	3 / 3	10.2	9.75	0.45	10.5	8.77	10.5	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.81	2.69	0.124	2.9	2.42	2.9	95% t-statistic UCL
			Cadmium	3 / 3	3.07	2.85	0.199	3.18	2.66	3.18	95% t-statistic UCL
			Chromium	3 / 3	20.6	19.4	1.11	21.3	17.8	21.3	95% t-statistic UCL
			Cobalt	3 / 3	6.35	6.21	0.127	6.43	5.37	6.43	95% t-statistic UCL
			Iron	3 / 3	18400	17800	777	19100	15900	19100	95% t-statistic UCL
			Lead	3 / 3	93.6	90.6	2.74	90.6	90.6	90.6	Mean
			RBA Adjusted Lead	3 / 3	99.7	96.5	2.92	96.5	96.5	96.5	Mean
			Manganese	3 / 3	391	389	2.89	394	329	394	95% t-statistic UCL
			Nickel	3 / 3	16.2	15.6	0.529	16.5	13.8	16.5	95% t-statistic UCL
			Thallium	3 / 3	0.253	0.25	0.00265	0.254	0.212	0.254	95% t-statistic UCL
			Vanadium	3 / 3	35.6	33.2	2.31	37.1	31	37.1	95% t-statistic UCL
1021[d]	61[d]	House	Aluminum	--	14000	--	--	--	11700	14000	Maximum Backfill
			Antimony	--	0.75	--	--	--	0.626	0.75	Maximum Backfill
			Arsenic	--	6.6	--	--	--	5.51	6.6	Maximum Backfill
			RBA Adjusted Arsenic	--	1.82	--	--	--	1.52	1.82	Maximum Backfill
			Cadmium	--	0.71	--	--	--	0.593	0.71	Maximum Backfill
			Chromium	--	12	--	--	--	10	12	Maximum Backfill
			Cobalt	--	11	--	--	--	9.19	11	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	12	--	--	--	12	12	Maximum Backfill
			RBA Adjusted Lead	--	12.8	--	--	--	12.8	12.8	Maximum Backfill
			Manganese	--	770	--	--	--	643	770	Maximum Backfill
			Nickel	--	25	--	--	--	20.9	25	Maximum Backfill
			Thallium	--	0.105	--	--	--	0.0877	0.105	Maximum Backfill
			Vanadium	--	19	--	--	--	15.9	19	Maximum Backfill

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
1030[d]	21[d]	Other -Not Specified	Aluminum	--	9700	--	--	--	8100	9700	Maximum Backfill
			Antimony	--	0.34	--	--	--	0.284	0.34	Maximum Backfill
			Arsenic	--	3.3	--	--	--	2.76	3.3	Maximum Backfill
			RBA Adjusted Arsenic	--	0.91	--	--	--	0.76	0.91	Maximum Backfill
			Cadmium	--	0.28	--	--	--	0.234	0.28	Maximum Backfill
			Chromium	--	31	--	--	--	25.9	31	Maximum Backfill
			Cobalt	--	5.8	--	--	--	4.84	5.8	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	19	--	--	--	19	19	Maximum Backfill
			RBA Adjusted Lead	--	20.2	--	--	--	20.2	20.2	Maximum Backfill
			Manganese	--	310	--	--	--	259	310	Maximum Backfill
			Nickel	--	21	--	--	--	17.5	21	Maximum Backfill
			Thallium	--	0.11	--	--	--	0.0919	0.11	Maximum Backfill
			Vanadium	--	27	--	--	--	22.5	27	Maximum Backfill
1035	98	Garden	Aluminum	3 / 3	19300	19100	153	19400	16200	19400	95% t-statistic UCL
			Antimony	3 / 3	1.77	1.71	0.0603	1.81	1.52	1.81	95% t-statistic UCL
			Arsenic	3 / 3	11.7	11.5	0.208	11.8	9.87	11.8	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.17	4.09	0.0742	4.21	3.52	4.21	95% t-statistic UCL
			Cadmium	3 / 3	3.13	2.98	0.133	3.2	2.67	3.2	95% t-statistic UCL
			Chromium	3 / 3	39.1	38.4	0.651	39.5	33	39.5	95% t-statistic UCL
			Cobalt	3 / 3	9.55	9.39	0.178	9.69	8.09	9.69	95% t-statistic UCL
			Iron	3 / 3	20400	20100	252	20600	17200	20600	95% t-statistic UCL
			Lead	3 / 3	107	105	2	105	105	105	Mean
			RBA Adjusted Lead	3 / 3	117	115	2.19	115	115	115	Mean
			Manganese	3 / 3	701	691	9.5	707	591	707	95% t-statistic UCL
			Nickel	3 / 3	29.8	29.2	0.777	30.5	25.4	30.5	95% t-statistic UCL
			Thallium	3 / 3	0.258	0.249	0.00808	0.263	0.22	0.263	95% t-statistic UCL
			Vanadium	3 / 3	36.2	35.5	0.651	36.6	30.6	36.6	95% t-statistic UCL
1036	99	Play Area	Aluminum	3 / 3	16500	16300	153	16600	13900	16600	95% t-statistic UCL
			Antimony	3 / 3	1.06	0.995	0.0567	1.09	0.91	1.09	95% t-statistic UCL
			Arsenic	3 / 3	8.2	8.11	0.153	8.36	6.98	8.36	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.26	2.23	0.0422	2.31	1.93	2.31	95% t-statistic UCL
			Cadmium	3 / 3	2.06	1.89	0.147	2.14	1.79	2.14	95% t-statistic UCL
			Chromium	3 / 3	32.3	32	0.462	32.8	27.4	32.8	95% t-statistic UCL
			Cobalt	3 / 3	8.34	8.2	0.157	8.46	7.07	8.46	95% t-statistic UCL
			Iron	3 / 3	19600	19400	200	19700	16500	19700	95% t-statistic UCL
			Lead	3 / 3	77.1	72.1	4.44	72.1	72.1	72.1	Mean
			RBA Adjusted Lead	3 / 3	82.1	76.8	4.73	76.8	76.8	76.8	Mean
			Manganese	3 / 3	464	461	3.51	467	390	467	95% t-statistic UCL
			Nickel	3 / 3	22	21.8	0.321	22.3	18.6	22.3	95% t-statistic UCL
			Thallium	3 / 3	0.246	0.233	0.0118	0.253	0.211	0.253	95% t-statistic UCL
			Vanadium	3 / 3	35.1	34.9	0.208	35.3	29.5	35.3	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
1037	100	Garden	Aluminum	3 / 3	22100	21200	808	22600	18900	22600	95% t-statistic UCL
			Antimony	3 / 3	1.68	1.61	0.0702	1.73	1.44	1.73	95% t-statistic UCL
			Arsenic	3 / 3	12.9	12.7	0.321	13.2	11	13.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.56	3.49	0.0886	3.64	3.04	3.64	95% t-statistic UCL
			Cadmium	3 / 3	2.6	2.45	0.136	2.68	2.23	2.68	95% t-statistic UCL
			Chromium	3 / 3	26.9	26.1	0.693	27.3	22.8	27.3	95% t-statistic UCL
			Cobalt	3 / 3	8.2	7.9	0.261	8.34	6.97	8.34	95% t-statistic UCL
			Iron	3 / 3	19700	19500	252	19900	16600	19900	95% t-statistic UCL
			Lead	3 / 3	98.6	92.4	5.39	92.4	92.4	92.4	Mean
			RBA Adjusted Lead	3 / 3	105	98.4	5.74	98.4	98.4	98.4	Mean
			Manganese	3 / 3	603	599	4.51	606	506	606	95% t-statistic UCL
			Nickel	3 / 3	22.2	21.3	0.85	22.8	19	22.8	95% t-statistic UCL
			Thallium	3 / 3	0.232	0.229	0.00379	0.236	0.197	0.236	95% t-statistic UCL
			Vanadium	3 / 3	35.3	33.8	1.33	36.1	30.1	36.1	95% t-statistic UCL
1060	45	House	Aluminum	1 / 1	7270	7270	N/A	8720	7280	8720	Result*CF
			Antimony	1 / 1	1.2	1.2	N/A	1.44	1.2	1.44	Result*CF
			Arsenic	1 / 1	7.27	7.27	N/A	8.72	7.28	8.72	Result*CF
			RBA Adjusted Arsenic	1 / 1	2	2	N/A	2.4	2.01	2.4	Result*CF
			Cadmium	1 / 1	2.74	2.74	N/A	3.29	2.75	3.29	Result*CF
			Chromium	1 / 1	16.9	16.9	N/A	20.3	16.9	20.3	Result*CF
			Cobalt	1 / 1	5.51	5.51	N/A	6.61	5.52	6.61	Result*CF
			Iron	1 / 1	12600	12600	N/A	15100	12600	15100	Result*CF
			Lead	1 / 1	120	120	N/A	120	120	120	Mean
			RBA Adjusted Lead	1 / 1	128	128	N/A	128	128	128	Mean
			Manganese	1 / 1	383	383	N/A	460	384	460	Result*CF
			Nickel	1 / 1	13.6	13.6	N/A	16.3	13.6	16.3	Result*CF
			Thallium	1 / 1	0.201	0.201	N/A	0.241	0.201	0.241	Result*CF
			Vanadium	1 / 1	21.8	21.8	N/A	26.2	21.8	26.2	Result*CF
3000	55	House	Aluminum	3 / 3	8680	8580	132	8800	7350	8800	95% t-statistic UCL
			Antimony	3 / 3	0.369	0.327	0.0542	0.419	0.35	0.419	95% t-statistic UCL
			Arsenic	3 / 3	3.81	3.67	0.234	4.06	3.39	4.06	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.05	1.01	0.0645	1.12	0.935	1.12	95% t-statistic UCL
			Cadmium	3 / 3	0.601	0.538	0.083	0.678	0.566	0.678	95% t-statistic UCL
			Chromium	3 / 3	21	20.8	0.208	21.2	17.7	21.2	95% t-statistic UCL
			Cobalt	3 / 3	5.78	5.66	0.132	5.89	4.91	5.89	95% t-statistic UCL
			Iron	3 / 3	16100	15700	351	16300	13600	16300	95% t-statistic UCL
			Lead	3 / 3	29.5	25	5.34	25	25	25	Mean
			RBA Adjusted Lead	3 / 3	31.4	26.6	5.69	26.6	26.6	26.6	Mean
			Manganese	3 / 3	231	228	3.51	234	195	234	95% t-statistic UCL
			Nickel	3 / 3	15.9	15.7	0.173	16	13.4	16	95% t-statistic UCL
			Thallium	3 / 3	0.133	0.131	0.00153	0.134	0.112	0.134	95% t-statistic UCL
			Vanadium	3 / 3	32.4	32.1	0.379	32.8	27.4	32.8	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
3001	56	Garden	Aluminum	1 / 1	13900	13900	N/A	16700	13900	16700	Result*CF
			Antimony	1 / 1	3.32	3.32	N/A	3.98	3.33	3.98	Result*CF
			Arsenic	1 / 1	28.9	28.9	N/A	34.7	29	34.7	Result*CF
			RBA Adjusted Arsenic	1 / 1	5.43	5.43	N/A	6.52	5.44	6.52	Result*CF
			Cadmium	1 / 1	5.24	5.24	N/A	6.29	5.25	6.29	Result*CF
			Chromium	1 / 1	45	45	N/A	54	45.1	54	Result*CF
			Cobalt	1 / 1	11.5	11.5	N/A	13.8	11.5	13.8	Result*CF
			Iron	1 / 1	26600	26600	N/A	31900	26700	31900	Result*CF
			Lead	1 / 1	393	393	N/A	393	393	393	Mean
			RBA Adjusted Lead	1 / 1	371	371	N/A	371	371	371	Mean
			Manganese	1 / 1	541	541	N/A	649	542	649	Result*CF
			Nickel	1 / 1	30.6	30.6	N/A	36.7	30.7	36.7	Result*CF
			Thallium	1 / 1	0.394	0.394	N/A	0.473	0.395	0.473	Result*CF
			Vanadium	1 / 1	59.4	59.4	N/A	71.3	59.5	71.3	Result*CF
3003	57	Other -Not Specified	Aluminum	3 / 3	11400	11100	416	11800	9830	11800	95% t-statistic UCL
			Antimony	3 / 3	3.08	2.6	0.42	3.3	2.76	3.3	95% t-statistic UCL
			Arsenic	3 / 3	27.5	23.6	3.46	29.4	24.5	29.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	7.65	6.55	0.962	8.17	6.83	8.17	95% t-statistic UCL
			Cadmium	3 / 3	6.54	5.43	0.969	7.06	5.9	7.06	95% t-statistic UCL
			Chromium	3 / 3	43.5	41.4	1.87	44.6	37.2	44.6	95% t-statistic UCL
			Cobalt	3 / 3	9.69	9.22	0.461	9.99	8.34	9.99	95% t-statistic UCL
			Iron	3 / 3	26200	25600	569	26500	22100	26500	95% t-statistic UCL
			Lead	3 / 3	335	276	53.5	276	276	276	Mean
			RBA Adjusted Lead	3 / 3	358	295	57.2	295	295	295	Mean
			Manganese	3 / 3	575	554	24	595	497	595	95% t-statistic UCL
			Nickel	3 / 3	24.7	23.6	1.21	25.6	21.4	25.6	95% t-statistic UCL
			Thallium	3 / 3	0.359	0.325	0.0301	0.375	0.313	0.375	95% t-statistic UCL
			Vanadium	3 / 3	58.5	56.2	2.07	59.7	49.8	59.7	95% t-statistic UCL
3004	150	House	Aluminum	3 / 3	15600	15300	351	15900	13200	15900	95% t-statistic UCL
			Antimony	3 / 3	1.25	1.15	0.0917	1.3	1.09	1.3	95% t-statistic UCL
			Arsenic	3 / 3	9.05	8.33	0.624	9.39	7.84	9.39	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.49	2.3	0.172	2.59	2.16	2.59	95% t-statistic UCL
			Cadmium	3 / 3	1.73	1.59	0.128	1.81	1.51	1.81	95% t-statistic UCL
			Chromium	3 / 3	19.4	19	0.346	19.6	16.4	19.6	95% t-statistic UCL
			Cobalt	3 / 3	6.45	6.25	0.186	6.57	5.48	6.57	95% t-statistic UCL
			Iron	3 / 3	16500	16400	115	16600	13800	16600	95% t-statistic UCL
			Lead	3 / 3	84.4	76.9	6.84	76.9	76.9	76.9	Mean
			RBA Adjusted Lead	3 / 3	89.9	81.9	7.29	81.9	81.9	81.9	Mean
			Manganese	3 / 3	433	422	11.6	442	369	442	95% t-statistic UCL
			Nickel	3 / 3	16	15.8	0.173	16.1	13.4	16.1	95% t-statistic UCL
			Thallium	3 / 3	0.184	0.177	0.00635	0.187	0.156	0.187	95% t-statistic UCL
			Vanadium	3 / 3	28.8	28.5	0.351	29.1	24.3	29.1	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
075-A1	236	Agriculture	Aluminum	1 / 1	14900	14900	N/A	17900	14900	17900	Result*CF
			Antimony	1 / 1	1.03	1.03	N/A	1.24	1.03	1.24	Result*CF
			Arsenic	1 / 1	7.83	7.83	N/A	9.4	7.85	9.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.28	1.28	N/A	1.54	1.28	1.54	Result*CF
			Cadmium	1 / 1	2.34	2.34	N/A	2.81	2.34	2.81	Result*CF
			Chromium	1 / 1	20	20	N/A	24	20	24	Result*CF
			Cobalt	1 / 1	6.29	6.29	N/A	7.55	6.3	7.55	Result*CF
			Iron	1 / 1	16200	16200	N/A	19400	16200	19400	Result*CF
			Lead	1 / 1	83.3	83.3	N/A	83.3	83.3	83.3	Mean
			RBA Adjusted Lead	1 / 1	70.1	70.1	N/A	70.1	70.1	70.1	Mean
			Manganese	1 / 1	451	451	N/A	541	452	541	Result*CF
			Nickel	1 / 1	16.8	16.8	N/A	20.2	16.8	20.2	Result*CF
			Thallium	1 / 1	0.186	0.186	N/A	0.223	0.186	0.223	Result*CF
			Vanadium	1 / 1	26	26	N/A	31.2	26.1	31.2	Result*CF
075-H1	238	House	Aluminum	3 / 3	20600	19600	1460	22000	18400	22000	95% t-statistic UCL
			Antimony	3 / 3	1.74	1.6	0.206	1.94	1.62	1.94	95% t-statistic UCL
			Arsenic	3 / 3	12.9	12.2	1.13	14.1	11.8	14.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.7	1.61	0.149	1.86	1.55	1.86	95% t-statistic UCL
			Cadmium	3 / 3	3.53	3.19	0.415	3.89	3.25	3.89	95% t-statistic UCL
			Chromium	3 / 3	19.6	19.2	0.551	20.2	16.8	20.2	95% t-statistic UCL
			Cobalt	3 / 3	6.46	6.16	0.311	6.69	5.58	6.69	95% t-statistic UCL
			Iron	3 / 3	16500	16000	551	16900	14100	16900	95% t-statistic UCL
			Lead	3 / 3	121	112	14.4	112	112	112	Mean
			RBA Adjusted Lead	3 / 3	88.6	81.7	10.5	81.7	81.7	81.7	Mean
			Manganese	3 / 3	507	487	26.3	531	443	531	95% t-statistic UCL
			Nickel	3 / 3	15.9	15.7	0.321	16.2	13.5	16.2	95% t-statistic UCL
			Thallium	3 / 3	0.278	0.241	0.0365	0.303	0.253	0.303	95% t-statistic UCL
			Vanadium	3 / 3	28.9	27.9	1.11	29.8	24.9	29.8	95% t-statistic UCL
075-O1	239	Other -Not Specified	Aluminum	1 / 1	6360	6360	N/A	7630	6370	7630	Result*CF
			Antimony	1 / 1	2.4	2.4	N/A	2.88	2.4	2.88	Result*CF
			Arsenic	1 / 1	12.8	12.8	N/A	15.4	12.8	15.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.1	2.1	N/A	2.51	2.1	2.51	Result*CF
			Cadmium	1 / 1	6.09	6.09	N/A	7.31	6.1	7.31	Result*CF
			Chromium	1 / 1	17.7	17.7	N/A	21.2	17.7	21.2	Result*CF
			Cobalt	1 / 1	5.16	5.16	N/A	6.19	5.17	6.19	Result*CF
			Iron	1 / 1	30300	30300	N/A	36400	30400	36400	Result*CF
			Lead	1 / 1	315	315	N/A	315	315	315	Mean
			RBA Adjusted Lead	1 / 1	265	265	N/A	265	265	265	Mean
			Manganese	1 / 1	374	374	N/A	449	375	449	Result*CF
			Nickel	1 / 1	15.9	15.9	N/A	19.1	15.9	19.1	Result*CF
			Thallium	1 / 1	0.288	0.288	N/A	0.346	0.289	0.346	Result*CF
			Vanadium	1 / 1	29.5	29.5	N/A	35.4	29.6	35.4	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
076-G1	241	Garden	Aluminum	1 / 1	18400	18400	N/A	22100	18400	22100	Result*CF
			Antimony	1 / 1	1.34	1.34	N/A	1.61	1.34	1.61	Result*CF
			Arsenic	1 / 1	11.5	11.5	N/A	13.8	11.5	13.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.88	1.88	N/A	2.26	1.89	2.26	Result*CF
			Cadmium	1 / 1	2.74	2.74	N/A	3.29	2.75	3.29	Result*CF
			Chromium	1 / 1	24.2	24.2	N/A	29	24.2	29	Result*CF
			Cobalt	1 / 1	7.21	7.21	N/A	8.65	7.22	8.65	Result*CF
			Iron	1 / 1	18600	18600	N/A	22300	18600	22300	Result*CF
			Lead	1 / 1	101	101	N/A	101	101	101	Mean
			RBA Adjusted Lead	1 / 1	85	85	N/A	85	85	85	Mean
			Manganese	1 / 1	591	591	N/A	709	592	709	Result*CF
			Nickel	1 / 1	18.2	18.2	N/A	21.8	18.2	21.8	Result*CF
			Thallium	1 / 1	0.215	0.215	N/A	0.258	0.215	0.258	Result*CF
			Vanadium	1 / 1	30	30	N/A	36	30.1	36	Result*CF
076-G2	242	Garden	Aluminum	1 / 1	22400	22400	N/A	26900	22400	26900	Result*CF
			Antimony	1 / 1	1.73	1.73	N/A	2.08	1.73	2.08	Result*CF
			Arsenic	1 / 1	17.6	17.6	N/A	21.1	17.6	21.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.88	2.88	N/A	3.46	2.89	3.46	Result*CF
			Cadmium	1 / 1	3.14	3.14	N/A	3.77	3.15	3.77	Result*CF
			Chromium	1 / 1	21.6	21.6	N/A	25.9	21.6	25.9	Result*CF
			Cobalt	1 / 1	7.48	7.48	N/A	8.98	7.49	8.98	Result*CF
			Iron	1 / 1	19400	19400	N/A	23300	19400	23300	Result*CF
			Lead	1 / 1	113	113	N/A	113	113	113	Mean
			RBA Adjusted Lead	1 / 1	95.1	95.1	N/A	95.1	95.1	95.1	Mean
			Manganese	1 / 1	720	720	N/A	864	721	864	Result*CF
			Nickel	1 / 1	19.3	19.3	N/A	23.2	19.3	23.2	Result*CF
			Thallium	1 / 1	0.215	0.215	N/A	0.258	0.215	0.258	Result*CF
			Vanadium	1 / 1	31.4	31.4	N/A	37.7	31.5	37.7	Result*CF
076-H1	243	House	Aluminum	1 / 1	17100	17100	N/A	20500	17100	20500	Result*CF
			Antimony	1 / 1	1.32	1.32	N/A	1.58	1.32	1.58	Result*CF
			Arsenic	1 / 1	12.7	12.7	N/A	15.2	12.7	15.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.08	2.08	N/A	2.49	2.08	2.49	Result*CF
			Cadmium	1 / 1	3.36	3.36	N/A	4.03	3.37	4.03	Result*CF
			Chromium	1 / 1	26.2	26.2	N/A	31.4	26.3	31.4	Result*CF
			Cobalt	1 / 1	8.02	8.02	N/A	9.62	8.04	9.62	Result*CF
			Iron	1 / 1	18700	18700	N/A	22400	18700	22400	Result*CF
			Lead	1 / 1	111	111	N/A	111	111	111	Mean
			RBA Adjusted Lead	1 / 1	93.4	93.4	N/A	93.4	93.4	93.4	Mean
			Manganese	1 / 1	978	978	N/A	1170	980	1170	Result*CF
			Nickel	1 / 1	20.7	20.7	N/A	24.8	20.7	24.8	Result*CF
			Thallium	1 / 1	0.217	0.217	N/A	0.26	0.217	0.26	Result*CF
			Vanadium	1 / 1	32.2	32.2	N/A	38.6	32.3	38.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
076-H2	244	House	Aluminum	3 / 3	20500	19700	1080	21600	18000	21600	95% t-statistic UCL
			Antimony	3 / 3	1.43	1.34	0.0833	1.48	1.23	1.48	95% t-statistic UCL
			Arsenic	3 / 3	17.2	15	1.97	18.3	15.3	18.3	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.82	2.45	0.322	2.99	2.5	2.99	95% t-statistic UCL
			Cadmium	3 / 3	2.99	2.82	0.165	3.1	2.59	3.1	95% t-statistic UCL
			Chromium	3 / 3	22.8	22	0.721	23.2	19.4	23.2	95% t-statistic UCL
			Cobalt	3 / 3	8.2	7.74	0.493	8.57	7.16	8.57	95% t-statistic UCL
			Iron	3 / 3	18800	18400	693	19600	16300	19600	95% t-statistic UCL
			Lead	3 / 3	113	109	3.79	109	109	109	Mean
			RBA Adjusted Lead	3 / 3	95.1	91.4	3.19	91.4	91.4	91.4	Mean
			Manganese	3 / 3	667	651	20.4	685	572	685	95% t-statistic UCL
			Nickel	3 / 3	20.3	19.2	1.29	21.4	17.9	21.4	95% t-statistic UCL
			Thallium	3 / 3	0.213	0.205	0.0136	0.228	0.19	0.228	95% t-statistic UCL
			Vanadium	3 / 3	33.8	31.9	2.01	35.3	29.5	35.3	95% t-statistic UCL
076-N1	245	Animal Activity Area	Aluminum	1 / 1	18800	18800	N/A	22600	18800	22600	Result*CF
			Antimony	1 / 1	3.02	3.02	N/A	3.62	3.03	3.62	Result*CF
			Arsenic	1 / 1	15.6	15.6	N/A	18.7	15.6	18.7	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.55	2.55	N/A	3.06	2.56	3.06	Result*CF
			Cadmium	1 / 1	3.09	3.09	N/A	3.71	3.1	3.71	Result*CF
			Chromium	1 / 1	26.4	26.4	N/A	31.7	26.5	31.7	Result*CF
			Cobalt	1 / 1	7.89	7.89	N/A	9.47	7.91	9.47	Result*CF
			Iron	1 / 1	19200	19200	N/A	23000	19200	23000	Result*CF
			Lead	1 / 1	187	187	N/A	187	187	187	Mean
			RBA Adjusted Lead	1 / 1	157	157	N/A	157	157	157	Mean
			Manganese	1 / 1	633	633	N/A	760	634	760	Result*CF
			Nickel	1 / 1	19.9	19.9	N/A	23.9	19.9	23.9	Result*CF
			Thallium	1 / 1	0.22	0.22	N/A	0.264	0.22	0.264	Result*CF
			Vanadium	1 / 1	31	31	N/A	37.2	31.1	37.2	Result*CF
077-A1	246	Agriculture	Aluminum	1 / 1	10300	10300	N/A	12400	10300	12400	Result*CF
			Antimony	1 / 1	0.381	0.381	N/A	0.457	0.382	0.457	Result*CF
			Arsenic	1 / 1	4.13	4.13	N/A	4.96	4.14	4.96	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.676	0.676	N/A	0.811	0.677	0.811	Result*CF
			Cadmium	1 / 1	0.746	0.746	N/A	0.895	0.747	0.895	Result*CF
			Chromium	1 / 1	13.9	13.9	N/A	16.7	13.9	16.7	Result*CF
			Cobalt	1 / 1	4.16	4.16	N/A	4.99	4.17	4.99	Result*CF
			Iron	1 / 1	12900	12900	N/A	15500	12900	15500	Result*CF
			Lead	1 / 1	38.3	38.3	N/A	38.3	38.3	38.3	Mean
			RBA Adjusted Lead	1 / 1	32.2	32.2	N/A	32.2	32.2	32.2	Mean
			Manganese	1 / 1	259	259	N/A	311	260	311	Result*CF
			Nickel	1 / 1	11.7	11.7	N/A	14	11.7	14	Result*CF
			Thallium	1 / 1	0.112	0.112	N/A	0.134	0.112	0.134	Result*CF
			Vanadium	1 / 1	18.9	18.9	N/A	22.7	18.9	22.7	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
077-A2	247	Agriculture	Aluminum	1 / 1	9520	9520	N/A	11400	9540	11400	Result*CF
			Antimony	1 / 1	0.423	0.423	N/A	0.508	0.424	0.508	Result*CF
			Arsenic	1 / 1	3.43	3.43	N/A	4.12	3.44	4.12	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.561	0.561	N/A	0.674	0.563	0.674	Result*CF
			Cadmium	1 / 1	0.931	0.931	N/A	1.12	0.933	1.12	Result*CF
			Chromium	1 / 1	13.7	13.7	N/A	16.4	13.7	16.4	Result*CF
			Cobalt	1 / 1	3.86	3.86	N/A	4.63	3.87	4.63	Result*CF
			Iron	1 / 1	12300	12300	N/A	14800	12300	14800	Result*CF
			Lead	1 / 1	37.2	37.2	N/A	37.2	37.2	37.2	Mean
			RBA Adjusted Lead	1 / 1	31.3	31.3	N/A	31.3	31.3	31.3	Mean
			Manganese	1 / 1	258	258	N/A	310	259	310	Result*CF
			Nickel	1 / 1	10.8	10.8	N/A	13	10.8	13	Result*CF
			Thallium	1 / 1	0.119	0.119	N/A	0.143	0.119	0.143	Result*CF
			Vanadium	1 / 1	17.8	17.8	N/A	21.4	17.8	21.4	Result*CF
077-G1	249	Garden	Aluminum	1 / 1	11300	11300	N/A	13600	11300	13600	Result*CF
			Antimony	1 / 1	0.402	0.402	N/A	0.482	0.403	0.482	Result*CF
			Arsenic	1 / 1	3.94	3.94	N/A	4.73	3.95	4.73	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.645	0.645	N/A	0.774	0.646	0.774	Result*CF
			Cadmium	1 / 1	0.718	0.718	N/A	0.862	0.719	0.862	Result*CF
			Chromium	1 / 1	15.4	15.4	N/A	18.5	15.4	18.5	Result*CF
			Cobalt	1 / 1	4.55	4.55	N/A	5.46	4.56	5.46	Result*CF
			Iron	1 / 1	13800	13800	N/A	16600	13800	16600	Result*CF
			Lead	1 / 1	33.8	33.8	N/A	33.8	33.8	33.8	Mean
			RBA Adjusted Lead	1 / 1	28.4	28.4	N/A	28.4	28.4	28.4	Mean
			Manganese	1 / 1	257	257	N/A	308	258	308	Result*CF
			Nickel	1 / 1	12.4	12.4	N/A	14.9	12.4	14.9	Result*CF
			Thallium	1 / 1	0.123	0.123	N/A	0.148	0.123	0.148	Result*CF
			Vanadium	1 / 1	20.7	20.7	N/A	24.8	20.7	24.8	Result*CF
077-H1	250	House	Aluminum	3 / 3	10000	9900	138	10100	8460	10100	95% t-statistic UCL
			Antimony	3 / 3	0.479	0.463	0.015	0.489	0.408	0.489	95% t-statistic UCL
			Arsenic	3 / 3	5.06	4.9	0.14	5.14	4.29	5.14	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.828	0.803	0.0229	0.841	0.702	0.841	95% t-statistic UCL
			Cadmium	3 / 3	0.953	0.894	0.0533	0.983	0.821	0.983	95% t-statistic UCL
			Chromium	3 / 3	16.1	15.5	0.777	16.8	14	16.8	95% t-statistic UCL
			Cobalt	3 / 3	4.48	4.44	0.0586	4.54	3.79	4.54	95% t-statistic UCL
			Iron	3 / 3	13200	13100	100	13300	11100	13300	95% t-statistic UCL
			Lead	3 / 3	44.9	43.2	1.57	43.2	43.2	43.2	Mean
			RBA Adjusted Lead	3 / 3	37.8	36.3	1.32	36.3	36.3	36.3	Mean
			Manganese	3 / 3	267	262	4.73	270	225	270	95% t-statistic UCL
			Nickel	3 / 3	13	12.6	0.404	13.3	11.1	13.3	95% t-statistic UCL
			Thallium	3 / 3	0.141	0.137	0.00346	0.143	0.119	0.143	95% t-statistic UCL
			Vanadium	3 / 3	20.9	20.5	0.529	21.4	17.9	21.4	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
077-H2	251	House	Aluminum	1 / 1	10100	10100	N/A	12100	10100	12100	Result*CF
			Antimony	1 / 1	0.466	0.466	N/A	0.559	0.467	0.559	Result*CF
			Arsenic	1 / 1	4.05	4.05	N/A	4.86	4.06	4.86	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.663	0.663	N/A	0.795	0.664	0.795	Result*CF
			Cadmium	1 / 1	0.916	0.916	N/A	1.1	0.918	1.1	Result*CF
			Chromium	1 / 1	15.2	15.2	N/A	18.2	15.2	18.2	Result*CF
			Cobalt	1 / 1	4.24	4.24	N/A	5.09	4.25	5.09	Result*CF
			Iron	1 / 1	12800	12800	N/A	15400	12800	15400	Result*CF
			Lead	1 / 1	44.2	44.2	N/A	44.2	44.2	44.2	Mean
			RBA Adjusted Lead	1 / 1	37.2	37.2	N/A	37.2	37.2	37.2	Mean
			Manganese	1 / 1	276	276	N/A	331	277	331	Result*CF
			Nickel	1 / 1	11.8	11.8	N/A	14.2	11.8	14.2	Result*CF
			Thallium	1 / 1	0.128	0.128	N/A	0.154	0.128	0.154	Result*CF
			Vanadium	1 / 1	19.1	19.1	N/A	22.9	19.1	22.9	Result*CF
077-N1	252	Animal Activity Area	Aluminum	1 / 1	10600	10600	N/A	12700	10600	12700	Result*CF
			Antimony	1 / 1	0.484	0.484	N/A	0.581	0.485	0.581	Result*CF
			Arsenic	1 / 1	4.32	4.32	N/A	5.18	4.33	5.18	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.707	0.707	N/A	0.849	0.709	0.849	Result*CF
			Cadmium	1 / 1	0.817	0.817	N/A	0.98	0.819	0.98	Result*CF
			Chromium	1 / 1	18.4	18.4	N/A	22.1	18.4	22.1	Result*CF
			Cobalt	1 / 1	4.56	4.56	N/A	5.47	4.57	5.47	Result*CF
			Iron	1 / 1	13500	13500	N/A	16200	13500	16200	Result*CF
			Lead	1 / 1	41.3	41.3	N/A	41.3	41.3	41.3	Mean
			RBA Adjusted Lead	1 / 1	34.7	34.7	N/A	34.7	34.7	34.7	Mean
			Manganese	1 / 1	255	255	N/A	306	256	306	Result*CF
			Nickel	1 / 1	13.5	13.5	N/A	16.2	13.5	16.2	Result*CF
			Thallium	1 / 1	0.138	0.138	N/A	0.166	0.138	0.166	Result*CF
			Vanadium	1 / 1	20.4	20.4	N/A	24.5	20.4	24.5	Result*CF
078-G1	253	Garden	Aluminum	1 / 1	10800	10800	N/A	13000	10800	13000	Result*CF
			Antimony	1 / 1	0.35	0.35	N/A	0.42	0.351	0.42	Result*CF
			Arsenic	1 / 1	4.56	4.56	N/A	5.47	4.57	5.47	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.746	0.746	N/A	0.896	0.748	0.896	Result*CF
			Cadmium	1 / 1	1.12	1.12	N/A	1.34	1.12	1.34	Result*CF
			Chromium	1 / 1	14.1	14.1	N/A	16.9	14.1	16.9	Result*CF
			Cobalt	1 / 1	4.37	4.37	N/A	5.24	4.38	5.24	Result*CF
			Iron	1 / 1	13000	13000	N/A	15600	13000	15600	Result*CF
			Lead	1 / 1	45.1	45.1	N/A	45.1	45.1	45.1	Mean
			RBA Adjusted Lead	1 / 1	37.9	37.9	N/A	37.9	37.9	37.9	Mean
			Manganese	1 / 1	344	344	N/A	413	345	413	Result*CF
			Nickel	1 / 1	12.1	12.1	N/A	14.5	12.1	14.5	Result*CF
			Thallium	1 / 1	0.121	0.121	N/A	0.145	0.121	0.145	Result*CF
			Vanadium	1 / 1	18.5	18.5	N/A	22.2	18.5	22.2	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
078-H1	254	House	Aluminum	3 / 3	9390	9330	89.6	9480	7920	9480	95% t-statistic UCL
			Antimony	3 / 3	0.236	0.226	0.0127	0.248	0.207	0.248	95% t-statistic UCL
			Arsenic	3 / 3	3.22	3.14	0.139	3.37	2.82	3.37	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.527	0.514	0.0227	0.552	0.461	0.552	95% t-statistic UCL
			Cadmium	3 / 3	0.774	0.758	0.0184	0.789	0.659	0.789	95% t-statistic UCL
			Chromium	3 / 3	13.4	13.1	0.493	13.9	11.6	13.9	95% t-statistic UCL
			Cobalt	3 / 3	4.1	3.97	0.147	4.22	3.52	4.22	95% t-statistic UCL
			Iron	3 / 3	12700	12600	57.7	12700	10600	12700	95% t-statistic UCL
			Lead	3 / 3	30.3	29.2	0.971	29.2	29.2	29.2	Mean
			RBA Adjusted Lead	3 / 3	25.5	24.6	0.817	24.6	24.6	24.6	Mean
			Manganese	3 / 3	252	244	7.64	257	214	257	95% t-statistic UCL
			Nickel	3 / 3	11.7	11.3	0.529	12.2	10.2	12.2	95% t-statistic UCL
			Thallium	3 / 3	0.115	0.114	0.00115	0.116	0.0971	0.116	95% t-statistic UCL
			Vanadium	3 / 3	18.2	17.8	0.693	19	15.8	19	95% t-statistic UCL
078-N1	255	Animal Activity Area	Aluminum	1 / 1	9310	9310	N/A	11200	9330	11200	Result*CF
			Antimony	1 / 1	0.274	0.274	N/A	0.329	0.275	0.329	Result*CF
			Arsenic	1 / 1	3.73	3.73	N/A	4.48	3.74	4.48	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.611	0.611	N/A	0.733	0.612	0.733	Result*CF
			Cadmium	1 / 1	0.669	0.669	N/A	0.803	0.67	0.803	Result*CF
			Chromium	1 / 1	13.2	13.2	N/A	15.8	13.2	15.8	Result*CF
			Cobalt	1 / 1	3.9	3.9	N/A	4.68	3.91	4.68	Result*CF
			Iron	1 / 1	11500	11500	N/A	13800	11500	13800	Result*CF
			Lead	1 / 1	31.9	31.9	N/A	31.9	31.9	31.9	Mean
			RBA Adjusted Lead	1 / 1	26.8	26.8	N/A	26.8	26.8	26.8	Mean
			Manganese	1 / 1	241	241	N/A	289	241	289	Result*CF
			Nickel	1 / 1	11.4	11.4	N/A	13.7	11.4	13.7	Result*CF
			Thallium	1 / 1	0.107	0.107	N/A	0.128	0.107	0.128	Result*CF
			Vanadium	1 / 1	16.5	16.5	N/A	19.8	16.5	19.8	Result*CF
078-O1	256	Other -Not Specified	Aluminum	1 / 1	10700	10700	N/A	12800	10700	12800	Result*CF
			Antimony	1 / 1	0.259	0.259	N/A	0.311	0.26	0.311	Result*CF
			Arsenic	1 / 1	3.68	3.68	N/A	4.42	3.69	4.42	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.602	0.602	N/A	0.723	0.604	0.723	Result*CF
			Cadmium	1 / 1	0.877	0.877	N/A	1.05	0.879	1.05	Result*CF
			Chromium	1 / 1	14.5	14.5	N/A	17.4	14.5	17.4	Result*CF
			Cobalt	1 / 1	4.49	4.49	N/A	5.39	4.5	5.39	Result*CF
			Iron	1 / 1	13800	13800	N/A	16600	13800	16600	Result*CF
			Lead	1 / 1	38.1	38.1	N/A	38.1	38.1	38.1	Mean
			RBA Adjusted Lead	1 / 1	32.1	32.1	N/A	32.1	32.1	32.1	Mean
			Manganese	1 / 1	304	304	N/A	365	305	365	Result*CF
			Nickel	1 / 1	12.4	12.4	N/A	14.9	12.4	14.9	Result*CF
			Thallium	1 / 1	0.128	0.128	N/A	0.154	0.128	0.154	Result*CF
			Vanadium	1 / 1	18.7	18.7	N/A	22.4	18.7	22.4	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
079-H1	257	House	Aluminum	1 / 1	15600	15600	N/A	18700	15600	18700	Result*CF
			Antimony	1 / 1	0.923	0.923	N/A	1.11	0.925	1.11	Result*CF
			Arsenic	1 / 1	9.74	9.74	N/A	11.7	9.76	11.7	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.59	1.59	N/A	1.91	1.6	1.91	Result*CF
			Cadmium	1 / 1	2.2	2.2	N/A	2.64	2.2	2.64	Result*CF
			Chromium	1 / 1	14.3	14.3	N/A	17.2	14.3	17.2	Result*CF
			Cobalt	1 / 1	5.18	5.18	N/A	6.22	5.19	6.22	Result*CF
			Iron	1 / 1	16100	16100	N/A	19300	16100	19300	Result*CF
			Lead	1 / 1	83	83	N/A	83	83	83	Mean
			RBA Adjusted Lead	1 / 1	69.8	69.8	N/A	69.8	69.8	69.8	Mean
			Manganese	1 / 1	435	435	N/A	522	436	522	Result*CF
			Nickel	1 / 1	14.9	14.9	N/A	17.9	14.9	17.9	Result*CF
			Thallium	1 / 1	0.189	0.189	N/A	0.227	0.189	0.227	Result*CF
			Vanadium	1 / 1	22.4	22.4	N/A	26.9	22.4	26.9	Result*CF
079-H2	258	House	Aluminum	3 / 3	21300	20700	529	21600	18000	21600	95% t-statistic UCL
			Antimony	3 / 3	1.65	1.64	0.00577	1.65	1.38	1.65	95% t-statistic UCL
			Arsenic	3 / 3	18.1	17.9	0.321	18.4	15.4	18.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.96	2.92	0.0526	3.01	2.52	3.01	95% t-statistic UCL
			Cadmium	3 / 3	3.57	3.46	0.136	3.69	3.08	3.69	95% t-statistic UCL
			Chromium	3 / 3	14.6	14.4	0.252	14.8	12.4	14.8	95% t-statistic UCL
			Cobalt	3 / 3	6.56	6.47	0.115	6.66	5.56	6.66	95% t-statistic UCL
			Iron	3 / 3	17800	17400	451	18100	15100	18100	95% t-statistic UCL
			Lead	3 / 3	152	145	8.08	145	145	145	Mean
			RBA Adjusted Lead	3 / 3	128	122	6.8	122	122	122	Mean
			Manganese	3 / 3	726	705	18.9	737	615	737	95% t-statistic UCL
			Nickel	3 / 3	23.2	22.9	0.265	23.3	19.5	23.3	95% t-statistic UCL
			Thallium	3 / 3	0.289	0.285	0.00693	0.297	0.248	0.297	95% t-statistic UCL
			Vanadium	3 / 3	25.3	24.7	0.896	26.2	21.9	26.2	95% t-statistic UCL
080-H1	259	House	Aluminum	3 / 3	18100	16900	1260	19100	15900	19100	95% t-statistic UCL
			Antimony	3 / 3	0.562	0.545	0.0166	0.573	0.478	0.573	95% t-statistic UCL
			Arsenic	3 / 3	13.7	13	0.819	14.4	12	14.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.24	2.13	0.134	2.35	1.97	2.35	95% t-statistic UCL
			Cadmium	3 / 3	1.04	0.97	0.0889	1.12	0.935	1.12	95% t-statistic UCL
			Chromium	3 / 3	32.6	30.1	2.36	34.1	28.5	34.1	95% t-statistic UCL
			Cobalt	3 / 3	13.4	12.2	1.11	14.1	11.8	14.1	95% t-statistic UCL
			Iron	3 / 3	23800	22800	889	24300	20300	24300	95% t-statistic UCL
			Lead	3 / 3	29.7	28.1	2.54	28.1	28.1	28.1	Mean
			RBA Adjusted Lead	3 / 3	25	23.7	2.14	23.7	23.7	23.7	Mean
			Manganese	3 / 3	551	521	34.8	580	484	580	95% t-statistic UCL
			Nickel	3 / 3	38.3	35.9	2.68	40.4	33.7	40.4	95% t-statistic UCL
			Thallium	3 / 3	0.239	0.203	0.0355	0.263	0.22	0.263	95% t-statistic UCL
			Vanadium	3 / 3	46.2	43.8	2.18	47.5	39.7	47.5	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
081-A1	260	Agriculture	Aluminum	1 / 1	14300	14300	N/A	17200	14300	17200	Result*CF
			Antimony	1 / 1	0.565	0.565	N/A	0.678	0.566	0.678	Result*CF
			Arsenic	1 / 1	5.84	5.84	N/A	7.01	5.85	7.01	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.956	0.956	N/A	1.15	0.958	1.15	Result*CF
			Cadmium	1 / 1	1.19	1.19	N/A	1.43	1.19	1.43	Result*CF
			Chromium	1 / 1	18.9	18.9	N/A	22.7	18.9	22.7	Result*CF
			Cobalt	1 / 1	6.66	6.66	N/A	7.99	6.67	7.99	Result*CF
			Iron	1 / 1	16800	16800	N/A	20200	16800	20200	Result*CF
			Lead	1 / 1	43.1	43.1	N/A	43.1	43.1	43.1	Mean
			RBA Adjusted Lead	1 / 1	36.3	36.3	N/A	36.3	36.3	36.3	Mean
			Manganese	1 / 1	426	426	N/A	511	427	511	Result*CF
			Nickel	1 / 1	16	16	N/A	19.2	16	19.2	Result*CF
			Thallium	1 / 1	0.157	0.157	N/A	0.188	0.157	0.188	Result*CF
			Vanadium	1 / 1	27.5	27.5	N/A	33	27.6	33	Result*CF
081-H1	262	House	Aluminum	3 / 3	13500	13200	306	13700	11500	13700	95% t-statistic UCL
			Antimony	3 / 3	0.792	0.785	0.00945	0.801	0.669	0.801	95% t-statistic UCL
			Arsenic	3 / 3	10.5	10.1	0.332	10.7	8.94	10.7	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.72	1.66	0.0544	1.75	1.46	1.75	95% t-statistic UCL
			Cadmium	3 / 3	2.29	1.83	0.398	2.5	2.09	2.5	95% t-statistic UCL
			Chromium	3 / 3	26.6	25.7	1.07	27.5	22.9	27.5	95% t-statistic UCL
			Cobalt	3 / 3	10.4	10.2	0.2	10.5	8.8	10.5	95% t-statistic UCL
			Iron	3 / 3	22200	21800	351	22400	18700	22400	95% t-statistic UCL
			Lead	3 / 3	55.6	54.1	1.86	54.1	54.1	54.1	Mean
			RBA Adjusted Lead	3 / 3	46.8	45.5	1.56	45.5	45.5	45.5	Mean
			Manganese	3 / 3	504	481	21	516	431	516	95% t-statistic UCL
			Nickel	3 / 3	25.2	24.7	0.757	25.9	21.7	25.9	95% t-statistic UCL
			Thallium	3 / 3	0.177	0.175	0.00208	0.178	0.149	0.178	95% t-statistic UCL
			Vanadium	3 / 3	37.5	36.2	1.21	38.2	31.9	38.2	95% t-statistic UCL
081-O1	263	Other -Not Specified	Aluminum	1 / 1	15800	15800	N/A	19000	15800	19000	Result*CF
			Antimony	1 / 1	1.54	1.54	N/A	1.85	1.54	1.85	Result*CF
			Arsenic	1 / 1	10.9	10.9	N/A	13.1	10.9	13.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.78	1.78	N/A	2.14	1.79	2.14	Result*CF
			Cadmium	1 / 1	4.16	4.16	N/A	4.99	4.17	4.99	Result*CF
			Chromium	1 / 1	22.7	22.7	N/A	27.2	22.7	27.2	Result*CF
			Cobalt	1 / 1	9.91	9.91	N/A	11.9	9.93	11.9	Result*CF
			Iron	1 / 1	21800	21800	N/A	26200	21800	26200	Result*CF
			Lead	1 / 1	150	150	N/A	150	150	150	Mean
			RBA Adjusted Lead	1 / 1	126	126	N/A	126	126	126	Mean
			Manganese	1 / 1	620	620	N/A	744	621	744	Result*CF
			Nickel	1 / 1	22.4	22.4	N/A	26.9	22.4	26.9	Result*CF
			Thallium	1 / 1	0.239	0.239	N/A	0.287	0.239	0.287	Result*CF
			Vanadium	1 / 1	32.6	32.6	N/A	39.1	32.7	39.1	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
082-G1	264	Garden	Aluminum	1 / 1	10800	10800	N/A	13000	10800	13000	Result*CF
			Antimony	1 / 1	0.319	0.319	N/A	0.383	0.32	0.383	Result*CF
			Arsenic	1 / 1	4.65	4.65	N/A	5.58	4.66	5.58	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.761	0.761	N/A	0.913	0.763	0.913	Result*CF
			Cadmium	1 / 1	0.657	0.657	N/A	0.788	0.658	0.788	Result*CF
			Chromium	1 / 1	13	13	N/A	15.6	13	15.6	Result*CF
			Cobalt	1 / 1	4.48	4.48	N/A	5.38	4.49	5.38	Result*CF
			Iron	1 / 1	12900	12900	N/A	15500	12900	15500	Result*CF
			Lead	1 / 1	27.1	27.1	N/A	27.1	27.1	27.1	Mean
			RBA Adjusted Lead	1 / 1	22.8	22.8	N/A	22.8	22.8	22.8	Mean
			Manganese	1 / 1	310	310	N/A	372	311	372	Result*CF
			Nickel	1 / 1	11.5	11.5	N/A	13.8	11.5	13.8	Result*CF
			Thallium	1 / 1	0.128	0.128	N/A	0.154	0.128	0.154	Result*CF
			Vanadium	1 / 1	19.6	19.6	N/A	23.5	19.6	23.5	Result*CF
082-G2	265	Garden	Aluminum	1 / 1	14400	14400	N/A	17300	14400	17300	Result*CF
			Antimony	1 / 1	0.517	0.517	N/A	0.62	0.518	0.62	Result*CF
			Arsenic	1 / 1	6.54	6.54	N/A	7.85	6.55	7.85	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.07	1.07	N/A	1.28	1.07	1.28	Result*CF
			Cadmium	1 / 1	1.26	1.26	N/A	1.51	1.26	1.51	Result*CF
			Chromium	1 / 1	12.8	12.8	N/A	15.4	12.8	15.4	Result*CF
			Cobalt	1 / 1	4.69	4.69	N/A	5.63	4.7	5.63	Result*CF
			Iron	1 / 1	12900	12900	N/A	15500	12900	15500	Result*CF
			Lead	1 / 1	48.8	48.8	N/A	48.8	48.8	48.8	Mean
			RBA Adjusted Lead	1 / 1	41.1	41.1	N/A	41.1	41.1	41.1	Mean
			Manganese	1 / 1	386	386	N/A	463	387	463	Result*CF
			Nickel	1 / 1	11.5	11.5	N/A	13.8	11.5	13.8	Result*CF
			Thallium	1 / 1	0.143	0.143	N/A	0.172	0.143	0.172	Result*CF
			Vanadium	1 / 1	19.5	19.5	N/A	23.4	19.5	23.4	Result*CF
082-H1	266	House	Aluminum	3 / 3	12100	11800	252	12300	10200	12300	95% t-statistic UCL
			Antimony	3 / 3	0.464	0.442	0.0199	0.476	0.397	0.476	95% t-statistic UCL
			Arsenic	3 / 3	5.52	5.33	0.169	5.62	4.69	5.62	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.904	0.873	0.0277	0.92	0.768	0.92	95% t-statistic UCL
			Cadmium	3 / 3	1.25	1.19	0.0666	1.31	1.09	1.31	95% t-statistic UCL
			Chromium	3 / 3	14.6	14.2	0.458	15	12.5	15	95% t-statistic UCL
			Cobalt	3 / 3	4.88	4.78	0.105	4.95	4.14	4.95	95% t-statistic UCL
			Iron	3 / 3	14600	14400	265	14800	12400	14800	95% t-statistic UCL
			Lead	3 / 3	52.2	49.6	2.6	49.6	49.6	49.6	Mean
			RBA Adjusted Lead	3 / 3	43.9	41.8	2.19	41.8	41.8	41.8	Mean
			Manganese	3 / 3	362	357	5.03	366	305	366	95% t-statistic UCL
			Nickel	3 / 3	12.2	11.8	0.4	12.5	10.4	12.5	95% t-statistic UCL
			Thallium	3 / 3	0.151	0.145	0.00557	0.154	0.129	0.154	95% t-statistic UCL
			Vanadium	3 / 3	23	22.4	0.737	23.7	19.8	23.7	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
082-N1	267	Animal Activity Area	Aluminum	1 / 1	12500	12500	N/A	15000	12500	15000	Result*CF
			Antimony	1 / 1	0.475	0.475	N/A	0.57	0.476	0.57	Result*CF
			Arsenic	1 / 1	5.7	5.7	N/A	6.84	5.71	6.84	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.933	0.933	N/A	1.12	0.935	1.12	Result*CF
			Cadmium	1 / 1	1.08	1.08	N/A	1.3	1.08	1.3	Result*CF
			Chromium	1 / 1	13.5	13.5	N/A	16.2	13.5	16.2	Result*CF
			Cobalt	1 / 1	4.31	4.31	N/A	5.17	4.32	5.17	Result*CF
			Iron	1 / 1	13500	13500	N/A	16200	13500	16200	Result*CF
			Lead	1 / 1	42.1	42.1	N/A	42.1	42.1	42.1	Mean
			RBA Adjusted Lead	1 / 1	35.4	35.4	N/A	35.4	35.4	35.4	Mean
			Manganese	1 / 1	369	369	N/A	443	370	443	Result*CF
			Nickel	1 / 1	11.7	11.7	N/A	14	11.7	14	Result*CF
			Thallium	1 / 1	0.13	0.13	N/A	0.156	0.13	0.156	Result*CF
			Vanadium	1 / 1	20.5	20.5	N/A	24.6	20.5	24.6	Result*CF
082-N2	268	Animal Activity Area	Aluminum	1 / 1	13400	13400	N/A	16100	13400	16100	Result*CF
			Antimony	1 / 1	0.506	0.506	N/A	0.607	0.507	0.607	Result*CF
			Arsenic	1 / 1	6.38	6.38	N/A	7.66	6.39	7.66	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.04	1.04	N/A	1.25	1.05	1.25	Result*CF
			Cadmium	1 / 1	1.34	1.34	N/A	1.61	1.34	1.61	Result*CF
			Chromium	1 / 1	12.8	12.8	N/A	15.4	12.8	15.4	Result*CF
			Cobalt	1 / 1	4.59	4.59	N/A	5.51	4.6	5.51	Result*CF
			Iron	1 / 1	13100	13100	N/A	15700	13100	15700	Result*CF
			Lead	1 / 1	51	51	N/A	51	51	51	Mean
			RBA Adjusted Lead	1 / 1	42.9	42.9	N/A	42.9	42.9	42.9	Mean
			Manganese	1 / 1	403	403	N/A	484	404	484	Result*CF
			Nickel	1 / 1	11.6	11.6	N/A	13.9	11.6	13.9	Result*CF
			Thallium	1 / 1	0.153	0.153	N/A	0.184	0.153	0.184	Result*CF
			Vanadium	1 / 1	19.3	19.3	N/A	23.2	19.3	23.2	Result*CF
083-G1	269	Garden	Aluminum	1 / 1	15500	15500	N/A	18600	15500	18600	Result*CF
			Antimony	1 / 1	0.527	0.527	N/A	0.632	0.528	0.632	Result*CF
			Arsenic	1 / 1	8.07	8.07	N/A	9.68	8.09	9.68	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.32	1.32	N/A	1.59	1.32	1.59	Result*CF
			Cadmium	1 / 1	1.22	1.22	N/A	1.46	1.22	1.46	Result*CF
			Chromium	1 / 1	19	19	N/A	22.8	19	22.8	Result*CF
			Cobalt	1 / 1	6.26	6.26	N/A	7.51	6.27	7.51	Result*CF
			Iron	1 / 1	16300	16300	N/A	19600	16300	19600	Result*CF
			Lead	1 / 1	42.1	42.1	N/A	42.1	42.1	42.1	Mean
			RBA Adjusted Lead	1 / 1	35.4	35.4	N/A	35.4	35.4	35.4	Mean
			Manganese	1 / 1	384	384	N/A	461	385	461	Result*CF
			Nickel	1 / 1	15.7	15.7	N/A	18.8	15.7	18.8	Result*CF
			Thallium	1 / 1	0.159	0.159	N/A	0.191	0.159	0.191	Result*CF
			Vanadium	1 / 1	28.2	28.2	N/A	33.8	28.3	33.8	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
083-G2	270	Garden	Aluminum	1 / 1	14700	14700	N/A	17600	14700	17600	Result*CF
			Antimony	1 / 1	0.572	0.572	N/A	0.686	0.573	0.686	Result*CF
			Arsenic	1 / 1	7.63	7.63	N/A	9.16	7.65	9.16	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.25	1.25	N/A	1.5	1.25	1.5	Result*CF
			Cadmium	1 / 1	1.13	1.13	N/A	1.36	1.13	1.36	Result*CF
			Chromium	1 / 1	15.6	15.6	N/A	18.7	15.6	18.7	Result*CF
			Cobalt	1 / 1	5.6	5.6	N/A	6.72	5.61	6.72	Result*CF
			Iron	1 / 1	15400	15400	N/A	18500	15400	18500	Result*CF
			Lead	1 / 1	36.4	36.4	N/A	36.4	36.4	36.4	Mean
			RBA Adjusted Lead	1 / 1	30.6	30.6	N/A	30.6	30.6	30.6	Mean
			Manganese	1 / 1	384	384	N/A	461	385	461	Result*CF
			Nickel	1 / 1	13.4	13.4	N/A	16.1	13.4	16.1	Result*CF
			Thallium	1 / 1	0.142	0.142	N/A	0.17	0.142	0.17	Result*CF
			Vanadium	1 / 1	23.7	23.7	N/A	28.4	23.7	28.4	Result*CF
083-H1	271	House	Aluminum	3 / 3	13600	13300	265	13700	11500	13700	95% t-statistic UCL
			Antimony	3 / 3	0.76	0.642	0.104	0.818	0.683	0.818	95% t-statistic UCL
			Arsenic	3 / 3	9.15	8.74	0.481	9.55	7.98	9.55	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.5	1.43	0.0788	1.56	1.31	1.56	95% t-statistic UCL
			Cadmium	3 / 3	1.81	1.63	0.203	1.97	1.65	1.97	95% t-statistic UCL
			Chromium	3 / 3	20.3	19.3	1	21	17.5	21	95% t-statistic UCL
			Cobalt	3 / 3	6.84	6.5	0.33	7.06	5.89	7.06	95% t-statistic UCL
			Iron	3 / 3	16800	16600	173	16900	14100	16900	95% t-statistic UCL
			Lead	3 / 3	62.8	52.8	9.03	52.8	52.8	52.8	Mean
			RBA Adjusted Lead	3 / 3	52.8	44.4	7.6	44.4	44.4	44.4	Mean
			Manganese	3 / 3	386	384	1.73	387	323	387	95% t-statistic UCL
			Nickel	3 / 3	17.6	16.6	0.917	18.1	15.2	18.1	95% t-statistic UCL
			Thallium	3 / 3	0.168	0.153	0.0131	0.175	0.146	0.175	95% t-statistic UCL
			Vanadium	3 / 3	29.7	28.2	1.5	30.7	25.7	30.7	95% t-statistic UCL
084-H1	273	House	Aluminum	3 / 3	14100	13900	173	14200	11900	14200	95% t-statistic UCL
			Antimony	3 / 3	0.652	0.602	0.0435	0.676	0.564	0.676	95% t-statistic UCL
			Arsenic	3 / 3	4.71	4.69	0.0252	4.73	3.95	4.73	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.771	0.767	0.00412	0.774	0.646	0.774	95% t-statistic UCL
			Cadmium	3 / 3	1.07	1	0.058	1.1	0.919	1.1	95% t-statistic UCL
			Chromium	3 / 3	22.6	22.4	0.208	22.7	19	22.7	95% t-statistic UCL
			Cobalt	3 / 3	7	6.72	0.242	7.13	5.95	7.13	95% t-statistic UCL
			Iron	3 / 3	20200	19800	404	20500	17100	20500	95% t-statistic UCL
			Lead	3 / 3	47.5	44.6	2.54	44.6	44.6	44.6	Mean
			RBA Adjusted Lead	3 / 3	40	37.5	2.13	37.5	37.5	37.5	Mean
			Manganese	3 / 3	500	496	6.66	507	423	507	95% t-statistic UCL
			Nickel	3 / 3	18.3	18.1	0.208	18.4	15.4	18.4	95% t-statistic UCL
			Thallium	3 / 3	0.182	0.179	0.00306	0.184	0.154	0.184	95% t-statistic UCL
			Vanadium	3 / 3	28.8	28.3	0.551	29.2	24.4	29.2	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
085-H1	275	House	Aluminum	3 / 3	11700	11500	265	11900	9970	11900	95% t-statistic UCL
			Antimony	3 / 3	0.928	0.899	0.0401	0.966	0.807	0.966	95% t-statistic UCL
			Arsenic	3 / 3	7.96	7.88	0.13	8.1	6.76	8.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.3	1.29	0.0213	1.33	1.11	1.33	95% t-statistic UCL
			Cadmium	3 / 3	1.99	1.96	0.0379	2.03	1.69	2.03	95% t-statistic UCL
			Chromium	3 / 3	14.9	14.6	0.265	15	12.6	15	95% t-statistic UCL
			Cobalt	3 / 3	5.93	5.77	0.165	6.04	5.05	6.04	95% t-statistic UCL
			Iron	3 / 3	15400	15300	231	15700	13100	15700	95% t-statistic UCL
			Lead	3 / 3	74.3	71.4	3.23	71.4	71.4	71.4	Mean
			RBA Adjusted Lead	3 / 3	62.5	60	2.72	60	60	60	Mean
			Manganese	3 / 3	494	489	5.57	498	416	498	95% t-statistic UCL
			Nickel	3 / 3	13.3	13.1	0.321	13.6	11.4	13.6	95% t-statistic UCL
			Thallium	3 / 3	0.181	0.174	0.00611	0.185	0.154	0.185	95% t-statistic UCL
			Vanadium	3 / 3	24.6	23.8	0.721	25	20.9	25	95% t-statistic UCL
085-O1	276	Other -Not Specified	Aluminum	1 / 1	11800	11800	N/A	14200	11800	14200	Result*CF
			Antimony	1 / 1	1.65	1.65	N/A	1.98	1.65	1.98	Result*CF
			Arsenic	1 / 1	10.1	10.1	N/A	12.1	10.1	12.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.65	1.65	N/A	1.98	1.66	1.98	Result*CF
			Cadmium	1 / 1	2.54	2.54	N/A	3.05	2.55	3.05	Result*CF
			Chromium	1 / 1	15.3	15.3	N/A	18.4	15.3	18.4	Result*CF
			Cobalt	1 / 1	8.29	8.29	N/A	9.95	8.31	9.95	Result*CF
			Iron	1 / 1	15000	15000	N/A	18000	15000	18000	Result*CF
			Lead	1 / 1	94.7	94.7	N/A	94.7	94.7	94.7	Mean
			RBA Adjusted Lead	1 / 1	79.7	79.7	N/A	79.7	79.7	79.7	Mean
			Manganese	1 / 1	549	549	N/A	659	550	659	Result*CF
			Nickel	1 / 1	16.4	16.4	N/A	19.7	16.4	19.7	Result*CF
			Thallium	1 / 1	0.184	0.184	N/A	0.221	0.184	0.221	Result*CF
			Vanadium	1 / 1	22.4	22.4	N/A	26.9	22.4	26.9	Result*CF
085-P1	277	Play Area	Aluminum	1 / 1	16200	16200	N/A	19400	16200	19400	Result*CF
			Antimony	1 / 1	1.79	1.79	N/A	2.15	1.79	2.15	Result*CF
			Arsenic	1 / 1	13.8	13.8	N/A	16.6	13.8	16.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.76	3.76	N/A	4.51	3.77	4.51	Result*CF
			Cadmium	1 / 1	4.12	4.12	N/A	4.94	4.13	4.94	Result*CF
			Chromium	1 / 1	18.5	18.5	N/A	22.2	18.5	22.2	Result*CF
			Cobalt	1 / 1	6.82	6.82	N/A	8.18	6.83	8.18	Result*CF
			Iron	1 / 1	16800	16800	N/A	20200	16800	20200	Result*CF
			Lead	1 / 1	144	144	N/A	144	144	144	Mean
			RBA Adjusted Lead	1 / 1	157	157	N/A	157	157	157	Mean
			Manganese	1 / 1	925	925	N/A	1110	927	1110	Result*CF
			Nickel	1 / 1	23	23	N/A	27.6	23	27.6	Result*CF
			Thallium	1 / 1	0.252	0.252	N/A	0.302	0.253	0.302	Result*CF
			Vanadium	1 / 1	21.1	21.1	N/A	25.3	21.1	25.3	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
086-G1	278	Garden	Aluminum	3 / 3	19000	18900	153	19100	16000	19100	95% t-statistic UCL
			Antimony	3 / 3	1.29	1.28	0.00577	1.29	1.08	1.29	95% t-statistic UCL
			Arsenic	3 / 3	10.1	10	0.0808	10.1	8.47	10.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.65	1.64	0.0132	1.66	1.39	1.66	95% t-statistic UCL
			Cadmium	3 / 3	2.23	2.2	0.0265	2.24	1.87	2.24	95% t-statistic UCL
			Chromium	3 / 3	14.8	14.3	0.458	15.1	12.6	15.1	95% t-statistic UCL
			Cobalt	3 / 3	5.65	5.6	0.0404	5.67	4.74	5.67	95% t-statistic UCL
			Iron	3 / 3	16600	16600	N/A	16600	13900	16600	95% t-statistic UCL
			Lead	3 / 3	86.4	85.7	1.07	85.7	85.7	85.7	Mean
			RBA Adjusted Lead	3 / 3	72.7	72.1	0.9	72.1	72.1	72.1	Mean
			Manganese	3 / 3	591	589	2.08	592	494	592	95% t-statistic UCL
			Nickel	3 / 3	11.8	11.6	0.208	11.9	9.95	11.9	95% t-statistic UCL
			Thallium	3 / 3	0.192	0.19	0.002	0.193	0.161	0.193	95% t-statistic UCL
			Vanadium	3 / 3	29.4	29	0.529	29.9	25	29.9	95% t-statistic UCL
086-H1	279	House	Aluminum	1 / 1	16400	16400	N/A	19700	16400	19700	Result*CF
			Antimony	1 / 1	0.88	0.88	N/A	1.06	0.882	1.06	Result*CF
			Arsenic	1 / 1	8.82	8.82	N/A	10.6	8.84	10.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.44	1.44	N/A	1.73	1.45	1.73	Result*CF
			Cadmium	1 / 1	1.73	1.73	N/A	2.08	1.73	2.08	Result*CF
			Chromium	1 / 1	12.5	12.5	N/A	15	12.5	15	Result*CF
			Cobalt	1 / 1	4.66	4.66	N/A	5.59	4.67	5.59	Result*CF
			Iron	1 / 1	15400	15400	N/A	18500	15400	18500	Result*CF
			Lead	1 / 1	72.3	72.3	N/A	72.3	72.3	72.3	Mean
			RBA Adjusted Lead	1 / 1	60.8	60.8	N/A	60.8	60.8	60.8	Mean
			Manganese	1 / 1	436	436	N/A	523	437	523	Result*CF
			Nickel	1 / 1	10.1	10.1	N/A	12.1	10.1	12.1	Result*CF
			Thallium	1 / 1	0.157	0.157	N/A	0.188	0.157	0.188	Result*CF
			Vanadium	1 / 1	26.4	26.4	N/A	31.7	26.5	31.7	Result*CF
086-H2	280	House	Aluminum	1 / 1	20800	20800	N/A	25000	20800	25000	Result*CF
			Antimony	1 / 1	1.38	1.38	N/A	1.66	1.38	1.66	Result*CF
			Arsenic	1 / 1	12.2	12.2	N/A	14.6	12.2	14.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	2	2	N/A	2.4	2	2.4	Result*CF
			Cadmium	1 / 1	3.08	3.08	N/A	3.7	3.09	3.7	Result*CF
			Chromium	1 / 1	14.5	14.5	N/A	17.4	14.5	17.4	Result*CF
			Cobalt	1 / 1	5.78	5.78	N/A	6.94	5.79	6.94	Result*CF
			Iron	1 / 1	16600	16600	N/A	19900	16600	19900	Result*CF
			Lead	1 / 1	110	110	N/A	110	110	110	Mean
			RBA Adjusted Lead	1 / 1	92.5	92.5	N/A	92.5	92.5	92.5	Mean
			Manganese	1 / 1	593	593	N/A	712	594	712	Result*CF
			Nickel	1 / 1	12.7	12.7	N/A	15.2	12.7	15.2	Result*CF
			Thallium	1 / 1	0.222	0.222	N/A	0.266	0.222	0.266	Result*CF
			Vanadium	1 / 1	29.6	29.6	N/A	35.5	29.7	35.5	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
087-H1	281	House	Aluminum	3 / 3	17600	17100	436	17800	14900	17800	95% t-statistic UCL
			Antimony	3 / 3	0.964	0.923	0.0358	0.983	0.821	0.983	95% t-statistic UCL
			Arsenic	3 / 3	8.42	8.02	0.395	8.69	7.26	8.69	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.38	1.31	0.0647	1.42	1.19	1.42	95% t-statistic UCL
			Cadmium	3 / 3	1.77	1.72	0.0458	1.8	1.5	1.8	95% t-statistic UCL
			Chromium	3 / 3	13.5	13.1	0.666	14.2	11.8	14.2	95% t-statistic UCL
			Cobalt	3 / 3	5.36	5.17	0.235	5.57	4.65	5.57	95% t-statistic UCL
			Iron	3 / 3	16200	15700	436	16400	13700	16400	95% t-statistic UCL
			Lead	3 / 3	62.8	61.4	1.24	61.4	61.4	61.4	Mean
			RBA Adjusted Lead	3 / 3	52.8	51.6	1.05	51.6	51.6	51.6	Mean
			Manganese	3 / 3	462	451	9.29	467	390	467	95% t-statistic UCL
			Nickel	3 / 3	11	10.8	0.346	11.4	9.51	11.4	95% t-statistic UCL
			Thallium	3 / 3	0.176	0.17	0.00603	0.18	0.151	0.18	95% t-statistic UCL
			Vanadium	3 / 3	26.3	25.6	1.15	27.6	23	27.6	95% t-statistic UCL
087-O1	282	Other -Not Specified	Aluminum	1 / 1	20600	20600	N/A	24700	20600	24700	Result*CF
			Antimony	1 / 1	1.46	1.46	N/A	1.75	1.46	1.75	Result*CF
			Arsenic	1 / 1	12.5	12.5	N/A	15	12.5	15	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.05	2.05	N/A	2.46	2.05	2.46	Result*CF
			Cadmium	1 / 1	3.14	3.14	N/A	3.77	3.15	3.77	Result*CF
			Chromium	1 / 1	12.6	12.6	N/A	15.1	12.6	15.1	Result*CF
			Cobalt	1 / 1	5.78	5.78	N/A	6.94	5.79	6.94	Result*CF
			Iron	1 / 1	16500	16500	N/A	19800	16500	19800	Result*CF
			Lead	1 / 1	110	110	N/A	110	110	110	Mean
			RBA Adjusted Lead	1 / 1	92.5	92.5	N/A	92.5	92.5	92.5	Mean
			Manganese	1 / 1	600	600	N/A	720	601	720	Result*CF
			Nickel	1 / 1	11.3	11.3	N/A	13.6	11.3	13.6	Result*CF
			Thallium	1 / 1	0.237	0.237	N/A	0.284	0.237	0.284	Result*CF
			Vanadium	1 / 1	27.2	27.2	N/A	32.6	27.3	32.6	Result*CF
088-H1	284	House	Aluminum	1 / 1	24300	24300	N/A	29200	24300	29200	Result*CF
			Antimony	1 / 1	2.44	2.44	N/A	2.93	2.44	2.93	Result*CF
			Arsenic	1 / 1	21.6	21.6	N/A	25.9	21.6	25.9	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.54	3.54	N/A	4.24	3.54	4.24	Result*CF
			Cadmium	1 / 1	5.5	5.5	N/A	6.6	5.51	6.6	Result*CF
			Chromium	1 / 1	16.7	16.7	N/A	20	16.7	20	Result*CF
			Cobalt	1 / 1	6.31	6.31	N/A	7.57	6.32	7.57	Result*CF
			Iron	1 / 1	18600	18600	N/A	22300	18600	22300	Result*CF
			Lead	1 / 1	219	219	N/A	219	219	219	Mean
			RBA Adjusted Lead	1 / 1	184	184	N/A	184	184	184	Mean
			Manganese	1 / 1	642	642	N/A	770	643	770	Result*CF
			Nickel	1 / 1	15.9	15.9	N/A	19.1	15.9	19.1	Result*CF
			Thallium	1 / 1	0.347	0.347	N/A	0.416	0.348	0.416	Result*CF
			Vanadium	1 / 1	31	31	N/A	37.2	31.1	37.2	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
088-H2	285	House	Aluminum	3 / 3	14600	14300	306	14800	12400	14800	95% t-statistic UCL
			Antimony	3 / 3	1.8	1.73	0.0586	1.83	1.53	1.83	95% t-statistic UCL
			Arsenic	3 / 3	16.2	15.6	0.557	16.5	13.8	16.5	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.65	2.55	0.0911	2.71	2.26	2.71	95% t-statistic UCL
			Cadmium	3 / 3	4.64	4.38	0.276	4.85	4.05	4.85	95% t-statistic UCL
			Chromium	3 / 3	16.4	16.1	0.416	16.8	14	16.8	95% t-statistic UCL
			Cobalt	3 / 3	5.58	5.46	0.12	5.66	4.73	5.66	95% t-statistic UCL
			Iron	3 / 3	16300	16200	57.7	16300	13600	16300	95% t-statistic UCL
			Lead	3 / 3	195	189	8.72	189	189	189	Mean
			RBA Adjusted Lead	3 / 3	164	159	7.33	159	159	159	Mean
			Manganese	3 / 3	567	543	23.5	583	487	583	95% t-statistic UCL
			Nickel	3 / 3	13.6	13.3	0.306	13.8	11.6	13.8	95% t-statistic UCL
			Thallium	3 / 3	0.276	0.264	0.0159	0.291	0.243	0.291	95% t-statistic UCL
			Vanadium	3 / 3	27.6	27.2	0.404	27.8	23.3	27.8	95% t-statistic UCL
088-O1	286	Other -Not Specified	Aluminum	1 / 1	26100	26100	N/A	31300	26200	31300	Result*CF
			Antimony	1 / 1	1.98	1.98	N/A	2.38	1.98	2.38	Result*CF
			Arsenic	1 / 1	17.6	17.6	N/A	21.1	17.6	21.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.88	2.88	N/A	3.46	2.89	3.46	Result*CF
			Cadmium	1 / 1	3.86	3.86	N/A	4.63	3.87	4.63	Result*CF
			Chromium	1 / 1	12.8	12.8	N/A	15.4	12.8	15.4	Result*CF
			Cobalt	1 / 1	5.65	5.65	N/A	6.78	5.66	6.78	Result*CF
			Iron	1 / 1	18000	18000	N/A	21600	18000	21600	Result*CF
			Lead	1 / 1	162	162	N/A	162	162	162	Mean
			RBA Adjusted Lead	1 / 1	136	136	N/A	136	136	136	Mean
			Manganese	1 / 1	633	633	N/A	760	634	760	Result*CF
			Nickel	1 / 1	12.3	12.3	N/A	14.8	12.3	14.8	Result*CF
			Thallium	1 / 1	0.26	0.26	N/A	0.312	0.261	0.312	Result*CF
			Vanadium	1 / 1	28.9	28.9	N/A	34.7	29	34.7	Result*CF
089-A1	287	Agriculture	Aluminum	1 / 1	14800	14800	N/A	17800	14800	17800	Result*CF
			Antimony	1 / 1	1.06	1.06	N/A	1.27	1.06	1.27	Result*CF
			Arsenic	1 / 1	11.6	11.6	N/A	13.9	11.6	13.9	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.9	1.9	N/A	2.28	1.9	2.28	Result*CF
			Cadmium	1 / 1	2.03	2.03	N/A	2.44	2.03	2.44	Result*CF
			Chromium	1 / 1	18.8	18.8	N/A	22.6	18.8	22.6	Result*CF
			Cobalt	1 / 1	6.22	6.22	N/A	7.46	6.23	7.46	Result*CF
			Iron	1 / 1	19200	19200	N/A	23000	19200	23000	Result*CF
			Lead	1 / 1	95.6	95.6	N/A	95.6	95.6	95.6	Mean
			RBA Adjusted Lead	1 / 1	80.4	80.4	N/A	80.4	80.4	80.4	Mean
			Manganese	1 / 1	507	507	N/A	608	508	608	Result*CF
			Nickel	1 / 1	19.7	19.7	N/A	23.6	19.7	23.6	Result*CF
			Thallium	1 / 1	0.17	0.17	N/A	0.204	0.17	0.204	Result*CF
			Vanadium	1 / 1	25.1	25.1	N/A	30.1	25.2	30.1	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
089-H1	288	House	Aluminum	1 / 1	14100	14100	N/A	16900	14100	16900	Result*CF
			Antimony	1 / 1	1.14	1.14	N/A	1.37	1.14	1.37	Result*CF
			Arsenic	1 / 1	10.9	10.9	N/A	13.1	10.9	13.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.78	1.78	N/A	2.14	1.79	2.14	Result*CF
			Cadmium	1 / 1	2.46	2.46	N/A	2.95	2.46	2.95	Result*CF
			Chromium	1 / 1	18.9	18.9	N/A	22.7	18.9	22.7	Result*CF
			Cobalt	1 / 1	6.38	6.38	N/A	7.66	6.39	7.66	Result*CF
			Iron	1 / 1	19000	19000	N/A	22800	19000	22800	Result*CF
			Lead	1 / 1	113	113	N/A	113	113	113	Mean
			RBA Adjusted Lead	1 / 1	95.1	95.1	N/A	95.1	95.1	95.1	Mean
			Manganese	1 / 1	501	501	N/A	601	502	601	Result*CF
			Nickel	1 / 1	19.6	19.6	N/A	23.5	19.6	23.5	Result*CF
			Thallium	1 / 1	0.173	0.173	N/A	0.208	0.173	0.208	Result*CF
			Vanadium	1 / 1	25.8	25.8	N/A	31	25.9	31	Result*CF
089-O1	289	Other -Not Specified	Aluminum	3 / 3	15000	14500	451	15300	12800	15300	95% t-statistic UCL
			Antimony	3 / 3	0.837	0.801	0.0382	0.866	0.723	0.866	95% t-statistic UCL
			Arsenic	3 / 3	9.08	8.8	0.376	9.43	7.87	9.43	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.49	1.44	0.0616	1.54	1.29	1.54	95% t-statistic UCL
			Cadmium	3 / 3	1.89	1.78	0.129	2	1.67	2	95% t-statistic UCL
			Chromium	3 / 3	17.9	17.4	0.723	18.7	15.6	18.7	95% t-statistic UCL
			Cobalt	3 / 3	6.64	6.37	0.31	6.89	5.75	6.89	95% t-statistic UCL
			Iron	3 / 3	18800	18800	57.7	18900	15800	18900	95% t-statistic UCL
			Lead	3 / 3	76.2	71.7	4.83	71.7	71.7	71.7	Mean
			RBA Adjusted Lead	3 / 3	64.1	60.3	4.06	60.3	60.3	60.3	Mean
			Manganese	3 / 3	488	482	7.37	495	413	495	95% t-statistic UCL
			Nickel	3 / 3	18.7	18.3	0.608	19.3	16.1	19.3	95% t-statistic UCL
			Thallium	3 / 3	0.156	0.152	0.00404	0.158	0.132	0.158	95% t-statistic UCL
			Vanadium	3 / 3	24.4	23.9	0.551	24.8	20.7	24.8	95% t-statistic UCL
090-H1	290	House	Aluminum	3 / 3	13700	13400	265	13800	11600	13800	95% t-statistic UCL
			Antimony	3 / 3	1.31	1.28	0.0289	1.33	1.11	1.33	95% t-statistic UCL
			Arsenic	3 / 3	5.91	5.59	0.296	6.09	5.08	6.09	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.967	0.914	0.0484	0.996	0.832	0.996	95% t-statistic UCL
			Cadmium	3 / 3	2.2	2.01	0.172	2.3	1.92	2.3	95% t-statistic UCL
			Chromium	3 / 3	23.2	22.2	0.896	23.7	19.8	23.7	95% t-statistic UCL
			Cobalt	3 / 3	6.03	5.92	0.116	6.12	5.11	6.12	95% t-statistic UCL
			Iron	3 / 3	17900	17700	252	18100	15100	18100	95% t-statistic UCL
			Lead	3 / 3	123	113	11.9	113	113	113	Mean
			RBA Adjusted Lead	3 / 3	103	95.3	10	95.3	95.3	95.3	Mean
			Manganese	3 / 3	559	527	32	581	485	581	95% t-statistic UCL
			Nickel	3 / 3	18.3	17.9	0.379	18.5	15.5	18.5	95% t-statistic UCL
			Thallium	3 / 3	0.228	0.219	0.00751	0.232	0.194	0.232	95% t-statistic UCL
			Vanadium	3 / 3	27.2	26.7	0.757	27.9	23.3	27.9	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
090-O2	291	Other -Not Specified	Aluminum	1 / 1	15500	15500	N/A	18600	15500	18600	Result*CF
			Antimony	1 / 1	1.13	1.13	N/A	1.36	1.13	1.36	Result*CF
			Arsenic	1 / 1	5.46	5.46	N/A	6.55	5.47	6.55	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.894	0.894	N/A	1.07	0.895	1.07	Result*CF
			Cadmium	1 / 1	1.73	1.73	N/A	2.08	1.73	2.08	Result*CF
			Chromium	1 / 1	28.7	28.7	N/A	34.4	28.8	34.4	Result*CF
			Cobalt	1 / 1	7.47	7.47	N/A	8.96	7.48	8.96	Result*CF
			Iron	1 / 1	20400	20400	N/A	24500	20400	24500	Result*CF
			Lead	1 / 1	187	187	N/A	187	187	187	Mean
			RBA Adjusted Lead	1 / 1	157	157	N/A	157	157	157	Mean
			Manganese	1 / 1	649	649	N/A	779	650	779	Result*CF
			Nickel	1 / 1	21.2	21.2	N/A	25.4	21.2	25.4	Result*CF
			Thallium	1 / 1	0.245	0.245	N/A	0.294	0.245	0.294	Result*CF
			Vanadium	1 / 1	34.6	34.6	N/A	41.5	34.7	41.5	Result*CF
091-G1	292	Garden	Aluminum	1 / 1	13900	13900	N/A	16700	13900	16700	Result*CF
			Antimony	1 / 1	1.23	1.23	N/A	1.48	1.23	1.48	Result*CF
			Arsenic	1 / 1	11.3	11.3	N/A	13.6	11.3	13.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.85	1.85	N/A	2.22	1.85	2.22	Result*CF
			Cadmium	1 / 1	2.24	2.24	N/A	2.69	2.24	2.69	Result*CF
			Chromium	1 / 1	19.5	19.5	N/A	23.4	19.5	23.4	Result*CF
			Cobalt	1 / 1	7.23	7.23	N/A	8.68	7.24	8.68	Result*CF
			Iron	1 / 1	18900	18900	N/A	22700	18900	22700	Result*CF
			Lead	1 / 1	96.6	96.6	N/A	96.6	96.6	96.6	Mean
			RBA Adjusted Lead	1 / 1	81.3	81.3	N/A	81.3	81.3	81.3	Mean
			Manganese	1 / 1	474	474	N/A	569	475	569	Result*CF
			Nickel	1 / 1	17.2	17.2	N/A	20.6	17.2	20.6	Result*CF
			Thallium	1 / 1	0.162	0.162	N/A	0.194	0.162	0.194	Result*CF
			Vanadium	1 / 1	25.7	25.7	N/A	30.8	25.8	30.8	Result*CF
091-H1	293	House	Aluminum	3 / 3	13300	13000	265	13400	11200	13400	95% t-statistic UCL
			Antimony	3 / 3	0.951	0.889	0.104	1.06	0.889	1.06	95% t-statistic UCL
			Arsenic	3 / 3	10.8	10.1	1.05	11.9	9.95	11.9	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.77	1.66	0.172	1.95	1.63	1.95	95% t-statistic UCL
			Cadmium	3 / 3	1.81	1.7	0.188	2.01	1.68	2.01	95% t-statistic UCL
			Chromium	3 / 3	18.4	17	2.15	20.6	17.2	20.6	95% t-statistic UCL
			Cobalt	3 / 3	6.44	6.13	0.523	7.01	5.86	7.01	95% t-statistic UCL
			Iron	3 / 3	16800	16500	351	17100	14200	17100	95% t-statistic UCL
			Lead	3 / 3	71	66.6	6.5	66.6	66.6	66.6	Mean
			RBA Adjusted Lead	3 / 3	59.7	56	5.47	56	56	56	Mean
			Manganese	3 / 3	432	430	2	433	362	433	95% t-statistic UCL
			Nickel	3 / 3	15.7	14.9	1.44	17.3	14.4	17.3	95% t-statistic UCL
			Thallium	3 / 3	0.175	0.164	0.0144	0.189	0.157	0.189	95% t-statistic UCL
			Vanadium	3 / 3	25.5	23.6	2.63	28	23.4	28	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
092-O1	294	Other -Not Specified	Aluminum	3 / 3	10200	9800	350	10400	8680	10400	95% t-statistic UCL
			Antimony	3 / 3	2.39	2.14	0.293	2.64	2.2	2.64	95% t-statistic UCL
			Arsenic	3 / 3	8.83	8.63	0.259	9.07	7.57	9.07	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.45	1.41	0.0424	1.48	1.24	1.48	95% t-statistic UCL
			Cadmium	3 / 3	5.04	4.67	0.365	5.29	4.42	5.29	95% t-statistic UCL
			Chromium	3 / 3	17.1	15.8	1.36	18.1	15.1	18.1	95% t-statistic UCL
			Cobalt	3 / 3	4.54	4.24	0.311	4.77	3.98	4.77	95% t-statistic UCL
			Iron	3 / 3	13600	13200	513	14000	11700	14000	95% t-statistic UCL
			Lead	3 / 3	233	214	19.6	214	214	214	Mean
			RBA Adjusted Lead	3 / 3	196	180	16.5	180	180	180	Mean
			Manganese	3 / 3	315	311	6.08	321	268	321	95% t-statistic UCL
			Nickel	3 / 3	14.6	13.6	1.17	15.5	13	15.5	95% t-statistic UCL
			Thallium	3 / 3	0.33	0.292	0.0419	0.362	0.302	0.362	95% t-statistic UCL
			Vanadium	3 / 3	21	19	2.5	23.2	19.4	23.2	95% t-statistic UCL
092-O2	295	Other -Not Specified	Aluminum	1 / 1	9220	9220	N/A	11100	9240	11100	Result*CF
			Antimony	1 / 1	1.42	1.42	N/A	1.7	1.42	1.7	Result*CF
			Arsenic	1 / 1	8.52	8.52	N/A	10.2	8.54	10.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.39	1.39	N/A	1.67	1.4	1.67	Result*CF
			Cadmium	1 / 1	2.65	2.65	N/A	3.18	2.66	3.18	Result*CF
			Chromium	1 / 1	11.5	11.5	N/A	13.8	11.5	13.8	Result*CF
			Cobalt	1 / 1	3.78	3.78	N/A	4.54	3.79	4.54	Result*CF
			Iron	1 / 1	10900	10900	N/A	13100	10900	13100	Result*CF
			Lead	1 / 1	121	121	N/A	121	121	121	Mean
			RBA Adjusted Lead	1 / 1	102	102	N/A	102	102	102	Mean
			Manganese	1 / 1	265	265	N/A	318	266	318	Result*CF
			Nickel	1 / 1	11.8	11.8	N/A	14.2	11.8	14.2	Result*CF
			Thallium	1 / 1	0.18	0.18	N/A	0.216	0.18	0.216	Result*CF
			Vanadium	1 / 1	13.6	13.6	N/A	16.3	13.6	16.3	Result*CF
093-H1	296	House	Aluminum	3 / 3	17700	17400	379	18100	15100	18100	95% t-statistic UCL
			Antimony	3 / 3	1.01	0.979	0.0372	1.04	0.87	1.04	95% t-statistic UCL
			Arsenic	3 / 3	13.5	13.3	0.208	13.6	11.4	13.6	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.21	2.17	0.0341	2.23	1.86	2.23	95% t-statistic UCL
			Cadmium	3 / 3	1.89	1.83	0.0529	1.92	1.6	1.92	95% t-statistic UCL
			Chromium	3 / 3	14.6	14.4	0.404	15	12.6	15	95% t-statistic UCL
			Cobalt	3 / 3	5.45	5.4	0.0781	5.53	4.62	5.53	95% t-statistic UCL
			Iron	3 / 3	16300	16200	100	16400	13700	16400	95% t-statistic UCL
			Lead	3 / 3	82.5	80.7	1.9	80.7	80.7	80.7	Mean
			RBA Adjusted Lead	3 / 3	69.4	67.9	1.6	67.9	67.9	67.9	Mean
			Manganese	3 / 3	477	475	2.65	479	400	479	95% t-statistic UCL
			Nickel	3 / 3	12.3	12.1	0.346	12.7	10.6	12.7	95% t-statistic UCL
			Thallium	3 / 3	0.187	0.183	0.00513	0.191	0.16	0.191	95% t-statistic UCL
			Vanadium	3 / 3	26.5	26	0.557	26.9	22.5	26.9	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
094-H1	297	House	Aluminum	3 / 3	22600	22000	493	22900	19100	22900	95% t-statistic UCL
			Antimony	3 / 3	1.34	1.25	0.0862	1.39	1.16	1.39	95% t-statistic UCL
			Arsenic	3 / 3	14	13.8	0.208	14.2	11.8	14.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.29	2.26	0.0341	2.32	1.94	2.32	95% t-statistic UCL
			Cadmium	3 / 3	2.26	2.17	0.0902	2.33	1.94	2.33	95% t-statistic UCL
			Chromium	3 / 3	16.7	15.4	1.16	17.3	14.5	17.3	95% t-statistic UCL
			Cobalt	3 / 3	5.83	5.65	0.171	5.94	4.96	5.94	95% t-statistic UCL
			Iron	3 / 3	17500	17300	208	17600	14700	17600	95% t-statistic UCL
			Lead	3 / 3	98	95.3	2.42	95.3	95.3	95.3	Mean
			RBA Adjusted Lead	3 / 3	82.4	80.1	2.04	80.1	80.1	80.1	Mean
			Manganese	3 / 3	501	494	8.33	508	424	508	95% t-statistic UCL
			Nickel	3 / 3	14	13.1	0.781	14.4	12	14.4	95% t-statistic UCL
			Thallium	3 / 3	0.221	0.216	0.00503	0.225	0.188	0.225	95% t-statistic UCL
			Vanadium	3 / 3	28.3	27.3	0.85	28.8	24	28.8	95% t-statistic UCL
094-P1	298	Play Area	Aluminum	1 / 1	22700	22700	N/A	27200	22700	27200	Result*CF
			Antimony	1 / 1	1.35	1.35	N/A	1.62	1.35	1.62	Result*CF
			Arsenic	1 / 1	16.2	16.2	N/A	19.4	16.2	19.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.41	1.41	N/A	1.69	1.41	1.69	Result*CF
			Cadmium	1 / 1	2.53	2.53	N/A	3.04	2.54	3.04	Result*CF
			Chromium	1 / 1	14.6	14.6	N/A	17.5	14.6	17.5	Result*CF
			Cobalt	1 / 1	5.78	5.78	N/A	6.94	5.79	6.94	Result*CF
			Iron	1 / 1	18000	18000	N/A	21600	18000	21600	Result*CF
			Lead	1 / 1	110	110	N/A	110	110	110	Mean
			RBA Adjusted Lead	1 / 1	77.1	77.1	N/A	77.1	77.1	77.1	Mean
			Manganese	1 / 1	562	562	N/A	674	563	674	Result*CF
			Nickel	1 / 1	12.9	12.9	N/A	15.5	12.9	15.5	Result*CF
			Thallium	1 / 1	0.235	0.235	N/A	0.282	0.235	0.282	Result*CF
			Vanadium	1 / 1	27.4	27.4	N/A	32.9	27.5	32.9	Result*CF
095-A1	299	Agriculture	Aluminum	1 / 1	17200	17200	N/A	20600	17200	20600	Result*CF
			Antimony	1 / 1	2.45	2.45	N/A	2.94	2.45	2.94	Result*CF
			Arsenic	1 / 1	16.5	16.5	N/A	19.8	16.5	19.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.7	2.7	N/A	3.24	2.71	3.24	Result*CF
			Cadmium	1 / 1	5.15	5.15	N/A	6.18	5.16	6.18	Result*CF
			Chromium	1 / 1	13.7	13.7	N/A	16.4	13.7	16.4	Result*CF
			Cobalt	1 / 1	5.1	5.1	N/A	6.12	5.11	6.12	Result*CF
			Iron	1 / 1	18200	18200	N/A	21800	18200	21800	Result*CF
			Lead	1 / 1	207	207	N/A	207	207	207	Mean
			RBA Adjusted Lead	1 / 1	174	174	N/A	174	174	174	Mean
			Manganese	1 / 1	727	727	N/A	872	728	872	Result*CF
			Nickel	1 / 1	10.9	10.9	N/A	13.1	10.9	13.1	Result*CF
			Thallium	1 / 1	0.3	0.3	N/A	0.36	0.301	0.36	Result*CF
			Vanadium	1 / 1	26.2	26.2	N/A	31.4	26.3	31.4	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
095-H1	300	House	Aluminum	1 / 1	18900	18900	N/A	22700	18900	22700	Result*CF
			Antimony	1 / 1	1.73	1.73	N/A	2.08	1.73	2.08	Result*CF
			Arsenic	1 / 1	15.7	15.7	N/A	18.8	15.7	18.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.57	2.57	N/A	3.08	2.57	3.08	Result*CF
			Cadmium	1 / 1	3.51	3.51	N/A	4.21	3.52	4.21	Result*CF
			Chromium	1 / 1	16.6	16.6	N/A	19.9	16.6	19.9	Result*CF
			Cobalt	1 / 1	6	6	N/A	7.2	6.01	7.2	Result*CF
			Iron	1 / 1	18900	18900	N/A	22700	18900	22700	Result*CF
			Lead	1 / 1	141	141	N/A	141	141	141	Mean
			RBA Adjusted Lead	1 / 1	119	119	N/A	119	119	119	Mean
			Manganese	1 / 1	609	609	N/A	731	610	731	Result*CF
			Nickel	1 / 1	15.2	15.2	N/A	18.2	15.2	18.2	Result*CF
			Thallium	1 / 1	0.248	0.248	N/A	0.298	0.248	0.298	Result*CF
			Vanadium	1 / 1	27	27	N/A	32.4	27.1	32.4	Result*CF
095-O1	301	Other -Not Specified	Aluminum	3 / 3	20500	20400	173	20700	17300	20700	95% t-statistic UCL
			Antimony	3 / 3	2.42	2.26	0.151	2.51	2.1	2.51	95% t-statistic UCL
			Arsenic	3 / 3	17	16	0.896	17.5	14.6	17.5	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.06	2.88	0.161	3.15	2.63	3.15	95% t-statistic UCL
			Cadmium	3 / 3	4.54	4.33	0.24	4.74	3.96	4.74	95% t-statistic UCL
			Chromium	3 / 3	16.1	15.8	0.379	16.5	13.8	16.5	95% t-statistic UCL
			Cobalt	3 / 3	6.11	5.92	0.2	6.25	5.22	6.25	95% t-statistic UCL
			Iron	3 / 3	18700	18500	208	18800	15700	18800	95% t-statistic UCL
			Lead	3 / 3	187	181	5.51	181	181	181	Mean
			RBA Adjusted Lead	3 / 3	154	149	4.55	149	149	149	Mean
			Manganese	3 / 3	676	649	26.5	694	579	694	95% t-statistic UCL
			Nickel	3 / 3	15	14.6	0.551	15.6	13	15.6	95% t-statistic UCL
			Thallium	3 / 3	0.294	0.287	0.00819	0.301	0.251	0.301	95% t-statistic UCL
			Vanadium	3 / 3	25.8	25.2	0.929	26.7	22.3	26.7	95% t-statistic UCL
095-O2	302	Other -Not Specified	Aluminum	1 / 1	19800	19800	N/A	23800	19800	23800	Result*CF
			Antimony	1 / 1	2.6	2.6	N/A	3.12	2.61	3.12	Result*CF
			Arsenic	1 / 1	18.4	18.4	N/A	22.1	18.4	22.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.01	3.01	N/A	3.61	3.02	3.61	Result*CF
			Cadmium	1 / 1	4.78	4.78	N/A	5.74	4.79	5.74	Result*CF
			Chromium	1 / 1	14	14	N/A	16.8	14	16.8	Result*CF
			Cobalt	1 / 1	5.28	5.28	N/A	6.34	5.29	6.34	Result*CF
			Iron	1 / 1	18100	18100	N/A	21700	18100	21700	Result*CF
			Lead	1 / 1	211	211	N/A	211	211	211	Mean
			RBA Adjusted Lead	1 / 1	178	178	N/A	178	178	178	Mean
			Manganese	1 / 1	727	727	N/A	872	728	872	Result*CF
			Nickel	1 / 1	13.3	13.3	N/A	16	13.3	16	Result*CF
			Thallium	1 / 1	0.266	0.266	N/A	0.319	0.267	0.319	Result*CF
			Vanadium	1 / 1	23.1	23.1	N/A	27.7	23.1	27.7	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
096-H1	303	House	Aluminum	1 / 1	14800	14800	N/A	17800	14800	17800	Result*CF
			Antimony	1 / 1	2.38	2.38	N/A	2.86	2.38	2.86	Result*CF
			Arsenic	1 / 1	15	15	N/A	18	15	18	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.46	2.46	N/A	2.95	2.46	2.95	Result*CF
			Cadmium	1 / 1	4.59	4.59	N/A	5.51	4.6	5.51	Result*CF
			Chromium	1 / 1	22	22	N/A	26.4	22	26.4	Result*CF
			Cobalt	1 / 1	6.75	6.75	N/A	8.1	6.76	8.1	Result*CF
			Iron	1 / 1	17500	17500	N/A	21000	17500	21000	Result*CF
			Lead	1 / 1	213	213	N/A	213	213	213	Mean
			RBA Adjusted Lead	1 / 1	179	179	N/A	179	179	179	Mean
			Manganese	1 / 1	672	672	N/A	806	673	806	Result*CF
			Nickel	1 / 1	16.8	16.8	N/A	20.2	16.8	20.2	Result*CF
			Thallium	1 / 1	0.257	0.257	N/A	0.308	0.258	0.308	Result*CF
			Vanadium	1 / 1	25.9	25.9	N/A	31.1	26	31.1	Result*CF
096-O1	304	Other -Not Specified	Aluminum	3 / 3	22700	22400	265	22800	19100	22800	95% t-statistic UCL
			Antimony	3 / 3	3.06	2.77	0.253	3.2	2.67	3.2	95% t-statistic UCL
			Arsenic	3 / 3	29.3	26.9	2.35	30.9	25.8	30.9	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	5.3	4.87	0.425	5.58	4.66	5.58	95% t-statistic UCL
			Cadmium	3 / 3	8	7.2	0.816	8.58	7.16	8.58	95% t-statistic UCL
			Chromium	3 / 3	21.5	21.2	0.493	22	18.4	22	95% t-statistic UCL
			Cobalt	3 / 3	7.53	7.4	0.214	7.76	6.48	7.76	95% t-statistic UCL
			Iron	3 / 3	22700	22300	473	23100	19300	23100	95% t-statistic UCL
			Lead	3 / 3	350	315	37.2	315	315	315	Mean
			RBA Adjusted Lead	3 / 3	348	313	37	313	313	313	Mean
			Manganese	3 / 3	646	621	24.5	662	553	662	95% t-statistic UCL
			Nickel	3 / 3	19.1	18.8	0.493	19.6	16.4	19.6	95% t-statistic UCL
			Thallium	3 / 3	0.425	0.395	0.0346	0.453	0.378	0.453	95% t-statistic UCL
			Vanadium	3 / 3	34.9	34.3	1.01	36	30	36	95% t-statistic UCL
097-H1	305	House	Aluminum	1 / 1	10300	10300	N/A	12400	10300	12400	Result*CF
			Antimony	1 / 1	1.59	1.59	N/A	1.91	1.59	1.91	Result*CF
			Arsenic	1 / 1	9	9	N/A	10.8	9.02	10.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.47	1.47	N/A	1.77	1.48	1.77	Result*CF
			Cadmium	1 / 1	2.88	2.88	N/A	3.46	2.89	3.46	Result*CF
			Chromium	1 / 1	20.7	20.7	N/A	24.8	20.7	24.8	Result*CF
			Cobalt	1 / 1	5.49	5.49	N/A	6.59	5.5	6.59	Result*CF
			Iron	1 / 1	17500	17500	N/A	21000	17500	21000	Result*CF
			Lead	1 / 1	169	169	N/A	169	169	169	Mean
			RBA Adjusted Lead	1 / 1	142	142	N/A	142	142	142	Mean
			Manganese	1 / 1	329	329	N/A	395	330	395	Result*CF
			Nickel	1 / 1	14.5	14.5	N/A	17.4	14.5	17.4	Result*CF
			Thallium	1 / 1	0.29	0.29	N/A	0.348	0.291	0.348	Result*CF
			Vanadium	1 / 1	31.7	31.7	N/A	38	31.8	38	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
097-H2	306	House	Aluminum	3 / 3	10000	9790	183	10100	8440	10100	95% t-statistic UCL
			Antimony	3 / 3	1	0.955	0.0408	1.02	0.855	1.02	95% t-statistic UCL
			Arsenic	3 / 3	8.62	8.57	0.0416	8.64	7.22	8.64	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.41	1.4	0.00681	1.41	1.18	1.41	95% t-statistic UCL
			Cadmium	3 / 3	3.32	3.04	0.257	3.47	2.9	3.47	95% t-statistic UCL
			Chromium	3 / 3	23	22.6	0.321	23.2	19.4	23.2	95% t-statistic UCL
			Cobalt	3 / 3	6.09	6.02	0.0907	6.18	5.16	6.18	95% t-statistic UCL
			Iron	3 / 3	18300	18200	153	18400	15400	18400	95% t-statistic UCL
			Lead	3 / 3	156	140	14.4	140	140	140	Mean
			RBA Adjusted Lead	3 / 3	131	118	12.1	118	118	118	Mean
			Manganese	3 / 3	315	308	5.86	318	266	318	95% t-statistic UCL
			Nickel	3 / 3	16.9	16.5	0.321	17.1	14.3	17.1	95% t-statistic UCL
			Thallium	3 / 3	0.367	0.33	0.0331	0.385	0.322	0.385	95% t-statistic UCL
			Vanadium	3 / 3	34.2	33.9	0.379	34.6	28.9	34.6	95% t-statistic UCL
098-G1	308	Garden	Aluminum	3 / 3	12000	11600	361	12200	10200	12200	95% t-statistic UCL
			Antimony	3 / 3	0.596	0.559	0.036	0.62	0.518	0.62	95% t-statistic UCL
			Arsenic	3 / 3	4.9	4.59	0.293	5.08	4.24	5.08	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.802	0.751	0.0479	0.832	0.694	0.832	95% t-statistic UCL
			Cadmium	3 / 3	0.844	0.82	0.0208	0.855	0.714	0.855	95% t-statistic UCL
			Chromium	3 / 3	19	18.8	0.208	19.2	16	19.2	95% t-statistic UCL
			Cobalt	3 / 3	5.65	5.5	0.133	5.72	4.78	5.72	95% t-statistic UCL
			Iron	3 / 3	17900	17300	551	18300	15200	18300	95% t-statistic UCL
			Lead	3 / 3	44.5	43.2	1.92	43.2	43.2	43.2	Mean
			RBA Adjusted Lead	3 / 3	37.4	36.3	1.61	36.3	36.3	36.3	Mean
			Manganese	3 / 3	328	321	7.02	333	278	333	95% t-statistic UCL
			Nickel	3 / 3	14.8	14.6	0.321	15.1	12.6	15.1	95% t-statistic UCL
			Thallium	3 / 3	0.17	0.165	0.00551	0.174	0.145	0.174	95% t-statistic UCL
			Vanadium	3 / 3	25.1	24.7	0.4	25.4	21.2	25.4	95% t-statistic UCL
098-H1	309	House	Aluminum	1 / 1	9370	9370	N/A	11200	9390	11200	Result*CF
			Antimony	1 / 1	0.559	0.559	N/A	0.671	0.56	0.671	Result*CF
			Arsenic	1 / 1	3.29	3.29	N/A	3.95	3.3	3.95	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.539	0.539	N/A	0.646	0.54	0.646	Result*CF
			Cadmium	1 / 1	0.804	0.804	N/A	0.965	0.806	0.965	Result*CF
			Chromium	1 / 1	18.5	18.5	N/A	22.2	18.5	22.2	Result*CF
			Cobalt	1 / 1	4.67	4.67	N/A	5.6	4.68	5.6	Result*CF
			Iron	1 / 1	15500	15500	N/A	18600	15500	18600	Result*CF
			Lead	1 / 1	40.9	40.9	N/A	40.9	40.9	40.9	Mean
			RBA Adjusted Lead	1 / 1	34.4	34.4	N/A	34.4	34.4	34.4	Mean
			Manganese	1 / 1	257	257	N/A	308	258	308	Result*CF
			Nickel	1 / 1	12.1	12.1	N/A	14.5	12.1	14.5	Result*CF
			Thallium	1 / 1	0.145	0.145	N/A	0.174	0.145	0.174	Result*CF
			Vanadium	1 / 1	22.5	22.5	N/A	27	22.5	27	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
098-O1	310	Other -Not Specified	Aluminum	1 / 1	8140	8140	N/A	9770	8160	9770	Result*CF
			Antimony	1 / 1	0.324	0.324	N/A	0.389	0.325	0.389	Result*CF
			Arsenic	1 / 1	3.12	3.12	N/A	3.74	3.13	3.74	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.511	0.511	N/A	0.613	0.512	0.613	Result*CF
			Cadmium	1 / 1	0.567	0.567	N/A	0.68	0.568	0.68	Result*CF
			Chromium	1 / 1	16.9	16.9	N/A	20.3	16.9	20.3	Result*CF
			Cobalt	1 / 1	4.98	4.98	N/A	5.98	4.99	5.98	Result*CF
			Iron	1 / 1	16200	16200	N/A	19400	16200	19400	Result*CF
			Lead	1 / 1	27	27	N/A	27	27	27	Mean
			RBA Adjusted Lead	1 / 1	22.7	22.7	N/A	22.7	22.7	22.7	Mean
			Manganese	1 / 1	283	283	N/A	340	284	340	Result*CF
			Nickel	1 / 1	12.9	12.9	N/A	15.5	12.9	15.5	Result*CF
			Thallium	1 / 1	0.125	0.125	N/A	0.15	0.125	0.15	Result*CF
			Vanadium	1 / 1	25.5	25.5	N/A	30.6	25.6	30.6	Result*CF
099-A1	311	Agriculture	Aluminum	1 / 1	12100	12100	N/A	14500	12100	14500	Result*CF
			Antimony	1 / 1	0.976	0.976	N/A	1.17	0.978	1.17	Result*CF
			Arsenic	1 / 1	7.26	7.26	N/A	8.71	7.27	8.71	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.19	1.19	N/A	1.43	1.19	1.43	Result*CF
			Cadmium	1 / 1	1.87	1.87	N/A	2.24	1.87	2.24	Result*CF
			Chromium	1 / 1	17.8	17.8	N/A	21.4	17.8	21.4	Result*CF
			Cobalt	1 / 1	6.04	6.04	N/A	7.25	6.05	7.25	Result*CF
			Iron	1 / 1	15200	15200	N/A	18200	15200	18200	Result*CF
			Lead	1 / 1	67.1	67.1	N/A	67.1	67.1	67.1	Mean
			RBA Adjusted Lead	1 / 1	56.5	56.5	N/A	56.5	56.5	56.5	Mean
			Manganese	1 / 1	527	527	N/A	632	528	632	Result*CF
			Nickel	1 / 1	15	15	N/A	18	15	18	Result*CF
			Thallium	1 / 1	0.191	0.191	N/A	0.229	0.191	0.229	Result*CF
			Vanadium	1 / 1	24.2	24.2	N/A	29	24.2	29	Result*CF
099-G2	312	Garden	Aluminum	1 / 1	10100	10100	N/A	12100	10100	12100	Result*CF
			Antimony	1 / 1	0.925	0.925	N/A	1.11	0.927	1.11	Result*CF
			Arsenic	1 / 1	8.09	8.09	N/A	9.71	8.11	9.71	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.32	1.32	N/A	1.59	1.33	1.59	Result*CF
			Cadmium	1 / 1	1.79	1.79	N/A	2.15	1.79	2.15	Result*CF
			Chromium	1 / 1	14.4	14.4	N/A	17.3	14.4	17.3	Result*CF
			Cobalt	1 / 1	4.36	4.36	N/A	5.23	4.37	5.23	Result*CF
			Iron	1 / 1	12600	12600	N/A	15100	12600	15100	Result*CF
			Lead	1 / 1	75.3	75.3	N/A	75.3	75.3	75.3	Mean
			RBA Adjusted Lead	1 / 1	63.4	63.4	N/A	63.4	63.4	63.4	Mean
			Manganese	1 / 1	520	520	N/A	624	521	624	Result*CF
			Nickel	1 / 1	11.6	11.6	N/A	13.9	11.6	13.9	Result*CF
			Thallium	1 / 1	0.149	0.149	N/A	0.179	0.149	0.179	Result*CF
			Vanadium	1 / 1	19.8	19.8	N/A	23.8	19.8	23.8	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
099-H1	313	House	Aluminum	3 / 3	8870	8800	104	8980	7490	8980	95% t-statistic UCL
			Antimony	3 / 3	1.89	1.69	0.178	1.99	1.66	1.99	95% t-statistic UCL
			Arsenic	3 / 3	10.3	9.77	0.466	10.6	8.81	10.6	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.69	1.6	0.0762	1.73	1.44	1.73	95% t-statistic UCL
			Cadmium	3 / 3	3.75	3.22	0.494	4.06	3.39	4.06	95% t-statistic UCL
			Chromium	3 / 3	14	13.9	0.231	14.3	11.9	14.3	95% t-statistic UCL
			Cobalt	3 / 3	4.6	4.43	0.15	4.68	3.91	4.68	95% t-statistic UCL
			Iron	3 / 3	12500	12400	100	12600	10500	12600	95% t-statistic UCL
			Lead	3 / 3	196	172	21.1	172	172	172	Mean
			RBA Adjusted Lead	3 / 3	165	144	17.7	144	144	144	Mean
			Manganese	3 / 3	451	442	12.1	462	386	462	95% t-statistic UCL
			Nickel	3 / 3	13.2	12.9	0.351	13.5	11.2	13.5	95% t-statistic UCL
			Thallium	3 / 3	0.286	0.277	0.00814	0.29	0.242	0.29	95% t-statistic UCL
			Vanadium	3 / 3	20.4	20.1	0.351	20.7	17.3	20.7	95% t-statistic UCL
099-O1	314	Other -Not Specified	Aluminum	1 / 1	8110	8110	N/A	9730	8130	9730	Result*CF
			Antimony	1 / 1	1.66	1.66	N/A	1.99	1.66	1.99	Result*CF
			Arsenic	1 / 1	9.07	9.07	N/A	10.9	9.09	10.9	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.27	1.27	N/A	1.52	1.27	1.52	Result*CF
			Cadmium	1 / 1	3.33	3.33	N/A	4	3.34	4	Result*CF
			Chromium	1 / 1	12.7	12.7	N/A	15.2	12.7	15.2	Result*CF
			Cobalt	1 / 1	4.12	4.12	N/A	4.94	4.13	4.94	Result*CF
			Iron	1 / 1	11200	11200	N/A	13400	11200	13400	Result*CF
			Lead	1 / 1	170	170	N/A	170	170	170	Mean
			RBA Adjusted Lead	1 / 1	171	171	N/A	171	171	171	Mean
			Manganese	1 / 1	408	408	N/A	490	409	490	Result*CF
			Nickel	1 / 1	11.1	11.1	N/A	13.3	11.1	13.3	Result*CF
			Thallium	1 / 1	0.269	0.269	N/A	0.323	0.27	0.323	Result*CF
			Vanadium	1 / 1	18.8	18.8	N/A	22.6	18.8	22.6	Result*CF
100-G1	315	Garden	Aluminum	1 / 1	12600	12600	N/A	15100	12600	15100	Result*CF
			Antimony	1 / 1	0.613	0.613	N/A	0.736	0.614	0.736	Result*CF
			Arsenic	1 / 1	4.42	4.42	N/A	5.3	4.43	5.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.22	1.22	N/A	1.46	1.22	1.46	Result*CF
			Cadmium	1 / 1	1.44	1.44	N/A	1.73	1.44	1.73	Result*CF
			Chromium	1 / 1	22.6	22.6	N/A	27.1	22.6	27.1	Result*CF
			Cobalt	1 / 1	6.77	6.77	N/A	8.12	6.78	8.12	Result*CF
			Iron	1 / 1	18600	18600	N/A	22300	18600	22300	Result*CF
			Lead	1 / 1	43.3	43.3	N/A	43.3	43.3	43.3	Mean
			RBA Adjusted Lead	1 / 1	46.1	46.1	N/A	46.1	46.1	46.1	Mean
			Manganese	1 / 1	460	460	N/A	552	461	552	Result*CF
			Nickel	1 / 1	15.6	15.6	N/A	18.7	15.6	18.7	Result*CF
			Thallium	1 / 1	0.243	0.243	N/A	0.292	0.243	0.292	Result*CF
			Vanadium	1 / 1	30.4	30.4	N/A	36.5	30.5	36.5	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
100-H1	316	House	Aluminum	1 / 1	10600	10600	N/A	12700	10600	12700	Result*CF
			Antimony	1 / 1	1.6	1.6	N/A	1.92	1.6	1.92	Result*CF
			Arsenic	1 / 1	6.19	6.19	N/A	7.43	6.2	7.43	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.71	1.71	N/A	2.05	1.71	2.05	Result*CF
			Cadmium	1 / 1	3.93	3.93	N/A	4.72	3.94	4.72	Result*CF
			Chromium	1 / 1	22.6	22.6	N/A	27.1	22.6	27.1	Result*CF
			Cobalt	1 / 1	5.85	5.85	N/A	7.02	5.86	7.02	Result*CF
			Iron	1 / 1	14800	14800	N/A	17800	14800	17800	Result*CF
			Lead	1 / 1	132	132	N/A	132	132	132	Mean
			RBA Adjusted Lead	1 / 1	141	141	N/A	141	141	141	Mean
			Manganese	1 / 1	533	533	N/A	640	534	640	Result*CF
			Nickel	1 / 1	15	15	N/A	18	15	18	Result*CF
			Thallium	1 / 1	0.233	0.233	N/A	0.28	0.233	0.28	Result*CF
			Vanadium	1 / 1	26.1	26.1	N/A	31.3	26.2	31.3	Result*CF
100-N1	317	Animal Activity Area	Aluminum	1 / 1	13500	13500	N/A	16200	13500	16200	Result*CF
			Antimony	1 / 1	1.11	1.11	N/A	1.33	1.11	1.33	Result*CF
			Arsenic	1 / 1	6.8	6.8	N/A	8.16	6.81	8.16	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.87	1.87	N/A	2.25	1.88	2.25	Result*CF
			Cadmium	1 / 1	2.24	2.24	N/A	2.69	2.24	2.69	Result*CF
			Chromium	1 / 1	20.9	20.9	N/A	25.1	20.9	25.1	Result*CF
			Cobalt	1 / 1	6.45	6.45	N/A	7.74	6.46	7.74	Result*CF
			Iron	1 / 1	16000	16000	N/A	19200	16000	19200	Result*CF
			Lead	1 / 1	83	83	N/A	83	83	83	Mean
			RBA Adjusted Lead	1 / 1	88.4	88.4	N/A	88.4	88.4	88.4	Mean
			Manganese	1 / 1	616	616	N/A	739	617	739	Result*CF
			Nickel	1 / 1	14.8	14.8	N/A	17.8	14.8	17.8	Result*CF
			Thallium	1 / 1	0.187	0.187	N/A	0.224	0.187	0.224	Result*CF
			Vanadium	1 / 1	24.6	24.6	N/A	29.5	24.6	29.5	Result*CF
100-N2	318	Animal Activity Area	Aluminum	1 / 1	15300	15300	N/A	18400	15300	18400	Result*CF
			Antimony	1 / 1	0.944	0.944	N/A	1.13	0.946	1.13	Result*CF
			Arsenic	1 / 1	6.47	6.47	N/A	7.76	6.48	7.76	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.78	1.78	N/A	2.14	1.79	2.14	Result*CF
			Cadmium	1 / 1	1.83	1.83	N/A	2.2	1.83	2.2	Result*CF
			Chromium	1 / 1	23.1	23.1	N/A	27.7	23.1	27.7	Result*CF
			Cobalt	1 / 1	7.29	7.29	N/A	8.75	7.3	8.75	Result*CF
			Iron	1 / 1	18500	18500	N/A	22200	18500	22200	Result*CF
			Lead	1 / 1	69.1	69.1	N/A	69.1	69.1	69.1	Mean
			RBA Adjusted Lead	1 / 1	73.6	73.6	N/A	73.6	73.6	73.6	Mean
			Manganese	1 / 1	535	535	N/A	642	536	642	Result*CF
			Nickel	1 / 1	16.1	16.1	N/A	19.3	16.1	19.3	Result*CF
			Thallium	1 / 1	0.191	0.191	N/A	0.229	0.191	0.229	Result*CF
			Vanadium	1 / 1	29.7	29.7	N/A	35.6	29.8	35.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
100-O1	319	Other -Not Specified	Aluminum	3 / 3	10600	10300	379	11000	9160	11000	95% t-statistic UCL
			Antimony	3 / 3	2.1	1.97	0.118	2.17	1.81	2.17	95% t-statistic UCL
			Arsenic	3 / 3	7.81	7.69	0.18	7.99	6.67	7.99	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.15	2.12	0.0496	2.2	1.84	2.2	95% t-statistic UCL
			Cadmium	3 / 3	3.42	3.3	0.177	3.6	3.01	3.6	95% t-statistic UCL
			Chromium	3 / 3	22.6	20.6	1.7	23.5	19.6	23.5	95% t-statistic UCL
			Cobalt	3 / 3	5.69	5.55	0.128	5.77	4.81	5.77	95% t-statistic UCL
			Iron	3 / 3	14100	13800	493	14600	12200	14600	95% t-statistic UCL
			Lead	3 / 3	141	130	12.1	130	130	130	Mean
			RBA Adjusted Lead	3 / 3	150	138	12.9	138	138	138	Mean
			Manganese	3 / 3	458	446	17.7	476	398	476	95% t-statistic UCL
			Nickel	3 / 3	14.6	14	0.493	14.9	12.4	14.9	95% t-statistic UCL
			Thallium	3 / 3	0.244	0.223	0.0198	0.256	0.214	0.256	95% t-statistic UCL
			Vanadium	3 / 3	25.4	24	1.19	26	21.7	26	95% t-statistic UCL
101-G1	320	Garden	Aluminum	1 / 1	11700	11700	N/A	14000	11700	14000	Result*CF
			Antimony	1 / 1	0.808	0.808	N/A	0.97	0.81	0.97	Result*CF
			Arsenic	1 / 1	8.46	8.46	N/A	10.2	8.48	10.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.38	1.38	N/A	1.66	1.39	1.66	Result*CF
			Cadmium	1 / 1	1.38	1.38	N/A	1.66	1.38	1.66	Result*CF
			Chromium	1 / 1	21.6	21.6	N/A	25.9	21.6	25.9	Result*CF
			Cobalt	1 / 1	7.71	7.71	N/A	9.25	7.73	9.25	Result*CF
			Iron	1 / 1	17300	17300	N/A	20800	17300	20800	Result*CF
			Lead	1 / 1	60.3	60.3	N/A	60.3	60.3	60.3	Mean
			RBA Adjusted Lead	1 / 1	50.7	50.7	N/A	50.7	50.7	50.7	Mean
			Manganese	1 / 1	575	575	N/A	690	576	690	Result*CF
			Nickel	1 / 1	20.3	20.3	N/A	24.4	20.3	24.4	Result*CF
			Thallium	1 / 1	0.149	0.149	N/A	0.179	0.149	0.179	Result*CF
			Vanadium	1 / 1	31.7	31.7	N/A	38	31.8	38	Result*CF
101-H1	321	House	Aluminum	3 / 3	11200	10900	577	11800	9890	11800	95% t-statistic UCL
			Antimony	3 / 3	1.81	1.74	0.0624	1.85	1.54	1.85	95% t-statistic UCL
			Arsenic	3 / 3	9.23	8.99	0.21	9.34	7.8	9.34	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.51	1.47	0.0344	1.53	1.28	1.53	95% t-statistic UCL
			Cadmium	3 / 3	3.94	3.76	0.167	4.04	3.37	4.04	95% t-statistic UCL
			Chromium	3 / 3	22.1	20.8	1.21	22.8	19.1	22.8	95% t-statistic UCL
			Cobalt	3 / 3	6.54	6.31	0.211	6.66	5.56	6.66	95% t-statistic UCL
			Iron	3 / 3	17200	16800	529	17700	14800	17700	95% t-statistic UCL
			Lead	3 / 3	161	156	4.51	156	156	156	Mean
			RBA Adjusted Lead	3 / 3	135	132	3.79	132	132	132	Mean
			Manganese	3 / 3	563	550	11	569	475	569	95% t-statistic UCL
			Nickel	3 / 3	17.2	16.3	0.85	17.8	14.8	17.8	95% t-statistic UCL
			Thallium	3 / 3	0.26	0.251	0.00819	0.265	0.221	0.265	95% t-statistic UCL
			Vanadium	3 / 3	31.7	29.4	2.25	33.2	27.7	33.2	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
101-O1	322	Other -Not Specified	Aluminum	1 / 1	12600	12600	N/A	15100	12600	15100	Result*CF
			Antimony	1 / 1	1.84	1.84	N/A	2.21	1.84	2.21	Result*CF
			Arsenic	1 / 1	10.3	10.3	N/A	12.4	10.3	12.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.52	2.52	N/A	3.03	2.53	3.03	Result*CF
			Cadmium	1 / 1	4.67	4.67	N/A	5.6	4.68	5.6	Result*CF
			Chromium	1 / 1	18.2	18.2	N/A	21.8	18.2	21.8	Result*CF
			Cobalt	1 / 1	6.55	6.55	N/A	7.86	6.56	7.86	Result*CF
			Iron	1 / 1	17100	17100	N/A	20500	17100	20500	Result*CF
			Lead	1 / 1	183	183	N/A	183	183	183	Mean
			RBA Adjusted Lead	1 / 1	209	209	N/A	209	209	209	Mean
			Manganese	1 / 1	699	699	N/A	839	700	839	Result*CF
			Nickel	1 / 1	16	16	N/A	19.2	16	19.2	Result*CF
			Thallium	1 / 1	0.254	0.254	N/A	0.305	0.255	0.305	Result*CF
			Vanadium	1 / 1	26.3	26.3	N/A	31.6	26.4	31.6	Result*CF
102-G1	323	Garden	Aluminum	1 / 1	18100	18100	N/A	21700	18100	21700	Result*CF
			Antimony	1 / 1	0.901	0.901	N/A	1.08	0.903	1.08	Result*CF
			Arsenic	1 / 1	8.84	8.84	N/A	10.6	8.86	10.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.45	1.45	N/A	1.74	1.45	1.74	Result*CF
			Cadmium	1 / 1	1.36	1.36	N/A	1.63	1.36	1.63	Result*CF
			Chromium	1 / 1	21.3	21.3	N/A	25.6	21.3	25.6	Result*CF
			Cobalt	1 / 1	8.45	8.45	N/A	10.1	8.47	10.1	Result*CF
			Iron	1 / 1	19900	19900	N/A	23900	19900	23900	Result*CF
			Lead	1 / 1	67.1	67.1	N/A	67.1	67.1	67.1	Mean
			RBA Adjusted Lead	1 / 1	56.5	56.5	N/A	56.5	56.5	56.5	Mean
			Manganese	1 / 1	664	664	N/A	797	665	797	Result*CF
			Nickel	1 / 1	20.7	20.7	N/A	24.8	20.7	24.8	Result*CF
			Thallium	1 / 1	0.194	0.194	N/A	0.233	0.194	0.233	Result*CF
			Vanadium	1 / 1	33.2	33.2	N/A	39.8	33.3	39.8	Result*CF
102-H1	324	House	Aluminum	3 / 3	14300	13600	656	14700	12300	14700	95% t-statistic UCL
			Antimony	3 / 3	0.463	0.44	0.0217	0.477	0.398	0.477	95% t-statistic UCL
			Arsenic	3 / 3	7.91	7.83	0.127	8.04	6.71	8.04	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.29	1.28	0.0209	1.32	1.1	1.32	95% t-statistic UCL
			Cadmium	3 / 3	0.787	0.767	0.0196	0.8	0.668	0.8	95% t-statistic UCL
			Chromium	3 / 3	24	23.1	1.07	24.9	20.8	24.9	95% t-statistic UCL
			Cobalt	3 / 3	7.92	7.62	0.333	8.18	6.83	8.18	95% t-statistic UCL
			Iron	3 / 3	20300	19600	608	20600	17200	20600	95% t-statistic UCL
			Lead	3 / 3	36.1	35.6	0.611	35.6	35.6	35.6	Mean
			RBA Adjusted Lead	3 / 3	30.4	29.9	0.514	29.9	29.9	29.9	Mean
			Manganese	3 / 3	479	469	8.72	484	404	484	95% t-statistic UCL
			Nickel	3 / 3	25.4	24.4	1.38	26.7	22.3	26.7	95% t-statistic UCL
			Thallium	3 / 3	0.149	0.146	0.00306	0.151	0.126	0.151	95% t-statistic UCL
			Vanadium	3 / 3	32.3	31.4	0.819	32.8	27.4	32.8	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
103-H1	325	House	Aluminum	1 / 1	14700	14700	N/A	17600	14700	17600	Result*CF
			Antimony	1 / 1	1.2	1.2	N/A	1.44	1.2	1.44	Result*CF
			Arsenic	1 / 1	11	11	N/A	13.2	11	13.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.56	1.56	N/A	1.87	1.56	1.87	Result*CF
			Cadmium	1 / 1	2.79	2.79	N/A	3.35	2.8	3.35	Result*CF
			Chromium	1 / 1	14.6	14.6	N/A	17.5	14.6	17.5	Result*CF
			Cobalt	1 / 1	5.24	5.24	N/A	6.29	5.25	6.29	Result*CF
			Iron	1 / 1	15100	15100	N/A	18100	15100	18100	Result*CF
			Lead	1 / 1	114	114	N/A	114	114	114	Mean
			RBA Adjusted Lead	1 / 1	118	118	N/A	118	118	118	Mean
			Manganese	1 / 1	441	441	N/A	529	442	529	Result*CF
			Nickel	1 / 1	12.1	12.1	N/A	14.5	12.1	14.5	Result*CF
			Thallium	1 / 1	0.216	0.216	N/A	0.259	0.216	0.259	Result*CF
			Vanadium	1 / 1	24	24	N/A	28.8	24	28.8	Result*CF
103-O1	326	Other -Not Specified	Aluminum	3 / 3	15900	15500	404	16200	13500	16200	95% t-statistic UCL
			Antimony	3 / 3	1.43	1.35	0.104	1.52	1.27	1.52	95% t-statistic UCL
			Arsenic	3 / 3	11.9	11.7	0.289	12.2	10.2	12.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.95	1.92	0.0472	2	1.67	2	95% t-statistic UCL
			Cadmium	3 / 3	3.4	3.23	0.244	3.64	3.04	3.64	95% t-statistic UCL
			Chromium	3 / 3	14.9	14.2	1.02	15.9	13.3	15.9	95% t-statistic UCL
			Cobalt	3 / 3	5.39	5.19	0.187	5.5	4.6	5.5	95% t-statistic UCL
			Iron	3 / 3	14500	14500	57.7	14600	12200	14600	95% t-statistic UCL
			Lead	3 / 3	125	118	10.2	118	118	118	Mean
			RBA Adjusted Lead	3 / 3	105	99	8.59	99	99	99	Mean
			Manganese	3 / 3	468	464	5.51	474	395	474	95% t-statistic UCL
			Nickel	3 / 3	12	11.5	0.451	12.3	10.3	12.3	95% t-statistic UCL
			Thallium	3 / 3	0.23	0.217	0.0117	0.237	0.198	0.237	95% t-statistic UCL
			Vanadium	3 / 3	25	24.1	0.902	25.6	21.4	25.6	95% t-statistic UCL
104-H1	327	House	Aluminum	1 / 1	15900	15900	N/A	19100	15900	19100	Result*CF
			Antimony	1 / 1	1.56	1.56	N/A	1.87	1.56	1.87	Result*CF
			Arsenic	1 / 1	16.9	16.9	N/A	20.3	16.9	20.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	4.66	4.66	N/A	5.59	4.67	5.59	Result*CF
			Cadmium	1 / 1	3.85	3.85	N/A	4.62	3.86	4.62	Result*CF
			Chromium	1 / 1	16	16	N/A	19.2	16	19.2	Result*CF
			Cobalt	1 / 1	5.49	5.49	N/A	6.59	5.5	6.59	Result*CF
			Iron	1 / 1	16600	16600	N/A	19900	16600	19900	Result*CF
			Lead	1 / 1	171	171	N/A	171	171	171	Mean
			RBA Adjusted Lead	1 / 1	182	182	N/A	182	182	182	Mean
			Manganese	1 / 1	534	534	N/A	641	535	641	Result*CF
			Nickel	1 / 1	14.3	14.3	N/A	17.2	14.3	17.2	Result*CF
			Thallium	1 / 1	0.299	0.299	N/A	0.359	0.3	0.359	Result*CF
			Vanadium	1 / 1	26.7	26.7	N/A	32	26.8	32	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
104-H2	328	House	Aluminum	1 / 1	15200	15200	N/A	18200	15200	18200	Result*CF
			Antimony	1 / 1	1.3	1.3	N/A	1.56	1.3	1.56	Result*CF
			Arsenic	1 / 1	14.4	14.4	N/A	17.3	14.4	17.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.97	3.97	N/A	4.76	3.98	4.76	Result*CF
			Cadmium	1 / 1	3.59	3.59	N/A	4.31	3.6	4.31	Result*CF
			Chromium	1 / 1	15.1	15.1	N/A	18.1	15.1	18.1	Result*CF
			Cobalt	1 / 1	5.06	5.06	N/A	6.07	5.07	6.07	Result*CF
			Iron	1 / 1	15900	15900	N/A	19100	15900	19100	Result*CF
			Lead	1 / 1	155	155	N/A	155	155	155	Mean
			RBA Adjusted Lead	1 / 1	165	165	N/A	165	165	165	Mean
			Manganese	1 / 1	470	470	N/A	564	471	564	Result*CF
			Nickel	1 / 1	12.6	12.6	N/A	15.1	12.6	15.1	Result*CF
			Thallium	1 / 1	0.262	0.262	N/A	0.314	0.263	0.314	Result*CF
			Vanadium	1 / 1	25.9	25.9	N/A	31.1	26	31.1	Result*CF
104-N1	329	Animal Activity Area	Aluminum	3 / 3	16100	15700	458	16500	13800	16500	95% t-statistic UCL
			Antimony	3 / 3	1.4	1.38	0.0153	1.41	1.18	1.41	95% t-statistic UCL
			Arsenic	3 / 3	16.8	16.4	0.4	17.1	14.3	17.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.63	4.52	0.11	4.71	3.93	4.71	95% t-statistic UCL
			Cadmium	3 / 3	3.41	3.33	0.0709	3.45	2.88	3.45	95% t-statistic UCL
			Chromium	3 / 3	14.6	14.4	0.252	14.8	12.4	14.8	95% t-statistic UCL
			Cobalt	3 / 3	5.04	4.92	0.112	5.11	4.26	5.11	95% t-statistic UCL
			Iron	3 / 3	15900	15600	306	16100	13500	16100	95% t-statistic UCL
			Lead	3 / 3	143	141	2.08	141	141	141	Mean
			RBA Adjusted Lead	3 / 3	152	150	2.22	150	150	150	Mean
			Manganese	3 / 3	576	550	22.3	588	491	588	95% t-statistic UCL
			Nickel	3 / 3	13.2	12.7	0.458	13.5	11.2	13.5	95% t-statistic UCL
			Thallium	3 / 3	0.216	0.209	0.00651	0.22	0.184	0.22	95% t-statistic UCL
			Vanadium	3 / 3	24.9	24.5	0.666	25.6	21.4	25.6	95% t-statistic UCL
105-H1	330	House	Aluminum	1 / 1	7510	7510	N/A	9010	7530	9010	Result*CF
			Antimony	1 / 1	1.18	1.18	N/A	1.42	1.18	1.42	Result*CF
			Arsenic	1 / 1	7.69	7.69	N/A	9.23	7.71	9.23	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.12	2.12	N/A	2.54	2.12	2.54	Result*CF
			Cadmium	1 / 1	2.13	2.13	N/A	2.56	2.13	2.56	Result*CF
			Chromium	1 / 1	10.5	10.5	N/A	12.6	10.5	12.6	Result*CF
			Cobalt	1 / 1	3.47	3.47	N/A	4.16	3.48	4.16	Result*CF
			Iron	1 / 1	10200	10200	N/A	12200	10200	12200	Result*CF
			Lead	1 / 1	99.3	99.3	N/A	99.3	99.3	99.3	Mean
			RBA Adjusted Lead	1 / 1	106	106	N/A	106	106	106	Mean
			Manganese	1 / 1	336	336	N/A	403	337	403	Result*CF
			Nickel	1 / 1	8.61	8.61	N/A	10.3	8.63	10.3	Result*CF
			Thallium	1 / 1	0.142	0.142	N/A	0.17	0.142	0.17	Result*CF
			Vanadium	1 / 1	16	16	N/A	19.2	16	19.2	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
105-P1	331	Play Area	Aluminum	3 / 3	7140	6680	408	7360	6150	7360	95% t-statistic UCL
			Antimony	3 / 3	3.2	2.71	0.453	3.47	2.9	3.47	95% t-statistic UCL
			Arsenic	3 / 3	9.79	9.11	0.706	10.3	8.6	10.3	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.7	2.51	0.195	2.84	2.37	2.84	95% t-statistic UCL
			Cadmium	3 / 3	3.17	3.06	0.0954	3.22	2.69	3.22	95% t-statistic UCL
			Chromium	3 / 3	9.56	8.77	0.816	10.1	8.47	10.1	95% t-statistic UCL
			Cobalt	3 / 3	2.7	2.54	0.16	2.81	2.34	2.81	95% t-statistic UCL
			Iron	3 / 3	9450	9260	172	9550	7970	9550	95% t-statistic UCL
			Lead	3 / 3	239	204	32.4	204	204	204	Mean
			RBA Adjusted Lead	3 / 3	255	217	34.5	217	217	217	Mean
			Manganese	3 / 3	392	372	20.5	406	339	406	95% t-statistic UCL
			Nickel	3 / 3	6.98	6.73	0.413	7.42	6.2	7.42	95% t-statistic UCL
			Thallium	3 / 3	0.208	0.188	0.0177	0.217	0.182	0.217	95% t-statistic UCL
			Vanadium	3 / 3	13.6	12.9	0.755	14.2	11.8	14.2	95% t-statistic UCL
106-G1	332	Garden	Aluminum	1 / 1	7850	7850	N/A	9420	7870	9420	Result*CF
			Antimony	1 / 1	0.535	0.535	N/A	0.642	0.536	0.642	Result*CF
			Arsenic	1 / 1	4.66	4.66	N/A	5.59	4.67	5.59	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.763	0.763	N/A	0.915	0.764	0.915	Result*CF
			Cadmium	1 / 1	0.796	0.796	N/A	0.955	0.798	0.955	Result*CF
			Chromium	1 / 1	19.1	19.1	N/A	22.9	19.1	22.9	Result*CF
			Cobalt	1 / 1	5.85	5.85	N/A	7.02	5.86	7.02	Result*CF
			Iron	1 / 1	12000	12000	N/A	14400	12000	14400	Result*CF
			Lead	1 / 1	33.8	33.8	N/A	33.8	33.8	33.8	Mean
			RBA Adjusted Lead	1 / 1	28.4	28.4	N/A	28.4	28.4	28.4	Mean
			Manganese	1 / 1	301	301	N/A	361	302	361	Result*CF
			Nickel	1 / 1	16.7	16.7	N/A	20	16.7	20	Result*CF
			Thallium	1 / 1	0.123	0.123	N/A	0.148	0.123	0.148	Result*CF
			Vanadium	1 / 1	27.4	27.4	N/A	32.9	27.5	32.9	Result*CF
106-G2	333	Garden	Aluminum	1 / 1	11100	11100	N/A	13300	11100	13300	Result*CF
			Antimony	1 / 1	0.604	0.604	N/A	0.725	0.605	0.725	Result*CF
			Arsenic	1 / 1	5.11	5.11	N/A	6.13	5.12	6.13	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.836	0.836	N/A	1	0.838	1	Result*CF
			Cadmium	1 / 1	0.848	0.848	N/A	1.02	0.85	1.02	Result*CF
			Chromium	1 / 1	16.7	16.7	N/A	20	16.7	20	Result*CF
			Cobalt	1 / 1	5.25	5.25	N/A	6.3	5.26	6.3	Result*CF
			Iron	1 / 1	14700	14700	N/A	17600	14700	17600	Result*CF
			Lead	1 / 1	33.9	33.9	N/A	33.9	33.9	33.9	Mean
			RBA Adjusted Lead	1 / 1	28.5	28.5	N/A	28.5	28.5	28.5	Mean
			Manganese	1 / 1	414	414	N/A	497	415	497	Result*CF
			Nickel	1 / 1	13.7	13.7	N/A	16.4	13.7	16.4	Result*CF
			Thallium	1 / 1	0.122	0.122	N/A	0.146	0.122	0.146	Result*CF
			Vanadium	1 / 1	25.5	25.5	N/A	30.6	25.6	30.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
106-H1	334	House	Aluminum	1 / 1	9010	9010	N/A	10800	9030	10800	Result*CF
			Antimony	1 / 1	0.347	0.347	N/A	0.416	0.348	0.416	Result*CF
			Arsenic	1 / 1	3.93	3.93	N/A	4.72	3.94	4.72	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.643	0.643	N/A	0.772	0.645	0.772	Result*CF
			Cadmium	1 / 1	0.746	0.746	N/A	0.895	0.747	0.895	Result*CF
			Chromium	1 / 1	17.4	17.4	N/A	20.9	17.4	20.9	Result*CF
			Cobalt	1 / 1	5.19	5.19	N/A	6.23	5.2	6.23	Result*CF
			Iron	1 / 1	14800	14800	N/A	17800	14800	17800	Result*CF
			Lead	1 / 1	22.1	22.1	N/A	22.1	22.1	22.1	Mean
			RBA Adjusted Lead	1 / 1	18.6	18.6	N/A	18.6	18.6	18.6	Mean
			Manganese	1 / 1	315	315	N/A	378	316	378	Result*CF
			Nickel	1 / 1	14.6	14.6	N/A	17.5	14.6	17.5	Result*CF
			Thallium	1 / 1	0.111	0.111	N/A	0.133	0.111	0.133	Result*CF
			Vanadium	1 / 1	26.4	26.4	N/A	31.7	26.5	31.7	Result*CF
106-O1	335	Other -Not Specified	Aluminum	3 / 3	10200	10100	100	10300	8570	10300	95% t-statistic UCL
			Antimony	3 / 3	0.467	0.443	0.0223	0.481	0.401	0.481	95% t-statistic UCL
			Arsenic	3 / 3	5.61	5.55	0.0551	5.64	4.71	5.64	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.918	0.908	0.00901	0.923	0.771	0.923	95% t-statistic UCL
			Cadmium	3 / 3	0.69	0.667	0.02	0.701	0.585	0.701	95% t-statistic UCL
			Chromium	3 / 3	23	22.5	0.551	23.4	19.5	23.4	95% t-statistic UCL
			Cobalt	3 / 3	6.97	6.89	0.112	7.07	5.91	7.07	95% t-statistic UCL
			Iron	3 / 3	18100	17800	300	18300	15300	18300	95% t-statistic UCL
			Lead	3 / 3	30	29.6	0.4	29.6	29.6	29.6	Mean
			RBA Adjusted Lead	3 / 3	25.2	24.9	0.337	24.9	24.9	24.9	Mean
			Manganese	3 / 3	387	383	5.86	393	328	393	95% t-statistic UCL
			Nickel	3 / 3	20.6	20.5	0.173	20.8	17.4	20.8	95% t-statistic UCL
			Thallium	3 / 3	0.121	0.12	0.00115	0.122	0.102	0.122	95% t-statistic UCL
			Vanadium	3 / 3	34	33	1	34.7	28.9	34.7	95% t-statistic UCL
107-H1	336	House	Aluminum	3 / 3	12800	12400	321	13000	10800	13000	95% t-statistic UCL
			Antimony	3 / 3	3.46	3.39	0.0964	3.55	2.97	3.55	95% t-statistic UCL
			Arsenic	3 / 3	9.09	8.56	0.483	9.38	7.83	9.38	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.49	1.4	0.0791	1.54	1.28	1.54	95% t-statistic UCL
			Cadmium	3 / 3	3.72	3.44	0.243	3.85	3.21	3.85	95% t-statistic UCL
			Chromium	3 / 3	17.7	17.4	0.306	17.9	14.9	17.9	95% t-statistic UCL
			Cobalt	3 / 3	4.95	4.82	0.194	5.15	4.3	5.15	95% t-statistic UCL
			Iron	3 / 3	16100	15800	265	16200	13600	16200	95% t-statistic UCL
			Lead	3 / 3	296	278	19.7	278	278	278	Mean
			RBA Adjusted Lead	3 / 3	249	234	16.6	234	234	234	Mean
			Manganese	3 / 3	621	580	45.4	656	548	656	95% t-statistic UCL
			Nickel	3 / 3	14	13.7	0.361	14.3	11.9	14.3	95% t-statistic UCL
			Thallium	3 / 3	0.329	0.31	0.0185	0.341	0.285	0.341	95% t-statistic UCL
			Vanadium	3 / 3	22.9	22.5	0.751	23.7	19.8	23.7	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
108-H1	337	House	Aluminum	1 / 1	12000	12000	N/A	14400	12000	14400	Result*CF
			Antimony	1 / 1	1.04	1.04	N/A	1.25	1.04	1.25	Result*CF
			Arsenic	1 / 1	8.12	8.12	N/A	9.74	8.14	9.74	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.33	1.33	N/A	1.59	1.33	1.59	Result*CF
			Cadmium	1 / 1	2.03	2.03	N/A	2.44	2.03	2.44	Result*CF
			Chromium	1 / 1	16.4	16.4	N/A	19.7	16.4	19.7	Result*CF
			Cobalt	1 / 1	5.39	5.39	N/A	6.47	5.4	6.47	Result*CF
			Iron	1 / 1	17300	17300	N/A	20800	17300	20800	Result*CF
			Lead	1 / 1	86.5	86.5	N/A	86.5	86.5	86.5	Mean
			RBA Adjusted Lead	1 / 1	72.8	72.8	N/A	72.8	72.8	72.8	Mean
			Manganese	1 / 1	392	392	N/A	470	393	470	Result*CF
			Nickel	1 / 1	12.7	12.7	N/A	15.2	12.7	15.2	Result*CF
			Thallium	1 / 1	0.193	0.193	N/A	0.232	0.193	0.232	Result*CF
			Vanadium	1 / 1	26.2	26.2	N/A	31.4	26.3	31.4	Result*CF
108-O1	338	Other -Not Specified	Aluminum	1 / 1	14900	14900	N/A	17900	14900	17900	Result*CF
			Antimony	1 / 1	1.52	1.52	N/A	1.82	1.52	1.82	Result*CF
			Arsenic	1 / 1	10.1	10.1	N/A	12.1	10.1	12.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.65	1.65	N/A	1.98	1.66	1.98	Result*CF
			Cadmium	1 / 1	3.48	3.48	N/A	4.18	3.49	4.18	Result*CF
			Chromium	1 / 1	15.8	15.8	N/A	19	15.8	19	Result*CF
			Cobalt	1 / 1	5.5	5.5	N/A	6.6	5.51	6.6	Result*CF
			Iron	1 / 1	17400	17400	N/A	20900	17400	20900	Result*CF
			Lead	1 / 1	142	142	N/A	142	142	142	Mean
			RBA Adjusted Lead	1 / 1	119	119	N/A	119	119	119	Mean
			Manganese	1 / 1	441	441	N/A	529	442	529	Result*CF
			Nickel	1 / 1	13.1	13.1	N/A	15.7	13.1	15.7	Result*CF
			Thallium	1 / 1	0.22	0.22	N/A	0.264	0.22	0.264	Result*CF
			Vanadium	1 / 1	26.9	26.9	N/A	32.3	27	32.3	Result*CF
108-O2	339	Other -Not Specified	Aluminum	3 / 3	16300	15700	603	16700	14000	16700	95% t-statistic UCL
			Antimony	3 / 3	0.976	0.811	0.143	1.05	0.879	1.05	95% t-statistic UCL
			Arsenic	3 / 3	7.66	7.28	0.337	7.84	6.55	7.84	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.25	1.19	0.0551	1.28	1.07	1.28	95% t-statistic UCL
			Cadmium	3 / 3	1.99	1.73	0.226	2.11	1.76	2.11	95% t-statistic UCL
			Chromium	3 / 3	19	18.3	0.7	19.5	16.3	19.5	95% t-statistic UCL
			Cobalt	3 / 3	6.53	6.34	0.177	6.64	5.54	6.64	95% t-statistic UCL
			Iron	3 / 3	18600	18200	351	18800	15700	18800	95% t-statistic UCL
			Lead	3 / 3	73.8	64.1	8.44	64.1	64.1	64.1	Mean
			RBA Adjusted Lead	3 / 3	62.1	53.9	7.1	53.9	53.9	53.9	Mean
			Manganese	3 / 3	465	457	7.09	469	392	469	95% t-statistic UCL
			Nickel	3 / 3	15.6	15	0.529	15.9	13.3	15.9	95% t-statistic UCL
			Thallium	3 / 3	0.192	0.187	0.00416	0.194	0.162	0.194	95% t-statistic UCL
			Vanadium	3 / 3	31.4	30.2	1.25	32.3	26.9	32.3	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
109-H1[d]	340[d]	House	Aluminum	--	9700	--	--	--	8100	9700	Maximum Backfill
			Antimony	--	0.34	--	--	--	0.284	0.34	Maximum Backfill
			Arsenic	--	3.3	--	--	--	2.76	3.3	Maximum Backfill
			RBA Adjusted Arsenic	--	0.91	--	--	--	0.76	0.91	Maximum Backfill
			Cadmium	--	0.28	--	--	--	0.234	0.28	Maximum Backfill
			Chromium	--	31	--	--	--	25.9	31	Maximum Backfill
			Cobalt	--	5.8	--	--	--	4.84	5.8	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	19	--	--	--	19	19	Maximum Backfill
			RBA Adjusted Lead	--	20.2	--	--	--	20.2	20.2	Maximum Backfill
			Manganese	--	310	--	--	--	259	310	Maximum Backfill
			Nickel	--	21	--	--	--	17.5	21	Maximum Backfill
			Thallium	--	0.11	--	--	--	0.0919	0.11	Maximum Backfill
			Vanadium	--	27	--	--	--	22.5	27	Maximum Backfill
110-A1	341	Agriculture	Aluminum	1 / 1	20100	20100	N/A	24100	20100	24100	Result*CF
			Antimony	1 / 1	1.6	1.6	N/A	1.92	1.6	1.92	Result*CF
			Arsenic	1 / 1	12.1	12.1	N/A	14.5	12.1	14.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.98	1.98	N/A	2.38	1.98	2.38	Result*CF
			Cadmium	1 / 1	3.09	3.09	N/A	3.71	3.1	3.71	Result*CF
			Chromium	1 / 1	16.6	16.6	N/A	19.9	16.6	19.9	Result*CF
			Cobalt	1 / 1	6.1	6.1	N/A	7.32	6.11	7.32	Result*CF
			Iron	1 / 1	18000	18000	N/A	21600	18000	21600	Result*CF
			Lead	1 / 1	109	109	N/A	109	109	109	Mean
			RBA Adjusted Lead	1 / 1	91.7	91.7	N/A	91.7	91.7	91.7	Mean
			Manganese	1 / 1	610	610	N/A	732	611	732	Result*CF
			Nickel	1 / 1	12.3	12.3	N/A	14.8	12.3	14.8	Result*CF
			Thallium	1 / 1	0.226	0.226	N/A	0.271	0.226	0.271	Result*CF
			Vanadium	1 / 1	33.2	33.2	N/A	39.8	33.3	39.8	Result*CF
110G	191	Garden	Aluminum	1 / 1	12000	12000	N/A	14400	12000	14400	Result*CF
			Antimony	1 / 1	0.531	0.531	N/A	0.637	0.532	0.637	Result*CF
			Arsenic	1 / 1	6.86	6.86	N/A	8.23	6.87	8.23	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.89	1.89	N/A	2.27	1.89	2.27	Result*CF
			Cadmium	1 / 1	0.925	0.925	N/A	1.11	0.927	1.11	Result*CF
			Chromium	1 / 1	14.4	14.4	N/A	17.3	14.4	17.3	Result*CF
			Cobalt	1 / 1	4.82	4.82	N/A	5.78	4.83	5.78	Result*CF
			Iron	1 / 1	12100	12100	N/A	14500	12100	14500	Result*CF
			Lead	1 / 1	39	39	N/A	39	39	39	Mean
			RBA Adjusted Lead	1 / 1	41.5	41.5	N/A	41.5	41.5	41.5	Mean
			Manganese	1 / 1	376	376	N/A	451	377	451	Result*CF
			Nickel	1 / 1	13.2	13.2	N/A	15.8	13.2	15.8	Result*CF
			Thallium	1 / 1	0.144	0.144	N/A	0.173	0.144	0.173	Result*CF
			Vanadium	1 / 1	21.7	21.7	N/A	26	21.7	26	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
110-G1	342	Garden	Aluminum	1 / 1	16600	16600	N/A	19900	16600	19900	Result*CF
			Antimony	1 / 1	1.3	1.3	N/A	1.56	1.3	1.56	Result*CF
			Arsenic	1 / 1	9.26	9.26	N/A	11.1	9.28	11.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.52	1.52	N/A	1.82	1.52	1.82	Result*CF
			Cadmium	1 / 1	2.03	2.03	N/A	2.44	2.03	2.44	Result*CF
			Chromium	1 / 1	14.3	14.3	N/A	17.2	14.3	17.2	Result*CF
			Cobalt	1 / 1	5.4	5.4	N/A	6.48	5.41	6.48	Result*CF
			Iron	1 / 1	17400	17400	N/A	20900	17400	20900	Result*CF
			Lead	1 / 1	80.5	80.5	N/A	80.5	80.5	80.5	Mean
			RBA Adjusted Lead	1 / 1	67.7	67.7	N/A	67.7	67.7	67.7	Mean
			Manganese	1 / 1	516	516	N/A	619	517	619	Result*CF
			Nickel	1 / 1	10.7	10.7	N/A	12.8	10.7	12.8	Result*CF
			Thallium	1 / 1	0.156	0.156	N/A	0.187	0.156	0.187	Result*CF
			Vanadium	1 / 1	31.9	31.9	N/A	38.3	32	38.3	Result*CF
110-G2	343	Garden	Aluminum	1 / 1	19300	19300	N/A	23200	19300	23200	Result*CF
			Antimony	1 / 1	0.566	0.566	N/A	0.679	0.567	0.679	Result*CF
			Arsenic	1 / 1	5.61	5.61	N/A	6.73	5.62	6.73	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.918	0.918	N/A	1.1	0.92	1.1	Result*CF
			Cadmium	1 / 1	0.972	0.972	N/A	1.17	0.974	1.17	Result*CF
			Chromium	1 / 1	15.7	15.7	N/A	18.8	15.7	18.8	Result*CF
			Cobalt	1 / 1	5.4	5.4	N/A	6.48	5.41	6.48	Result*CF
			Iron	1 / 1	19100	19100	N/A	22900	19100	22900	Result*CF
			Lead	1 / 1	36.6	36.6	N/A	36.6	36.6	36.6	Mean
			RBA Adjusted Lead	1 / 1	30.8	30.8	N/A	30.8	30.8	30.8	Mean
			Manganese	1 / 1	439	439	N/A	527	440	527	Result*CF
			Nickel	1 / 1	11.2	11.2	N/A	13.4	11.2	13.4	Result*CF
			Thallium	1 / 1	0.141	0.141	N/A	0.169	0.141	0.169	Result*CF
			Vanadium	1 / 1	32.5	32.5	N/A	39	32.6	39	Result*CF
110-H1	344	House	Aluminum	1 / 1	15800	15800	N/A	19000	15800	19000	Result*CF
			Antimony	1 / 1	0.95	0.95	N/A	1.14	0.952	1.14	Result*CF
			Arsenic	1 / 1	8.22	8.22	N/A	9.86	8.24	9.86	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.35	1.35	N/A	1.61	1.35	1.61	Result*CF
			Cadmium	1 / 1	1.72	1.72	N/A	2.06	1.72	2.06	Result*CF
			Chromium	1 / 1	13.7	13.7	N/A	16.4	13.7	16.4	Result*CF
			Cobalt	1 / 1	4.81	4.81	N/A	5.77	4.82	5.77	Result*CF
			Iron	1 / 1	16500	16500	N/A	19800	16500	19800	Result*CF
			Lead	1 / 1	69.9	69.9	N/A	69.9	69.9	69.9	Mean
			RBA Adjusted Lead	1 / 1	58.8	58.8	N/A	58.8	58.8	58.8	Mean
			Manganese	1 / 1	426	426	N/A	511	427	511	Result*CF
			Nickel	1 / 1	10.3	10.3	N/A	12.4	10.3	12.4	Result*CF
			Thallium	1 / 1	0.155	0.155	N/A	0.186	0.155	0.186	Result*CF
			Vanadium	1 / 1	28	28	N/A	33.6	28.1	33.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
110-O1	345	Other -Not Specified	Aluminum	3 / 3	14600	14500	115	14700	12300	14700	95% t-statistic UCL
			Antimony	3 / 3	0.793	0.762	0.0492	0.845	0.705	0.845	95% t-statistic UCL
			Arsenic	3 / 3	6.77	6.53	0.226	6.91	5.77	6.91	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.11	1.07	0.037	1.13	0.945	1.13	95% t-statistic UCL
			Cadmium	3 / 3	1.6	1.55	0.0624	1.66	1.38	1.66	95% t-statistic UCL
			Chromium	3 / 3	13.7	13.4	0.351	14	11.7	14	95% t-statistic UCL
			Cobalt	3 / 3	4.6	4.46	0.15	4.71	3.93	4.71	95% t-statistic UCL
			Iron	3 / 3	15600	15400	252	15800	13200	15800	95% t-statistic UCL
			Lead	3 / 3	57	54.8	2.04	54.8	54.8	54.8	Mean
			RBA Adjusted Lead	3 / 3	48	46.1	1.72	46.1	46.1	46.1	Mean
			Manganese	3 / 3	439	435	3.46	441	368	441	95% t-statistic UCL
			Nickel	3 / 3	11.1	10.8	0.361	11.4	9.53	11.4	95% t-statistic UCL
			Thallium	3 / 3	0.157	0.152	0.00757	0.164	0.137	0.164	95% t-statistic UCL
			Vanadium	3 / 3	25.3	24.4	0.819	25.8	21.5	25.8	95% t-statistic UCL
110-O2	346	Other -Not Specified	Aluminum	1 / 1	19500	19500	N/A	23400	19500	23400	Result*CF
			Antimony	1 / 1	1.42	1.42	N/A	1.7	1.42	1.7	Result*CF
			Arsenic	1 / 1	10.7	10.7	N/A	12.8	10.7	12.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.75	1.75	N/A	2.1	1.75	2.1	Result*CF
			Cadmium	1 / 1	2.84	2.84	N/A	3.41	2.85	3.41	Result*CF
			Chromium	1 / 1	15.4	15.4	N/A	18.5	15.4	18.5	Result*CF
			Cobalt	1 / 1	5.73	5.73	N/A	6.88	5.74	6.88	Result*CF
			Iron	1 / 1	17900	17900	N/A	21500	17900	21500	Result*CF
			Lead	1 / 1	95.9	95.9	N/A	95.9	95.9	95.9	Mean
			RBA Adjusted Lead	1 / 1	80.7	80.7	N/A	80.7	80.7	80.7	Mean
			Manganese	1 / 1	570	570	N/A	684	571	684	Result*CF
			Nickel	1 / 1	11.7	11.7	N/A	14	11.7	14	Result*CF
			Thallium	1 / 1	0.213	0.213	N/A	0.256	0.213	0.256	Result*CF
			Vanadium	1 / 1	32.2	32.2	N/A	38.6	32.3	38.6	Result*CF
111-H1	347	House	Aluminum	3 / 3	10500	10300	173	10600	8840	10600	95% t-statistic UCL
			Antimony	3 / 3	0.516	0.505	0.00971	0.522	0.436	0.522	95% t-statistic UCL
			Arsenic	3 / 3	5.33	5.15	0.236	5.55	4.63	5.55	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.47	1.42	0.0651	1.53	1.28	1.53	95% t-statistic UCL
			Cadmium	3 / 3	1.09	1.02	0.0674	1.13	0.943	1.13	95% t-statistic UCL
			Chromium	3 / 3	16.3	15.9	0.351	16.5	13.8	16.5	95% t-statistic UCL
			Cobalt	3 / 3	5.83	5.65	0.175	5.95	4.96	5.95	95% t-statistic UCL
			Iron	3 / 3	16400	16000	451	16700	14000	16700	95% t-statistic UCL
			Lead	3 / 3	40	39.4	0.709	39.4	39.4	39.4	Mean
			RBA Adjusted Lead	3 / 3	42.6	41.9	0.756	41.9	41.9	41.9	Mean
			Manganese	3 / 3	385	372	11.4	391	327	391	95% t-statistic UCL
			Nickel	3 / 3	14	13.6	0.4	14.3	11.9	14.3	95% t-statistic UCL
			Thallium	3 / 3	0.174	0.171	0.00306	0.176	0.147	0.176	95% t-statistic UCL
			Vanadium	3 / 3	26.5	26	0.681	27.1	22.6	27.1	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
112G	213	Garden	Aluminum	3 / 3	21400	20500	1010	22200	18500	22200	95% t-statistic UCL
			Antimony	3 / 3	4.54	3.19	1.18	5.18	4.33	5.18	95% t-statistic UCL
			Arsenic	3 / 3	20.9	19.7	1.2	21.8	18.2	21.8	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	7.61	7.19	0.438	7.92	6.62	7.92	95% t-statistic UCL
			Cadmium	3 / 3	4.9	4.58	0.311	5.1	4.26	5.1	95% t-statistic UCL
			Chromium	3 / 3	23	19.3	3.27	24.8	20.7	24.8	95% t-statistic UCL
			Cobalt	3 / 3	7.58	7.44	0.178	7.74	6.46	7.74	95% t-statistic UCL
			Iron	3 / 3	16000	15700	436	16400	13700	16400	95% t-statistic UCL
			Lead	3 / 3	184	163	24.6	163	163	163	Mean
			RBA Adjusted Lead	3 / 3	205	182	27.3	182	182	182	Mean
			Manganese	3 / 3	731	685	39.8	752	628	752	95% t-statistic UCL
			Nickel	3 / 3	25.4	23.4	2.3	27.3	22.8	27.3	95% t-statistic UCL
			Thallium	3 / 3	0.268	0.261	0.00666	0.272	0.227	0.272	95% t-statistic UCL
			Vanadium	3 / 3	30.2	28.9	1.25	31	25.9	31	95% t-statistic UCL
112-G1	348	Garden	Aluminum	1 / 1	10200	10200	N/A	12200	10200	12200	Result*CF
			Antimony	1 / 1	1.97	1.97	N/A	2.36	1.97	2.36	Result*CF
			Arsenic	1 / 1	12.8	12.8	N/A	15.4	12.8	15.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.53	3.53	N/A	4.23	3.54	4.23	Result*CF
			Cadmium	1 / 1	4.42	4.42	N/A	5.3	4.43	5.3	Result*CF
			Chromium	1 / 1	17.6	17.6	N/A	21.1	17.6	21.1	Result*CF
			Cobalt	1 / 1	7.55	7.55	N/A	9.06	7.57	9.06	Result*CF
			Iron	1 / 1	16400	16400	N/A	19700	16400	19700	Result*CF
			Lead	1 / 1	91.4	91.4	N/A	91.4	91.4	91.4	Mean
			RBA Adjusted Lead	1 / 1	97.3	97.3	N/A	97.3	97.3	97.3	Mean
			Manganese	1 / 1	429	429	N/A	515	430	515	Result*CF
			Nickel	1 / 1	35.8	35.8	N/A	43	35.9	43	Result*CF
			Thallium	1 / 1	0.2	0.2	N/A	0.24	0.2	0.24	Result*CF
			Vanadium	1 / 1	27.1	27.1	N/A	32.5	27.2	32.5	Result*CF
112-H1	349	House	Aluminum	1 / 1	9320	9320	N/A	11200	9340	11200	Result*CF
			Antimony	1 / 1	1.65	1.65	N/A	1.98	1.65	1.98	Result*CF
			Arsenic	1 / 1	10.3	10.3	N/A	12.4	10.3	12.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.84	2.84	N/A	3.41	2.84	3.41	Result*CF
			Cadmium	1 / 1	3.92	3.92	N/A	4.7	3.93	4.7	Result*CF
			Chromium	1 / 1	15.5	15.5	N/A	18.6	15.5	18.6	Result*CF
			Cobalt	1 / 1	6.47	6.47	N/A	7.76	6.48	7.76	Result*CF
			Iron	1 / 1	15200	15200	N/A	18200	15200	18200	Result*CF
			Lead	1 / 1	80.2	80.2	N/A	80.2	80.2	80.2	Mean
			RBA Adjusted Lead	1 / 1	85.4	85.4	N/A	85.4	85.4	85.4	Mean
			Manganese	1 / 1	362	362	N/A	434	363	434	Result*CF
			Nickel	1 / 1	31.4	31.4	N/A	37.7	31.5	37.7	Result*CF
			Thallium	1 / 1	0.174	0.174	N/A	0.209	0.174	0.209	Result*CF
			Vanadium	1 / 1	23.6	23.6	N/A	28.3	23.6	28.3	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
112-O1	350	Other -Not Specified	Aluminum	3 / 3	10600	10300	355	10900	9100	10900	95% t-statistic UCL
			Antimony	3 / 3	4.14	4.02	0.126	4.24	3.54	4.24	95% t-statistic UCL
			Arsenic	3 / 3	18	17.2	0.854	18.6	15.6	18.6	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	5.33	5.1	0.253	5.52	4.61	5.52	95% t-statistic UCL
			Cadmium	3 / 3	8.81	8.5	0.429	9.22	7.7	9.22	95% t-statistic UCL
			Chromium	3 / 3	18.4	17.9	0.458	18.7	15.6	18.7	95% t-statistic UCL
			Cobalt	3 / 3	7.59	7.54	0.0473	7.62	6.36	7.62	95% t-statistic UCL
			Iron	3 / 3	18400	18100	493	18900	15800	18900	95% t-statistic UCL
			Lead	3 / 3	277	273	6.66	273	273	273	Mean
			RBA Adjusted Lead	3 / 3	302	297	7.25	297	297	297	Mean
			Manganese	3 / 3	582	516	57.9	613	512	613	95% t-statistic UCL
			Nickel	3 / 3	30.6	30.1	0.503	31	25.9	31	95% t-statistic UCL
			Thallium	3 / 3	0.339	0.333	0.00721	0.345	0.288	0.345	95% t-statistic UCL
			Vanadium	3 / 3	28.2	27.2	0.866	28.7	23.9	28.7	95% t-statistic UCL
113-G1	351	Garden	Aluminum	1 / 1	16400	16400	N/A	19700	16400	19700	Result*CF
			Antimony	1 / 1	2.7	2.7	N/A	3.24	2.71	3.24	Result*CF
			Arsenic	1 / 1	17.1	17.1	N/A	20.5	17.1	20.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.8	2.8	N/A	3.36	2.8	3.36	Result*CF
			Cadmium	1 / 1	5.26	5.26	N/A	6.31	5.27	6.31	Result*CF
			Chromium	1 / 1	18.9	18.9	N/A	22.7	18.9	22.7	Result*CF
			Cobalt	1 / 1	7.36	7.36	N/A	8.83	7.37	8.83	Result*CF
			Iron	1 / 1	19500	19500	N/A	23400	19500	23400	Result*CF
			Lead	1 / 1	204	204	N/A	204	204	204	Mean
			RBA Adjusted Lead	1 / 1	172	172	N/A	172	172	172	Mean
			Manganese	1 / 1	717	717	N/A	860	718	860	Result*CF
			Nickel	1 / 1	18.8	18.8	N/A	22.6	18.8	22.6	Result*CF
			Thallium	1 / 1	0.262	0.262	N/A	0.314	0.263	0.314	Result*CF
			Vanadium	1 / 1	26.7	26.7	N/A	32	26.8	32	Result*CF
113-G2	352	Garden	Aluminum	1 / 1	16700	16700	N/A	20000	16700	20000	Result*CF
			Antimony	1 / 1	3.19	3.19	N/A	3.83	3.2	3.83	Result*CF
			Arsenic	1 / 1	19.1	19.1	N/A	22.9	19.1	22.9	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.13	3.13	N/A	3.75	3.13	3.75	Result*CF
			Cadmium	1 / 1	5.63	5.63	N/A	6.76	5.64	6.76	Result*CF
			Chromium	1 / 1	19.4	19.4	N/A	23.3	19.4	23.3	Result*CF
			Cobalt	1 / 1	7.68	7.68	N/A	9.22	7.7	9.22	Result*CF
			Iron	1 / 1	19700	19700	N/A	23600	19700	23600	Result*CF
			Lead	1 / 1	226	226	N/A	226	226	226	Mean
			RBA Adjusted Lead	1 / 1	190	190	N/A	190	190	190	Mean
			Manganese	1 / 1	706	706	N/A	847	707	847	Result*CF
			Nickel	1 / 1	19.2	19.2	N/A	23	19.2	23	Result*CF
			Thallium	1 / 1	0.281	0.281	N/A	0.337	0.282	0.337	Result*CF
			Vanadium	1 / 1	27.5	27.5	N/A	33	27.6	33	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
113-G3	353	Garden	Aluminum	1 / 1	10900	10900	N/A	13100	10900	13100	Result*CF
			Antimony	1 / 1	1.77	1.77	N/A	2.12	1.77	2.12	Result*CF
			Arsenic	1 / 1	9.8	9.8	N/A	11.8	9.82	11.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.6	1.6	N/A	1.92	1.61	1.92	Result*CF
			Cadmium	1 / 1	2.56	2.56	N/A	3.07	2.57	3.07	Result*CF
			Chromium	1 / 1	17.6	17.6	N/A	21.1	17.6	21.1	Result*CF
			Cobalt	1 / 1	5	5	N/A	6	5.01	6	Result*CF
			Iron	1 / 1	13300	13300	N/A	16000	13300	16000	Result*CF
			Lead	1 / 1	90.7	90.7	N/A	90.7	90.7	90.7	Mean
			RBA Adjusted Lead	1 / 1	76.3	76.3	N/A	76.3	76.3	76.3	Mean
			Manganese	1 / 1	357	357	N/A	428	358	428	Result*CF
			Nickel	1 / 1	14.4	14.4	N/A	17.3	14.4	17.3	Result*CF
			Thallium	1 / 1	0.171	0.171	N/A	0.205	0.171	0.205	Result*CF
			Vanadium	1 / 1	21.2	21.2	N/A	25.4	21.2	25.4	Result*CF
113low	214	Other -Not Specified	Aluminum	1 / 1	16100	16100	N/A	19300	16100	19300	Result*CF
			Antimony	1 / 1	2.61	2.61	N/A	3.13	2.62	3.13	Result*CF
			Arsenic	1 / 1	20.3	20.3	N/A	24.4	20.3	24.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	5.6	5.6	N/A	6.71	5.61	6.71	Result*CF
			Cadmium	1 / 1	5.64	5.64	N/A	6.77	5.65	6.77	Result*CF
			Chromium	1 / 1	22.1	22.1	N/A	26.5	22.1	26.5	Result*CF
			Cobalt	1 / 1	6.39	6.39	N/A	7.67	6.4	7.67	Result*CF
			Iron	1 / 1	18300	18300	N/A	22000	18300	22000	Result*CF
			Lead	1 / 1	247	247	N/A	247	247	247	Mean
			RBA Adjusted Lead	1 / 1	263	263	N/A	263	263	263	Mean
			Manganese	1 / 1	734	734	N/A	881	735	881	Result*CF
			Nickel	1 / 1	17.4	17.4	N/A	20.9	17.4	20.9	Result*CF
			Thallium	1 / 1	0.315	0.315	N/A	0.378	0.316	0.378	Result*CF
			Vanadium	1 / 1	28.6	28.6	N/A	34.3	28.7	34.3	Result*CF
113-O1	354	Other -Not Specified	Aluminum	3 / 3	17600	16500	929	18100	15100	18100	95% t-statistic UCL
			Antimony	3 / 3	2.37	2.28	0.095	2.44	2.03	2.44	95% t-statistic UCL
			Arsenic	3 / 3	14.7	14.4	0.351	15	12.5	15	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.41	2.35	0.0575	2.45	2.04	2.45	95% t-statistic UCL
			Cadmium	3 / 3	4.44	4.14	0.329	4.7	3.92	4.7	95% t-statistic UCL
			Chromium	3 / 3	21	20.4	0.551	21.3	17.8	21.3	95% t-statistic UCL
			Cobalt	3 / 3	7.19	6.98	0.324	7.53	6.29	7.53	95% t-statistic UCL
			Iron	3 / 3	19900	19500	451	20200	16900	20200	95% t-statistic UCL
			Lead	3 / 3	155	146	7.94	146	146	146	Mean
			RBA Adjusted Lead	3 / 3	130	123	6.68	123	123	123	Mean
			Manganese	3 / 3	566	552	15.6	578	483	578	95% t-statistic UCL
			Nickel	3 / 3	18	17.4	0.814	18.8	15.7	18.8	95% t-statistic UCL
			Thallium	3 / 3	0.231	0.225	0.00954	0.241	0.201	0.241	95% t-statistic UCL
			Vanadium	3 / 3	31.6	30.6	1.31	32.8	27.4	32.8	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
113up	215	Other -Not Specified	Aluminum	3 / 3	22600	22300	306	22800	19000	22800	95% t-statistic UCL
			Antimony	3 / 3	4.29	4.06	0.213	4.42	3.69	4.42	95% t-statistic UCL
			Arsenic	3 / 3	32.3	30.8	1.68	33.7	28.1	33.7	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	10.2	9.74	0.531	10.6	8.88	10.6	95% t-statistic UCL
			Cadmium	3 / 3	9.29	8.93	0.382	9.58	8	9.58	95% t-statistic UCL
			Chromium	3 / 3	16.7	16.3	0.551	17.3	14.4	17.3	95% t-statistic UCL
			Cobalt	3 / 3	7.19	7.1	0.147	7.35	6.14	7.35	95% t-statistic UCL
			Iron	3 / 3	16700	16600	231	17000	14200	17000	95% t-statistic UCL
			Lead	3 / 3	331	328	2.31	328	328	328	Mean
			RBA Adjusted Lead	3 / 3	402	399	2.81	399	399	399	Mean
			Manganese	3 / 3	779	767	19.9	801	668	801	95% t-statistic UCL
			Nickel	3 / 3	15.6	15.4	0.346	16	13.3	16	95% t-statistic UCL
			Thallium	3 / 3	0.391	0.381	0.014	0.405	0.338	0.405	95% t-statistic UCL
			Vanadium	3 / 3	27.5	27	0.5	27.8	23.2	27.8	95% t-statistic UCL
114-G1	355	Garden	Aluminum	1 / 1	4480	4480	N/A	5380	4490	5380	Result*CF
			Antimony	1 / 1	1.7	1.7	N/A	2.04	1.7	2.04	Result*CF
			Arsenic	1 / 1	11.9	11.9	N/A	14.3	11.9	14.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.95	1.95	N/A	2.34	1.95	2.34	Result*CF
			Cadmium	1 / 1	6.66	6.66	N/A	7.99	6.67	7.99	Result*CF
			Chromium	1 / 1	12.7	12.7	N/A	15.2	12.7	15.2	Result*CF
			Cobalt	1 / 1	4.02	4.02	N/A	4.82	4.03	4.82	Result*CF
			Iron	1 / 1	22900	22900	N/A	27500	22900	27500	Result*CF
			Lead	1 / 1	348	348	N/A	348	348	348	Mean
			RBA Adjusted Lead	1 / 1	293	293	N/A	293	293	293	Mean
			Manganese	1 / 1	357	357	N/A	428	358	428	Result*CF
			Nickel	1 / 1	13.5	13.5	N/A	16.2	13.5	16.2	Result*CF
			Thallium	1 / 1	0.251	0.251	N/A	0.301	0.252	0.301	Result*CF
			Vanadium	1 / 1	29.9	29.9	N/A	35.9	30	35.9	Result*CF
114-H1	356	House	Aluminum	1 / 1	5950	5950	N/A	7140	5960	7140	Result*CF
			Antimony	1 / 1	2.56	2.56	N/A	3.07	2.57	3.07	Result*CF
			Arsenic	1 / 1	14.7	14.7	N/A	17.6	14.7	17.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.41	2.41	N/A	2.89	2.41	2.89	Result*CF
			Cadmium	1 / 1	7.69	7.69	N/A	9.23	7.71	9.23	Result*CF
			Chromium	1 / 1	17.4	17.4	N/A	20.9	17.4	20.9	Result*CF
			Cobalt	1 / 1	5.09	5.09	N/A	6.11	5.1	6.11	Result*CF
			Iron	1 / 1	28100	28100	N/A	33700	28200	33700	Result*CF
			Lead	1 / 1	389	389	N/A	389	389	389	Mean
			RBA Adjusted Lead	1 / 1	327	327	N/A	327	327	327	Mean
			Manganese	1 / 1	398	398	N/A	478	399	478	Result*CF
			Nickel	1 / 1	15.3	15.3	N/A	18.4	15.3	18.4	Result*CF
			Thallium	1 / 1	0.285	0.285	N/A	0.342	0.286	0.342	Result*CF
			Vanadium	1 / 1	36.9	36.9	N/A	44.3	37	44.3	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
114-O1	357	Other -Not Specified	Aluminum	3 / 3	7390	7060	304	7580	6330	7580	95% t-statistic UCL
			Antimony	3 / 3	2.54	2.36	0.159	2.62	2.19	2.62	95% t-statistic UCL
			Arsenic	3 / 3	16	15.4	0.557	16.3	13.6	16.3	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.02	1.95	0.0704	2.06	1.72	2.06	95% t-statistic UCL
			Cadmium	3 / 3	7.84	7.63	0.185	7.94	6.63	7.94	95% t-statistic UCL
			Chromium	3 / 3	21	20.6	0.586	21.6	18	21.6	95% t-statistic UCL
			Cobalt	3 / 3	6.14	6.03	0.121	6.23	5.2	6.23	95% t-statistic UCL
			Iron	3 / 3	33900	33000	862	34400	28700	34400	95% t-statistic UCL
			Lead	3 / 3	387	374	11.4	374	374	374	Mean
			RBA Adjusted Lead	3 / 3	272	263	7.99	263	263	263	Mean
			Manganese	3 / 3	427	421	6.66	433	361	433	95% t-statistic UCL
			Nickel	3 / 3	19	18.1	0.819	19.5	16.3	19.5	95% t-statistic UCL
			Thallium	3 / 3	0.326	0.314	0.0143	0.338	0.282	0.338	95% t-statistic UCL
			Vanadium	3 / 3	36.5	35.9	0.513	36.8	30.7	36.8	95% t-statistic UCL
115-O1	358	Other -Not Specified	Aluminum	3 / 3	13100	12700	351	13300	11100	13300	95% t-statistic UCL
			Antimony	3 / 3	3.99	3.39	0.525	4.28	3.57	4.28	95% t-statistic UCL
			Arsenic	3 / 3	36.7	32.4	3.73	38.7	32.3	38.7	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	10.1	8.93	1.03	10.7	8.9	10.7	95% t-statistic UCL
			Cadmium	3 / 3	5.3	5.05	0.241	5.45	4.55	5.45	95% t-statistic UCL
			Chromium	3 / 3	39.1	37.6	1.73	40.5	33.8	40.5	95% t-statistic UCL
			Cobalt	3 / 3	9.6	9.39	0.338	9.96	8.32	9.96	95% t-statistic UCL
			Iron	3 / 3	24800	24200	794	25500	21300	25500	95% t-statistic UCL
			Lead	3 / 3	413	371	37.4	371	371	371	Mean
			RBA Adjusted Lead	3 / 3	440	395	39.9	395	395	395	Mean
			Manganese	3 / 3	471	462	15.3	487	407	487	95% t-statistic UCL
			Nickel	3 / 3	25.7	24.9	0.917	26.4	22.1	26.4	95% t-statistic UCL
			Thallium	3 / 3	0.533	0.465	0.0588	0.564	0.471	0.564	95% t-statistic UCL
			Vanadium	3 / 3	54.8	52.9	2.98	58	48.4	58	95% t-statistic UCL
115SP	147	Other -Not Specified	Aluminum	1 / 1	19000	19000	N/A	22800	19000	22800	Result*CF
			Antimony	1 / 1	6.27	6.27	N/A	7.52	6.28	7.52	Result*CF
			Arsenic	1 / 1	26.8	26.8	N/A	32.2	26.9	32.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	5.97	5.97	N/A	7.16	5.98	7.16	Result*CF
			Cadmium	1 / 1	7.14	7.14	N/A	8.57	7.15	8.57	Result*CF
			Chromium	1 / 1	25.1	25.1	N/A	30.1	25.2	30.1	Result*CF
			Cobalt	1 / 1	6.12	6.12	N/A	7.34	6.13	7.34	Result*CF
			Iron	1 / 1	15300	15300	N/A	18400	15300	18400	Result*CF
			Lead	1 / 1	437	437	N/A	437	437	437	Mean
			RBA Adjusted Lead	1 / 1	493	493	N/A	493	493	493	Mean
			Manganese	1 / 1	456	456	N/A	547	457	547	Result*CF
			Nickel	1 / 1	13.9	13.9	N/A	16.7	13.9	16.7	Result*CF
			Thallium	1 / 1	0.559	0.559	N/A	0.671	0.56	0.671	Result*CF
			Vanadium	1 / 1	31.5	31.5	N/A	37.8	31.6	37.8	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
116M	122	House	Aluminum	3 / 3	7400	7170	200	7510	6270	7510	95% t-statistic UCL
			Antimony	3 / 3	5.78	4.86	0.805	6.21	5.19	6.21	95% t-statistic UCL
			Arsenic	3 / 3	19.4	18	1.21	20.1	16.8	20.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.84	4.5	0.302	5.01	4.18	5.01	95% t-statistic UCL
			Cadmium	3 / 3	6.02	5.42	0.529	6.31	5.27	6.31	95% t-statistic UCL
			Chromium	3 / 3	21.2	20.8	0.361	21.4	17.9	21.4	95% t-statistic UCL
			Cobalt	3 / 3	6.65	6.28	0.324	6.82	5.7	6.82	95% t-statistic UCL
			Iron	3 / 3	24900	22800	1910	26000	21700	26000	95% t-statistic UCL
			Lead	3 / 3	360	325	30.6	325	325	325	Mean
			RBA Adjusted Lead	3 / 3	385	347	32.8	347	347	347	Mean
			Manganese	3 / 3	324	292	28.2	339	283	339	95% t-statistic UCL
			Nickel	3 / 3	15.4	15.1	0.306	15.6	13	15.6	95% t-statistic UCL
			Thallium	3 / 3	0.381	0.361	0.0229	0.4	0.334	0.4	95% t-statistic UCL
			Vanadium	3 / 3	33.9	33.3	0.6	34.3	28.7	34.3	95% t-statistic UCL
116-O1	359	Other -Not Specified	Aluminum	3 / 3	17700	17200	503	18000	15000	18000	95% t-statistic UCL
			Antimony	3 / 3	1.65	1.5	0.129	1.72	1.44	1.72	95% t-statistic UCL
			Arsenic	3 / 3	7.27	6.5	0.671	7.63	6.37	7.63	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.19	1.06	0.11	1.25	1.04	1.25	95% t-statistic UCL
			Cadmium	3 / 3	3.12	2.76	0.318	3.29	2.75	3.29	95% t-statistic UCL
			Chromium	3 / 3	22.6	20.9	1.61	23.6	19.7	23.6	95% t-statistic UCL
			Cobalt	3 / 3	6.74	6.17	0.532	7.06	5.9	7.06	95% t-statistic UCL
			Iron	3 / 3	18900	18600	306	19100	15900	19100	95% t-statistic UCL
			Lead	3 / 3	213	161	44.7	161	161	161	Mean
			RBA Adjusted Lead	3 / 3	179	136	37.6	136	136	136	Mean
			Manganese	3 / 3	779	760	30.1	810	677	810	95% t-statistic UCL
			Nickel	3 / 3	19.4	18	1.23	20.1	16.8	20.1	95% t-statistic UCL
			Thallium	3 / 3	0.279	0.251	0.0248	0.292	0.244	0.292	95% t-statistic UCL
			Vanadium	3 / 3	29.7	27.3	2.35	31.2	26.1	31.2	95% t-statistic UCL
117-O1	360	Other -Not Specified	Aluminum	3 / 3	19200	18400	723	19600	16400	19600	95% t-statistic UCL
			Antimony	3 / 3	0.512	0.492	0.02	0.526	0.439	0.526	95% t-statistic UCL
			Arsenic	3 / 3	15.1	14.9	0.153	15.2	12.7	15.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.47	2.44	0.025	2.49	2.08	2.49	95% t-statistic UCL
			Cadmium	3 / 3	0.463	0.445	0.0223	0.483	0.403	0.483	95% t-statistic UCL
			Chromium	3 / 3	42.9	38.5	3.99	45.2	37.8	45.2	95% t-statistic UCL
			Cobalt	3 / 3	12.2	11.8	0.351	12.4	10.4	12.4	95% t-statistic UCL
			Iron	3 / 3	29300	28500	854	29900	25000	29900	95% t-statistic UCL
			Lead	3 / 3	20.6	18.8	1.59	18.8	18.8	18.8	Mean
			RBA Adjusted Lead	3 / 3	17.3	15.8	1.34	15.8	15.8	15.8	Mean
			Manganese	3 / 3	550	534	17.1	563	470	563	95% t-statistic UCL
			Nickel	3 / 3	35.5	32.8	2.43	36.9	30.8	36.9	95% t-statistic UCL
			Thallium	3 / 3	0.129	0.126	0.003	0.131	0.109	0.131	95% t-statistic UCL
			Vanadium	3 / 3	45	43.7	1.25	45.8	38.3	45.8	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
118-G1	361	Garden	Aluminum	1 / 1	17900	17900	N/A	21500	17900	21500	Result*CF
			Antimony	1 / 1	0.643	0.643	N/A	0.772	0.644	0.772	Result*CF
			Arsenic	1 / 1	5.43	5.43	N/A	6.52	5.44	6.52	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.889	0.889	N/A	1.07	0.891	1.07	Result*CF
			Cadmium	1 / 1	0.959	0.959	N/A	1.15	0.961	1.15	Result*CF
			Chromium	1 / 1	17.4	17.4	N/A	20.9	17.4	20.9	Result*CF
			Cobalt	1 / 1	6.01	6.01	N/A	7.21	6.02	7.21	Result*CF
			Iron	1 / 1	16900	16900	N/A	20300	16900	20300	Result*CF
			Lead	1 / 1	31.3	31.3	N/A	31.3	31.3	31.3	Mean
			RBA Adjusted Lead	1 / 1	26.3	26.3	N/A	26.3	26.3	26.3	Mean
			Manganese	1 / 1	529	529	N/A	635	530	635	Result*CF
			Nickel	1 / 1	15.4	15.4	N/A	18.5	15.4	18.5	Result*CF
			Thallium	1 / 1	0.145	0.145	N/A	0.174	0.145	0.174	Result*CF
			Vanadium	1 / 1	23.5	23.5	N/A	28.2	23.5	28.2	Result*CF
118-G2	362	Garden	Aluminum	3 / 3	16300	15900	321	16500	13800	16500	95% t-statistic UCL
			Antimony	3 / 3	0.565	0.545	0.0241	0.585	0.489	0.585	95% t-statistic UCL
			Arsenic	3 / 3	4.63	4.48	0.15	4.73	3.95	4.73	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.758	0.733	0.0246	0.775	0.647	0.775	95% t-statistic UCL
			Cadmium	3 / 3	0.777	0.758	0.02	0.791	0.661	0.791	95% t-statistic UCL
			Chromium	3 / 3	16.3	15.8	0.681	16.9	14.1	16.9	95% t-statistic UCL
			Cobalt	3 / 3	5.65	5.43	0.285	5.91	4.94	5.91	95% t-statistic UCL
			Iron	3 / 3	16100	15800	300	16300	13600	16300	95% t-statistic UCL
			Lead	3 / 3	26.4	26	0.451	26	26	26	Mean
			RBA Adjusted Lead	3 / 3	22.2	21.8	0.379	21.8	21.8	21.8	Mean
			Manganese	3 / 3	479	461	17.5	491	410	491	95% t-statistic UCL
			Nickel	3 / 3	14.5	14	0.611	15	12.5	15	95% t-statistic UCL
			Thallium	3 / 3	0.129	0.124	0.005	0.132	0.111	0.132	95% t-statistic UCL
			Vanadium	3 / 3	22.6	21.5	1.21	23.5	19.7	23.5	95% t-statistic UCL
118-H1	363	House	Aluminum	1 / 1	14300	14300	N/A	17200	14300	17200	Result*CF
			Antimony	1 / 1	0.438	0.438	N/A	0.526	0.439	0.526	Result*CF
			Arsenic	1 / 1	4.23	4.23	N/A	5.08	4.24	5.08	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.692	0.692	N/A	0.831	0.694	0.831	Result*CF
			Cadmium	1 / 1	0.784	0.784	N/A	0.941	0.786	0.941	Result*CF
			Chromium	1 / 1	14.1	14.1	N/A	16.9	14.1	16.9	Result*CF
			Cobalt	1 / 1	4.97	4.97	N/A	5.96	4.98	5.96	Result*CF
			Iron	1 / 1	15800	15800	N/A	19000	15800	19000	Result*CF
			Lead	1 / 1	26	26	N/A	26	26	26	Mean
			RBA Adjusted Lead	1 / 1	21.9	21.9	N/A	21.9	21.9	21.9	Mean
			Manganese	1 / 1	435	435	N/A	522	436	522	Result*CF
			Nickel	1 / 1	11.4	11.4	N/A	13.7	11.4	13.7	Result*CF
			Thallium	1 / 1	0.122	0.122	N/A	0.146	0.122	0.146	Result*CF
			Vanadium	1 / 1	21.7	21.7	N/A	26	21.7	26	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
118-N1	364	Animal Activity Area	Aluminum	1 / 1	12000	12000	N/A	14400	12000	14400	Result*CF
			Antimony	1 / 1	0.789	0.789	N/A	0.947	0.791	0.947	Result*CF
			Arsenic	1 / 1	5.82	5.82	N/A	6.98	5.83	6.98	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.953	0.953	N/A	1.14	0.955	1.14	Result*CF
			Cadmium	1 / 1	1.65	1.65	N/A	1.98	1.65	1.98	Result*CF
			Chromium	1 / 1	12.7	12.7	N/A	15.2	12.7	15.2	Result*CF
			Cobalt	1 / 1	3.91	3.91	N/A	4.69	3.92	4.69	Result*CF
			Iron	1 / 1	13000	13000	N/A	15600	13000	15600	Result*CF
			Lead	1 / 1	56	56	N/A	56	56	56	Mean
			RBA Adjusted Lead	1 / 1	47.1	47.1	N/A	47.1	47.1	47.1	Mean
			Manganese	1 / 1	539	539	N/A	647	540	647	Result*CF
			Nickel	1 / 1	10.5	10.5	N/A	12.6	10.5	12.6	Result*CF
			Thallium	1 / 1	0.136	0.136	N/A	0.163	0.136	0.163	Result*CF
			Vanadium	1 / 1	17.5	17.5	N/A	21	17.5	21	Result*CF
118-N2	365	Animal Activity Area	Aluminum	1 / 1	15500	15500	N/A	18600	15500	18600	Result*CF
			Antimony	1 / 1	1.3	1.3	N/A	1.56	1.3	1.56	Result*CF
			Arsenic	1 / 1	8.92	8.92	N/A	10.7	8.94	10.7	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.46	1.46	N/A	1.75	1.46	1.75	Result*CF
			Cadmium	1 / 1	2.42	2.42	N/A	2.9	2.42	2.9	Result*CF
			Chromium	1 / 1	10.3	10.3	N/A	12.4	10.3	12.4	Result*CF
			Cobalt	1 / 1	3.79	3.79	N/A	4.55	3.8	4.55	Result*CF
			Iron	1 / 1	13400	13400	N/A	16100	13400	16100	Result*CF
			Lead	1 / 1	90.6	90.6	N/A	90.6	90.6	90.6	Mean
			RBA Adjusted Lead	1 / 1	76.2	76.2	N/A	76.2	76.2	76.2	Mean
			Manganese	1 / 1	780	780	N/A	936	782	936	Result*CF
			Nickel	1 / 1	9.36	9.36	N/A	11.2	9.38	11.2	Result*CF
			Thallium	1 / 1	0.149	0.149	N/A	0.179	0.149	0.179	Result*CF
			Vanadium	1 / 1	16	16	N/A	19.2	16	19.2	Result*CF
119-P1	366	Play Area	Aluminum	3 / 3	32600	31800	1000	33500	28000	33500	95% t-statistic UCL
			Antimony	3 / 3	4.72	4.59	0.125	4.8	4.01	4.8	95% t-statistic UCL
			Arsenic	3 / 3	26.1	24.8	1.13	26.7	22.3	26.7	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	7.19	6.84	0.311	7.36	6.15	7.36	95% t-statistic UCL
			Cadmium	3 / 3	7.59	7.25	0.311	7.77	6.49	7.77	95% t-statistic UCL
			Chromium	3 / 3	14.6	14.2	0.513	15	12.6	15	95% t-statistic UCL
			Cobalt	3 / 3	7.12	6.93	0.232	7.32	6.11	7.32	95% t-statistic UCL
			Iron	3 / 3	18700	18500	321	19000	15900	19000	95% t-statistic UCL
			Lead	3 / 3	272	259	11.3	259	259	259	Mean
			RBA Adjusted Lead	3 / 3	290	276	12	276	276	276	Mean
			Manganese	3 / 3	787	776	10	793	662	793	95% t-statistic UCL
			Nickel	3 / 3	14.8	14.4	0.513	15.2	12.7	15.2	95% t-statistic UCL
			Thallium	3 / 3	0.397	0.387	0.014	0.411	0.343	0.411	95% t-statistic UCL
			Vanadium	3 / 3	30.5	29.9	0.814	31.3	26.1	31.3	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
120-A1	367	Agriculture	Aluminum	1 / 1	9520	9520	N/A	11400	9540	11400	Result*CF
			Antimony	1 / 1	0.851	0.851	N/A	1.02	0.853	1.02	Result*CF
			Arsenic	1 / 1	5.39	5.39	N/A	6.47	5.4	6.47	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.49	1.49	N/A	1.78	1.49	1.78	Result*CF
			Cadmium	1 / 1	1.84	1.84	N/A	2.21	1.84	2.21	Result*CF
			Chromium	1 / 1	11.2	11.2	N/A	13.4	11.2	13.4	Result*CF
			Cobalt	1 / 1	5.66	5.66	N/A	6.79	5.67	6.79	Result*CF
			Iron	1 / 1	10800	10800	N/A	13000	10800	13000	Result*CF
			Lead	1 / 1	53.9	53.9	N/A	53.9	53.9	53.9	Mean
			RBA Adjusted Lead	1 / 1	57.4	57.4	N/A	57.4	57.4	57.4	Mean
			Manganese	1 / 1	247	247	N/A	296	247	296	Result*CF
			Nickel	1 / 1	29.1	29.1	N/A	34.9	29.2	34.9	Result*CF
			Thallium	1 / 1	0.114	0.114	N/A	0.137	0.114	0.137	Result*CF
			Vanadium	1 / 1	14.1	14.1	N/A	16.9	14.1	16.9	Result*CF
120-G1	368	Garden	Aluminum	3 / 3	9980	9660	310	10200	8500	10200	95% t-statistic UCL
			Antimony	3 / 3	1.34	1.18	0.139	1.41	1.18	1.41	95% t-statistic UCL
			Arsenic	3 / 3	5.85	5.49	0.321	6.03	5.03	6.03	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.61	1.51	0.0886	1.66	1.39	1.66	95% t-statistic UCL
			Cadmium	3 / 3	3.18	2.41	0.667	3.53	2.95	3.53	95% t-statistic UCL
			Chromium	3 / 3	9.19	8.59	0.539	9.5	7.93	9.5	95% t-statistic UCL
			Cobalt	3 / 3	3.08	2.91	0.175	3.21	2.68	3.21	95% t-statistic UCL
			Iron	3 / 3	8580	8320	410	9020	7530	9020	95% t-statistic UCL
			Lead	3 / 3	58.8	51.7	6.95	51.7	51.7	51.7	Mean
			RBA Adjusted Lead	3 / 3	62.6	55.1	7.41	55.1	55.1	55.1	Mean
			Manganese	3 / 3	278	267	14.4	292	243	292	95% t-statistic UCL
			Nickel	3 / 3	25.9	24.8	1.03	26.5	22.1	26.5	95% t-statistic UCL
			Thallium	3 / 3	0.116	0.108	0.00907	0.123	0.103	0.123	95% t-statistic UCL
			Vanadium	3 / 3	11.2	10.7	0.503	11.6	9.67	11.6	95% t-statistic UCL
120-H1	369	House	Aluminum	1 / 1	8760	8760	N/A	10500	8780	10500	Result*CF
			Antimony	1 / 1	1.27	1.27	N/A	1.52	1.27	1.52	Result*CF
			Arsenic	1 / 1	5.58	5.58	N/A	6.7	5.59	6.7	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.54	1.54	N/A	1.85	1.54	1.85	Result*CF
			Cadmium	1 / 1	2.03	2.03	N/A	2.44	2.03	2.44	Result*CF
			Chromium	1 / 1	11.1	11.1	N/A	13.3	11.1	13.3	Result*CF
			Cobalt	1 / 1	3.73	3.73	N/A	4.48	3.74	4.48	Result*CF
			Iron	1 / 1	9500	9500	N/A	11400	9520	11400	Result*CF
			Lead	1 / 1	54.8	54.8	N/A	54.8	54.8	54.8	Mean
			RBA Adjusted Lead	1 / 1	58.4	58.4	N/A	58.4	58.4	58.4	Mean
			Manganese	1 / 1	232	232	N/A	278	232	278	Result*CF
			Nickel	1 / 1	20.7	20.7	N/A	24.8	20.7	24.8	Result*CF
			Thallium	1 / 1	0.111	0.111	N/A	0.133	0.111	0.133	Result*CF
			Vanadium	1 / 1	12.3	12.3	N/A	14.8	12.3	14.8	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
120-O1	370	Other -Not Specified	Aluminum	1 / 1	11700	11700	N/A	14000	11700	14000	Result*CF
			Antimony	1 / 1	1.53	1.53	N/A	1.84	1.53	1.84	Result*CF
			Arsenic	1 / 1	7.57	7.57	N/A	9.08	7.59	9.08	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.09	2.09	N/A	2.5	2.09	2.5	Result*CF
			Cadmium	1 / 1	2.82	2.82	N/A	3.38	2.83	3.38	Result*CF
			Chromium	1 / 1	10.6	10.6	N/A	12.7	10.6	12.7	Result*CF
			Cobalt	1 / 1	4.05	4.05	N/A	4.86	4.06	4.86	Result*CF
			Iron	1 / 1	10300	10300	N/A	12400	10300	12400	Result*CF
			Lead	1 / 1	87.6	87.6	N/A	87.6	87.6	87.6	Mean
			RBA Adjusted Lead	1 / 1	93.3	93.3	N/A	93.3	93.3	93.3	Mean
			Manganese	1 / 1	273	273	N/A	328	274	328	Result*CF
			Nickel	1 / 1	35	35	N/A	42	35.1	42	Result*CF
			Thallium	1 / 1	0.146	0.146	N/A	0.175	0.146	0.175	Result*CF
			Vanadium	1 / 1	13.3	13.3	N/A	16	13.3	16	Result*CF
121-G1	371	Garden	Aluminum	1 / 1	13500	13500	N/A	16200	13500	16200	Result*CF
			Antimony	1 / 1	0.713	0.713	N/A	0.856	0.714	0.856	Result*CF
			Arsenic	1 / 1	7.53	7.53	N/A	9.04	7.55	9.04	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.23	1.23	N/A	1.48	1.23	1.48	Result*CF
			Cadmium	1 / 1	0.932	0.932	N/A	1.12	0.934	1.12	Result*CF
			Chromium	1 / 1	18.7	18.7	N/A	22.4	18.7	22.4	Result*CF
			Cobalt	1 / 1	5.57	5.57	N/A	6.68	5.58	6.68	Result*CF
			Iron	1 / 1	16600	16600	N/A	19900	16600	19900	Result*CF
			Lead	1 / 1	37	37	N/A	37	37	37	Mean
			RBA Adjusted Lead	1 / 1	31.1	31.1	N/A	31.1	31.1	31.1	Mean
			Manganese	1 / 1	410	410	N/A	492	411	492	Result*CF
			Nickel	1 / 1	16.5	16.5	N/A	19.8	16.5	19.8	Result*CF
			Thallium	1 / 1	0.154	0.154	N/A	0.185	0.154	0.185	Result*CF
			Vanadium	1 / 1	25	25	N/A	30	25.1	30	Result*CF
121-H1	372	House	Aluminum	3 / 3	13500	13000	458	13800	11500	13800	95% t-statistic UCL
			Antimony	3 / 3	1.08	1.02	0.0656	1.13	0.941	1.13	95% t-statistic UCL
			Arsenic	3 / 3	7.99	7.71	0.326	8.26	6.89	8.26	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.31	1.26	0.0534	1.35	1.13	1.35	95% t-statistic UCL
			Cadmium	3 / 3	1.68	1.63	0.0839	1.77	1.48	1.77	95% t-statistic UCL
			Chromium	3 / 3	18.9	17.8	0.945	19.4	16.2	19.4	95% t-statistic UCL
			Cobalt	3 / 3	6.45	6.02	0.395	6.69	5.59	6.69	95% t-statistic UCL
			Iron	3 / 3	17100	16800	265	17200	14400	17200	95% t-statistic UCL
			Lead	3 / 3	55.2	52.4	3.15	52.4	52.4	52.4	Mean
			RBA Adjusted Lead	3 / 3	46.4	44.1	2.65	44.1	44.1	44.1	Mean
			Manganese	3 / 3	530	517	11.4	536	448	536	95% t-statistic UCL
			Nickel	3 / 3	16.8	16	0.755	17.3	14.4	17.3	95% t-statistic UCL
			Thallium	3 / 3	0.195	0.181	0.0132	0.203	0.169	0.203	95% t-statistic UCL
			Vanadium	3 / 3	29.7	28.6	0.954	30.2	25.2	30.2	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
121-N1	373	Animal Activity Area	Aluminum	1 / 1	12000	12000	N/A	14400	12000	14400	Result*CF
			Antimony	1 / 1	0.673	0.673	N/A	0.808	0.674	0.808	Result*CF
			Arsenic	1 / 1	5.82	5.82	N/A	6.98	5.83	6.98	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.953	0.953	N/A	1.14	0.955	1.14	Result*CF
			Cadmium	1 / 1	0.784	0.784	N/A	0.941	0.786	0.941	Result*CF
			Chromium	1 / 1	18.4	18.4	N/A	22.1	18.4	22.1	Result*CF
			Cobalt	1 / 1	5.43	5.43	N/A	6.52	5.44	6.52	Result*CF
			Iron	1 / 1	16400	16400	N/A	19700	16400	19700	Result*CF
			Lead	1 / 1	25.7	25.7	N/A	25.7	25.7	25.7	Mean
			RBA Adjusted Lead	1 / 1	21.6	21.6	N/A	21.6	21.6	21.6	Mean
			Manganese	1 / 1	361	361	N/A	433	362	433	Result*CF
			Nickel	1 / 1	15	15	N/A	18	15	18	Result*CF
			Thallium	1 / 1	0.136	0.136	N/A	0.163	0.136	0.163	Result*CF
			Vanadium	1 / 1	27.2	27.2	N/A	32.6	27.3	32.6	Result*CF
121-N2	374	Animal Activity Area	Aluminum	1 / 1	11900	11900	N/A	14300	11900	14300	Result*CF
			Antimony	1 / 1	0.989	0.989	N/A	1.19	0.991	1.19	Result*CF
			Arsenic	1 / 1	6.44	6.44	N/A	7.73	6.45	7.73	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.05	1.05	N/A	1.26	1.06	1.26	Result*CF
			Cadmium	1 / 1	1.31	1.31	N/A	1.57	1.31	1.57	Result*CF
			Chromium	1 / 1	19	19	N/A	22.8	19	22.8	Result*CF
			Cobalt	1 / 1	5.58	5.58	N/A	6.7	5.59	6.7	Result*CF
			Iron	1 / 1	16800	16800	N/A	20200	16800	20200	Result*CF
			Lead	1 / 1	46.5	46.5	N/A	46.5	46.5	46.5	Mean
			RBA Adjusted Lead	1 / 1	39.1	39.1	N/A	39.1	39.1	39.1	Mean
			Manganese	1 / 1	453	453	N/A	544	454	544	Result*CF
			Nickel	1 / 1	15.5	15.5	N/A	18.6	15.5	18.6	Result*CF
			Thallium	1 / 1	0.168	0.168	N/A	0.202	0.168	0.202	Result*CF
			Vanadium	1 / 1	27.5	27.5	N/A	33	27.6	33	Result*CF
122-G1	375	Garden	Aluminum	1 / 1	9210	9210	N/A	11100	9230	11100	Result*CF
			Antimony	1 / 1	1.18	1.18	N/A	1.42	1.18	1.42	Result*CF
			Arsenic	1 / 1	6.5	6.5	N/A	7.8	6.51	7.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.06	1.06	N/A	1.28	1.07	1.28	Result*CF
			Cadmium	1 / 1	1.8	1.8	N/A	2.16	1.8	2.16	Result*CF
			Chromium	1 / 1	16	16	N/A	19.2	16	19.2	Result*CF
			Cobalt	1 / 1	4.96	4.96	N/A	5.95	4.97	5.95	Result*CF
			Iron	1 / 1	13500	13500	N/A	16200	13500	16200	Result*CF
			Lead	1 / 1	77.7	77.7	N/A	77.7	77.7	77.7	Mean
			RBA Adjusted Lead	1 / 1	65.4	65.4	N/A	65.4	65.4	65.4	Mean
			Manganese	1 / 1	427	427	N/A	512	428	512	Result*CF
			Nickel	1 / 1	11.8	11.8	N/A	14.2	11.8	14.2	Result*CF
			Thallium	1 / 1	0.177	0.177	N/A	0.212	0.177	0.212	Result*CF
			Vanadium	1 / 1	22.4	22.4	N/A	26.9	22.4	26.9	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
122-G2	376	Garden	Aluminum	1 / 1	8670	8670	N/A	10400	8690	10400	Result*CF
			Antimony	1 / 1	0.905	0.905	N/A	1.09	0.907	1.09	Result*CF
			Arsenic	1 / 1	8.55	8.55	N/A	10.3	8.57	10.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.4	1.4	N/A	1.68	1.4	1.68	Result*CF
			Cadmium	1 / 1	1.72	1.72	N/A	2.06	1.72	2.06	Result*CF
			Chromium	1 / 1	15.2	15.2	N/A	18.2	15.2	18.2	Result*CF
			Cobalt	1 / 1	4.57	4.57	N/A	5.48	4.58	5.48	Result*CF
			Iron	1 / 1	13200	13200	N/A	15800	13200	15800	Result*CF
			Lead	1 / 1	69.8	69.8	N/A	69.8	69.8	69.8	Mean
			RBA Adjusted Lead	1 / 1	58.7	58.7	N/A	58.7	58.7	58.7	Mean
			Manganese	1 / 1	382	382	N/A	458	383	458	Result*CF
			Nickel	1 / 1	11.7	11.7	N/A	14	11.7	14	Result*CF
			Thallium	1 / 1	0.147	0.147	N/A	0.176	0.147	0.176	Result*CF
			Vanadium	1 / 1	20.9	20.9	N/A	25.1	20.9	25.1	Result*CF
122-H1	377	House	Aluminum	1 / 1	13300	13300	N/A	16000	13300	16000	Result*CF
			Antimony	1 / 1	1.28	1.28	N/A	1.54	1.28	1.54	Result*CF
			Arsenic	1 / 1	7.38	7.38	N/A	8.86	7.39	8.86	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.21	1.21	N/A	1.45	1.21	1.45	Result*CF
			Cadmium	1 / 1	3.33	3.33	N/A	4	3.34	4	Result*CF
			Chromium	1 / 1	17.1	17.1	N/A	20.5	17.1	20.5	Result*CF
			Cobalt	1 / 1	5.94	5.94	N/A	7.13	5.95	7.13	Result*CF
			Iron	1 / 1	17700	17700	N/A	21200	17700	21200	Result*CF
			Lead	1 / 1	136	136	N/A	136	136	136	Mean
			RBA Adjusted Lead	1 / 1	114	114	N/A	114	114	114	Mean
			Manganese	1 / 1	565	565	N/A	678	566	678	Result*CF
			Nickel	1 / 1	13.4	13.4	N/A	16.1	13.4	16.1	Result*CF
			Thallium	1 / 1	0.228	0.228	N/A	0.274	0.228	0.274	Result*CF
			Vanadium	1 / 1	26.4	26.4	N/A	31.7	26.5	31.7	Result*CF
122-H2	378	House	Aluminum	1 / 1	10600	10600	N/A	12700	10600	12700	Result*CF
			Antimony	1 / 1	0.98	0.98	N/A	1.18	0.982	1.18	Result*CF
			Arsenic	1 / 1	5.79	5.79	N/A	6.95	5.8	6.95	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.948	0.948	N/A	1.14	0.95	1.14	Result*CF
			Cadmium	1 / 1	1.9	1.9	N/A	2.28	1.9	2.28	Result*CF
			Chromium	1 / 1	14.3	14.3	N/A	17.2	14.3	17.2	Result*CF
			Cobalt	1 / 1	4.76	4.76	N/A	5.71	4.77	5.71	Result*CF
			Iron	1 / 1	14900	14900	N/A	17900	14900	17900	Result*CF
			Lead	1 / 1	79	79	N/A	79	79	79	Mean
			RBA Adjusted Lead	1 / 1	66.5	66.5	N/A	66.5	66.5	66.5	Mean
			Manganese	1 / 1	439	439	N/A	527	440	527	Result*CF
			Nickel	1 / 1	11.4	11.4	N/A	13.7	11.4	13.7	Result*CF
			Thallium	1 / 1	0.158	0.158	N/A	0.19	0.158	0.19	Result*CF
			Vanadium	1 / 1	20.4	20.4	N/A	24.5	20.4	24.5	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
122-O1	379	Other -Not Specified	Aluminum	3 / 3	12100	11800	265	12200	10200	12200	95% t-statistic UCL
			Antimony	3 / 3	2.12	2.09	0.0379	2.16	1.8	2.16	95% t-statistic UCL
			Arsenic	3 / 3	11.8	11.4	0.473	12.2	10.2	12.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.93	1.87	0.0774	2	1.67	2	95% t-statistic UCL
			Cadmium	3 / 3	5.21	5.16	0.0781	5.29	4.42	5.29	95% t-statistic UCL
			Chromium	3 / 3	20	19.4	0.529	20.3	16.9	20.3	95% t-statistic UCL
			Cobalt	3 / 3	6.47	6.38	0.103	6.56	5.47	6.56	95% t-statistic UCL
			Iron	3 / 3	19700	19300	379	19900	16600	19900	95% t-statistic UCL
			Lead	3 / 3	201	199	2.65	199	199	199	Mean
			RBA Adjusted Lead	3 / 3	169	167	2.23	167	167	167	Mean
			Manganese	3 / 3	732	705	23.4	745	622	745	95% t-statistic UCL
			Nickel	3 / 3	14.2	13.9	0.306	14.4	12	14.4	95% t-statistic UCL
			Thallium	3 / 3	0.266	0.265	0.00231	0.269	0.224	0.269	95% t-statistic UCL
			Vanadium	3 / 3	31.9	31.2	0.586	32.2	26.9	32.2	95% t-statistic UCL
122-O2	380	Other -Not Specified	Aluminum	1 / 1	12600	12600	N/A	15100	12600	15100	Result*CF
			Antimony	1 / 1	3.02	3.02	N/A	3.62	3.03	3.62	Result*CF
			Arsenic	1 / 1	15.5	15.5	N/A	18.6	15.5	18.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.54	2.54	N/A	3.04	2.54	3.04	Result*CF
			Cadmium	1 / 1	6.71	6.71	N/A	8.05	6.72	8.05	Result*CF
			Chromium	1 / 1	16.2	16.2	N/A	19.4	16.2	19.4	Result*CF
			Cobalt	1 / 1	5.5	5.5	N/A	6.6	5.51	6.6	Result*CF
			Iron	1 / 1	16400	16400	N/A	19700	16400	19700	Result*CF
			Lead	1 / 1	291	291	N/A	291	291	291	Mean
			RBA Adjusted Lead	1 / 1	245	245	N/A	245	245	245	Mean
			Manganese	1 / 1	583	583	N/A	700	584	700	Result*CF
			Nickel	1 / 1	13	13	N/A	15.6	13	15.6	Result*CF
			Thallium	1 / 1	0.334	0.334	N/A	0.401	0.335	0.401	Result*CF
			Vanadium	1 / 1	25.3	25.3	N/A	30.4	25.4	30.4	Result*CF
122-P1	381	Play Area	Aluminum	1 / 1	15600	15600	N/A	18700	15600	18700	Result*CF
			Antimony	1 / 1	3.87	3.87	N/A	4.64	3.88	4.64	Result*CF
			Arsenic	1 / 1	15.4	15.4	N/A	18.5	15.4	18.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.15	2.15	N/A	2.58	2.16	2.58	Result*CF
			Cadmium	1 / 1	8.27	8.27	N/A	9.92	8.29	9.92	Result*CF
			Chromium	1 / 1	16.1	16.1	N/A	19.3	16.1	19.3	Result*CF
			Cobalt	1 / 1	5.85	5.85	N/A	7.02	5.86	7.02	Result*CF
			Iron	1 / 1	16700	16700	N/A	20000	16700	20000	Result*CF
			Lead	1 / 1	371	371	N/A	371	371	371	Mean
			RBA Adjusted Lead	1 / 1	321	321	N/A	321	321	321	Mean
			Manganese	1 / 1	667	667	N/A	800	668	800	Result*CF
			Nickel	1 / 1	13.1	13.1	N/A	15.7	13.1	15.7	Result*CF
			Thallium	1 / 1	0.369	0.369	N/A	0.443	0.37	0.443	Result*CF
			Vanadium	1 / 1	24.4	24.4	N/A	29.3	24.4	29.3	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
123-G1	382	Garden	Aluminum	1 / 1	24700	24700	N/A	29600	24700	29600	Result*CF
			Antimony	1 / 1	1.43	1.43	N/A	1.72	1.43	1.72	Result*CF
			Arsenic	1 / 1	14.4	14.4	N/A	17.3	14.4	17.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.36	2.36	N/A	2.83	2.36	2.83	Result*CF
			Cadmium	1 / 1	2.91	2.91	N/A	3.49	2.92	3.49	Result*CF
			Chromium	1 / 1	19.8	19.8	N/A	23.8	19.8	23.8	Result*CF
			Cobalt	1 / 1	8.07	8.07	N/A	9.68	8.09	9.68	Result*CF
			Iron	1 / 1	19500	19500	N/A	23400	19500	23400	Result*CF
			Lead	1 / 1	96.1	96.1	N/A	96.1	96.1	96.1	Mean
			RBA Adjusted Lead	1 / 1	80.9	80.9	N/A	80.9	80.9	80.9	Mean
			Manganese	1 / 1	705	705	N/A	846	706	846	Result*CF
			Nickel	1 / 1	19.5	19.5	N/A	23.4	19.5	23.4	Result*CF
			Thallium	1 / 1	0.19	0.19	N/A	0.228	0.19	0.228	Result*CF
			Vanadium	1 / 1	31.9	31.9	N/A	38.3	32	38.3	Result*CF
123-G2	383	Garden	Aluminum	3 / 3	23600	23200	400	23900	19900	23900	95% t-statistic UCL
			Antimony	3 / 3	1.72	1.7	0.02	1.73	1.45	1.73	95% t-statistic UCL
			Arsenic	3 / 3	16.8	16.6	0.208	17	14.2	17	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.75	2.72	0.0341	2.78	2.32	2.78	95% t-statistic UCL
			Cadmium	3 / 3	3.37	3.26	0.14	3.49	2.92	3.49	95% t-statistic UCL
			Chromium	3 / 3	22.9	22.3	0.529	23.2	19.4	23.2	95% t-statistic UCL
			Cobalt	3 / 3	8.83	8.56	0.234	8.96	7.48	8.96	95% t-statistic UCL
			Iron	3 / 3	20600	20300	351	20900	17400	20900	95% t-statistic UCL
			Lead	3 / 3	118	111	9.45	111	111	111	Mean
			RBA Adjusted Lead	3 / 3	99.3	93.1	7.95	93.1	93.1	93.1	Mean
			Manganese	3 / 3	784	770	13.5	793	662	793	95% t-statistic UCL
			Nickel	3 / 3	23.6	23.3	0.289	23.8	19.8	23.8	95% t-statistic UCL
			Thallium	3 / 3	0.198	0.194	0.00513	0.202	0.169	0.202	95% t-statistic UCL
			Vanadium	3 / 3	34.2	33	1.08	34.8	29.1	34.8	95% t-statistic UCL
123-H1	384	House	Aluminum	1 / 1	21600	21600	N/A	25900	21600	25900	Result*CF
			Antimony	1 / 1	1.32	1.32	N/A	1.58	1.32	1.58	Result*CF
			Arsenic	1 / 1	12.8	12.8	N/A	15.4	12.8	15.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.1	2.1	N/A	2.51	2.1	2.51	Result*CF
			Cadmium	1 / 1	2.4	2.4	N/A	2.88	2.4	2.88	Result*CF
			Chromium	1 / 1	20.1	20.1	N/A	24.1	20.1	24.1	Result*CF
			Cobalt	1 / 1	7.67	7.67	N/A	9.2	7.69	9.2	Result*CF
			Iron	1 / 1	20100	20100	N/A	24100	20100	24100	Result*CF
			Lead	1 / 1	86.1	86.1	N/A	86.1	86.1	86.1	Mean
			RBA Adjusted Lead	1 / 1	72.4	72.4	N/A	72.4	72.4	72.4	Mean
			Manganese	1 / 1	731	731	N/A	877	732	877	Result*CF
			Nickel	1 / 1	21.8	21.8	N/A	26.2	21.8	26.2	Result*CF
			Thallium	1 / 1	0.179	0.179	N/A	0.215	0.179	0.215	Result*CF
			Vanadium	1 / 1	31.5	31.5	N/A	37.8	31.6	37.8	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
123-O1	385	Other -Not Specified	Aluminum	1 / 1	23900	23900	N/A	28700	23900	28700	Result*CF
			Antimony	1 / 1	1.07	1.07	N/A	1.28	1.07	1.28	Result*CF
			Arsenic	1 / 1	11.3	11.3	N/A	13.6	11.3	13.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.85	1.85	N/A	2.22	1.85	2.22	Result*CF
			Cadmium	1 / 1	3.04	3.04	N/A	3.65	3.05	3.65	Result*CF
			Chromium	1 / 1	20	20	N/A	24	20	24	Result*CF
			Cobalt	1 / 1	8.05	8.05	N/A	9.66	8.07	9.66	Result*CF
			Iron	1 / 1	20400	20400	N/A	24500	20400	24500	Result*CF
			Lead	1 / 1	120	120	N/A	120	120	120	Mean
			RBA Adjusted Lead	1 / 1	101	101	N/A	101	101	101	Mean
			Manganese	1 / 1	745	745	N/A	894	746	894	Result*CF
			Nickel	1 / 1	20.2	20.2	N/A	24.2	20.2	24.2	Result*CF
			Thallium	1 / 1	0.205	0.205	N/A	0.246	0.205	0.246	Result*CF
			Vanadium	1 / 1	32.1	32.1	N/A	38.5	32.2	38.5	Result*CF
123-O2	386	Other -Not Specified	Aluminum	1 / 1	19100	19100	N/A	22900	19100	22900	Result*CF
			Antimony	1 / 1	3.79	3.79	N/A	4.55	3.8	4.55	Result*CF
			Arsenic	1 / 1	18.9	18.9	N/A	22.7	18.9	22.7	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.09	3.09	N/A	3.71	3.1	3.71	Result*CF
			Cadmium	1 / 1	6.96	6.96	N/A	8.35	6.97	8.35	Result*CF
			Chromium	1 / 1	20.9	20.9	N/A	25.1	20.9	25.1	Result*CF
			Cobalt	1 / 1	7.92	7.92	N/A	9.5	7.94	9.5	Result*CF
			Iron	1 / 1	19300	19300	N/A	23200	19300	23200	Result*CF
			Lead	1 / 1	262	262	N/A	262	262	262	Mean
			RBA Adjusted Lead	1 / 1	220	220	N/A	220	220	220	Mean
			Manganese	1 / 1	799	799	N/A	959	801	959	Result*CF
			Nickel	1 / 1	21.3	21.3	N/A	25.6	21.3	25.6	Result*CF
			Thallium	1 / 1	0.269	0.269	N/A	0.323	0.27	0.323	Result*CF
			Vanadium	1 / 1	31.2	31.2	N/A	37.4	31.3	37.4	Result*CF
124-G1	388	Garden	Aluminum	1 / 1	10500	10500	N/A	12600	10500	12600	Result*CF
			Antimony	1 / 1	0.578	0.578	N/A	0.694	0.579	0.694	Result*CF
			Arsenic	1 / 1	5.67	5.67	N/A	6.8	5.68	6.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.928	0.928	N/A	1.11	0.93	1.11	Result*CF
			Cadmium	1 / 1	1.4	1.4	N/A	1.68	1.4	1.68	Result*CF
			Chromium	1 / 1	24.9	24.9	N/A	29.9	24.9	29.9	Result*CF
			Cobalt	1 / 1	7.08	7.08	N/A	8.5	7.09	8.5	Result*CF
			Iron	1 / 1	18200	18200	N/A	21800	18200	21800	Result*CF
			Lead	1 / 1	33.3	33.3	N/A	33.3	33.3	33.3	Mean
			RBA Adjusted Lead	1 / 1	28	28	N/A	28	28	28	Mean
			Manganese	1 / 1	313	313	N/A	376	314	376	Result*CF
			Nickel	1 / 1	21.5	21.5	N/A	25.8	21.5	25.8	Result*CF
			Thallium	1 / 1	0.177	0.177	N/A	0.212	0.177	0.212	Result*CF
			Vanadium	1 / 1	35.1	35.1	N/A	42.1	35.2	42.1	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
124-G2	389	Garden	Aluminum	3 / 3	19400	19000	451	19700	16500	19700	95% t-statistic UCL
			Antimony	3 / 3	1.74	1.41	0.335	1.97	1.65	1.97	95% t-statistic UCL
			Arsenic	3 / 3	15.5	13.1	2.5	17.3	14.4	17.3	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.54	2.14	0.41	2.83	2.36	2.83	95% t-statistic UCL
			Cadmium	3 / 3	3.7	3.2	0.609	4.22	3.53	4.22	95% t-statistic UCL
			Chromium	3 / 3	59.6	50.1	11.1	68.9	57.5	68.9	95% t-statistic UCL
			Cobalt	3 / 3	15	13	2.55	17.3	14.4	17.3	95% t-statistic UCL
			Iron	3 / 3	29000	28600	473	29400	24600	29400	95% t-statistic UCL
			Lead	3 / 3	107	91.1	17.3	91.1	91.1	91.1	Mean
			RBA Adjusted Lead	3 / 3	90	76.6	14.6	76.6	76.6	76.6	Mean
			Manganese	3 / 3	651	641	16.2	668	558	668	95% t-statistic UCL
			Nickel	3 / 3	44.8	38.6	7.69	51.6	43.1	51.6	95% t-statistic UCL
			Thallium	3 / 3	0.317	0.265	0.0564	0.36	0.301	0.36	95% t-statistic UCL
			Vanadium	3 / 3	61.4	51.8	11.4	71	59.3	71	95% t-statistic UCL
124-H1	390	House	Aluminum	1 / 1	17200	17200	N/A	20600	17200	20600	Result*CF
			Antimony	1 / 1	0.761	0.761	N/A	0.913	0.763	0.913	Result*CF
			Arsenic	1 / 1	11.7	11.7	N/A	14	11.7	14	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.92	1.92	N/A	2.3	1.92	2.3	Result*CF
			Cadmium	1 / 1	1.78	1.78	N/A	2.14	1.78	2.14	Result*CF
			Chromium	1 / 1	45.3	45.3	N/A	54.4	45.4	54.4	Result*CF
			Cobalt	1 / 1	12.1	12.1	N/A	14.5	12.1	14.5	Result*CF
			Iron	1 / 1	28000	28000	N/A	33600	28100	33600	Result*CF
			Lead	1 / 1	41.7	41.7	N/A	41.7	41.7	41.7	Mean
			RBA Adjusted Lead	1 / 1	35.1	35.1	N/A	35.1	35.1	35.1	Mean
			Manganese	1 / 1	583	583	N/A	700	584	700	Result*CF
			Nickel	1 / 1	36.2	36.2	N/A	43.4	36.3	43.4	Result*CF
			Thallium	1 / 1	0.215	0.215	N/A	0.258	0.215	0.258	Result*CF
			Vanadium	1 / 1	54.7	54.7	N/A	65.6	54.8	65.6	Result*CF
124-N1	391	Animal Activity Area	Aluminum	1 / 1	7330	7330	N/A	8800	7340	8800	Result*CF
			Antimony	1 / 1	0.53	0.53	N/A	0.636	0.531	0.636	Result*CF
			Arsenic	1 / 1	6.21	6.21	N/A	7.45	6.22	7.45	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.02	1.02	N/A	1.22	1.02	1.22	Result*CF
			Cadmium	1 / 1	1.18	1.18	N/A	1.42	1.18	1.42	Result*CF
			Chromium	1 / 1	24.6	24.6	N/A	29.5	24.6	29.5	Result*CF
			Cobalt	1 / 1	6.25	6.25	N/A	7.5	6.26	7.5	Result*CF
			Iron	1 / 1	13400	13400	N/A	16100	13400	16100	Result*CF
			Lead	1 / 1	32.8	32.8	N/A	32.8	32.8	32.8	Mean
			RBA Adjusted Lead	1 / 1	27.6	27.6	N/A	27.6	27.6	27.6	Mean
			Manganese	1 / 1	254	254	N/A	305	255	305	Result*CF
			Nickel	1 / 1	26.6	26.6	N/A	31.9	26.7	31.9	Result*CF
			Thallium	1 / 1	0.147	0.147	N/A	0.176	0.147	0.176	Result*CF
			Vanadium	1 / 1	26.3	26.3	N/A	31.6	26.4	31.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
124-N2	392	Animal Activity Area	Aluminum	1 / 1	9310	9310	N/A	11200	9330	11200	Result*CF
			Antimony	1 / 1	0.154	0.154	N/A	0.185	0.154	0.185	Result*CF
			Arsenic	1 / 1	3.77	3.77	N/A	4.52	3.78	4.52	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.617	0.617	N/A	0.74	0.618	0.74	Result*CF
			Cadmium	1 / 1	0.269	0.269	N/A	0.323	0.27	0.323	Result*CF
			Chromium	1 / 1	18.3	18.3	N/A	22	18.3	22	Result*CF
			Cobalt	1 / 1	5.73	5.73	N/A	6.88	5.74	6.88	Result*CF
			Iron	1 / 1	18400	18400	N/A	22100	18400	22100	Result*CF
			Lead	1 / 1	10.1	10.1	N/A	10.1	10.1	10.1	Mean
			RBA Adjusted Lead	1 / 1	8.5	8.5	N/A	8.5	8.5	8.5	Mean
			Manganese	1 / 1	301	301	N/A	361	302	361	Result*CF
			Nickel	1 / 1	14.8	14.8	N/A	17.8	14.8	17.8	Result*CF
			Thallium	1 / 1	0.109	0.109	N/A	0.131	0.109	0.131	Result*CF
			Vanadium	1 / 1	28.4	28.4	N/A	34.1	28.5	34.1	Result*CF
124-O1	393	Other -Not Specified	Aluminum	1 / 1	18100	18100	N/A	21700	18100	21700	Result*CF
			Antimony	1 / 1	1.36	1.36	N/A	1.63	1.36	1.63	Result*CF
			Arsenic	1 / 1	12.8	12.8	N/A	15.4	12.8	15.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.1	2.1	N/A	2.51	2.1	2.51	Result*CF
			Cadmium	1 / 1	3.4	3.4	N/A	4.08	3.41	4.08	Result*CF
			Chromium	1 / 1	49.8	49.8	N/A	59.8	49.9	59.8	Result*CF
			Cobalt	1 / 1	13.3	13.3	N/A	16	13.3	16	Result*CF
			Iron	1 / 1	27700	27700	N/A	33200	27800	33200	Result*CF
			Lead	1 / 1	91	91	N/A	91	91	91	Mean
			RBA Adjusted Lead	1 / 1	76.6	76.6	N/A	76.6	76.6	76.6	Mean
			Manganese	1 / 1	625	625	N/A	750	626	750	Result*CF
			Nickel	1 / 1	40.5	40.5	N/A	48.6	40.6	48.6	Result*CF
			Thallium	1 / 1	0.269	0.269	N/A	0.323	0.27	0.323	Result*CF
			Vanadium	1 / 1	53.4	53.4	N/A	64.1	53.5	64.1	Result*CF
125-O1	394	Other -Not Specified	Aluminum	3 / 3	12500	11700	1270	13800	11500	13800	95% t-statistic UCL
			Antimony	3 / 3	1.26	1.14	0.108	1.32	1.1	1.32	95% t-statistic UCL
			Arsenic	3 / 3	10.6	9.74	0.752	11	9.19	11	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.73	1.59	0.123	1.8	1.5	1.8	95% t-statistic UCL
			Cadmium	3 / 3	2.47	2.25	0.191	2.57	2.15	2.57	95% t-statistic UCL
			Chromium	3 / 3	33.9	31.2	2.36	35.2	29.4	35.2	95% t-statistic UCL
			Cobalt	3 / 3	8.84	8.25	0.509	9.11	7.61	9.11	95% t-statistic UCL
			Iron	3 / 3	18600	18100	700	19300	16100	19300	95% t-statistic UCL
			Lead	3 / 3	93.7	83.2	9.11	83.2	83.2	83.2	Mean
			RBA Adjusted Lead	3 / 3	78.8	70	7.66	70	70	70	Mean
			Manganese	3 / 3	390	382	12.7	403	337	403	95% t-statistic UCL
			Nickel	3 / 3	24.3	22.6	1.5	25.2	21	25.2	95% t-statistic UCL
			Thallium	3 / 3	0.227	0.212	0.0133	0.234	0.195	0.234	95% t-statistic UCL
			Vanadium	3 / 3	40	38.5	1.37	40.8	34.1	40.8	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
126-A1	395	Agriculture	Aluminum	1 / 1	9550	9550	N/A	11500	9570	11500	Result*CF
			Antimony	1 / 1	0.895	0.895	N/A	1.07	0.897	1.07	Result*CF
			Arsenic	1 / 1	6.99	6.99	N/A	8.39	7	8.39	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.14	1.14	N/A	1.37	1.15	1.37	Result*CF
			Cadmium	1 / 1	1.79	1.79	N/A	2.15	1.79	2.15	Result*CF
			Chromium	1 / 1	12.2	12.2	N/A	14.6	12.2	14.6	Result*CF
			Cobalt	1 / 1	3.49	3.49	N/A	4.19	3.5	4.19	Result*CF
			Iron	1 / 1	12700	12700	N/A	15200	12700	15200	Result*CF
			Lead	1 / 1	77	77	N/A	77	77	77	Mean
			RBA Adjusted Lead	1 / 1	64.8	64.8	N/A	64.8	64.8	64.8	Mean
			Manganese	1 / 1	321	321	N/A	385	322	385	Result*CF
			Nickel	1 / 1	9.15	9.15	N/A	11	9.17	11	Result*CF
			Thallium	1 / 1	0.141	0.141	N/A	0.169	0.141	0.169	Result*CF
			Vanadium	1 / 1	20.3	20.3	N/A	24.4	20.3	24.4	Result*CF
126-G1	396	Garden	Aluminum	1 / 1	10300	10300	N/A	12400	10300	12400	Result*CF
			Antimony	1 / 1	0.759	0.759	N/A	0.911	0.761	0.911	Result*CF
			Arsenic	1 / 1	8.53	8.53	N/A	10.2	8.55	10.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.4	1.4	N/A	1.68	1.4	1.68	Result*CF
			Cadmium	1 / 1	1.03	1.03	N/A	1.24	1.03	1.24	Result*CF
			Chromium	1 / 1	18.9	18.9	N/A	22.7	18.9	22.7	Result*CF
			Cobalt	1 / 1	5	5	N/A	6	5.01	6	Result*CF
			Iron	1 / 1	15600	15600	N/A	18700	15600	18700	Result*CF
			Lead	1 / 1	58.3	58.3	N/A	58.3	58.3	58.3	Mean
			RBA Adjusted Lead	1 / 1	49	49	N/A	49	49	49	Mean
			Manganese	1 / 1	353	353	N/A	424	354	424	Result*CF
			Nickel	1 / 1	13.1	13.1	N/A	15.7	13.1	15.7	Result*CF
			Thallium	1 / 1	0.165	0.165	N/A	0.198	0.165	0.198	Result*CF
			Vanadium	1 / 1	24.8	24.8	N/A	29.8	24.8	29.8	Result*CF
126-G2	397	Garden	Aluminum	1 / 1	11500	11500	N/A	13800	11500	13800	Result*CF
			Antimony	1 / 1	0.826	0.826	N/A	0.991	0.828	0.991	Result*CF
			Arsenic	1 / 1	6.81	6.81	N/A	8.17	6.82	8.17	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.11	1.11	N/A	1.34	1.12	1.34	Result*CF
			Cadmium	1 / 1	1.59	1.59	N/A	1.91	1.59	1.91	Result*CF
			Chromium	1 / 1	13.6	13.6	N/A	16.3	13.6	16.3	Result*CF
			Cobalt	1 / 1	4.31	4.31	N/A	5.17	4.32	5.17	Result*CF
			Iron	1 / 1	13200	13200	N/A	15800	13200	15800	Result*CF
			Lead	1 / 1	50.1	50.1	N/A	50.1	50.1	50.1	Mean
			RBA Adjusted Lead	1 / 1	42.2	42.2	N/A	42.2	42.2	42.2	Mean
			Manganese	1 / 1	361	361	N/A	433	362	433	Result*CF
			Nickel	1 / 1	11.2	11.2	N/A	13.4	11.2	13.4	Result*CF
			Thallium	1 / 1	0.126	0.126	N/A	0.151	0.126	0.151	Result*CF
			Vanadium	1 / 1	23.8	23.8	N/A	28.6	23.8	28.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
126-H1	398	House	Aluminum	1 / 1	8590	8590	N/A	10300	8610	10300	Result*CF
			Antimony	1 / 1	0.384	0.384	N/A	0.461	0.385	0.461	Result*CF
			Arsenic	1 / 1	4.13	4.13	N/A	4.96	4.14	4.96	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.676	0.676	N/A	0.811	0.677	0.811	Result*CF
			Cadmium	1 / 1	0.851	0.851	N/A	1.02	0.853	1.02	Result*CF
			Chromium	1 / 1	11.1	11.1	N/A	13.3	11.1	13.3	Result*CF
			Cobalt	1 / 1	3.27	3.27	N/A	3.92	3.28	3.92	Result*CF
			Iron	1 / 1	11000	11000	N/A	13200	11000	13200	Result*CF
			Lead	1 / 1	26.2	26.2	N/A	26.2	26.2	26.2	Mean
			RBA Adjusted Lead	1 / 1	22	22	N/A	22	22	22	Mean
			Manganese	1 / 1	238	238	N/A	286	238	286	Result*CF
			Nickel	1 / 1	8.33	8.33	N/A	10	8.35	10	Result*CF
			Thallium	1 / 1	0.096	0.096	N/A	0.115	0.0962	0.115	Result*CF
			Vanadium	1 / 1	18.1	18.1	N/A	21.7	18.1	21.7	Result*CF
126-O1	399	Other -Not Specified	Aluminum	1 / 1	9980	9980	N/A	12000	10000	12000	Result*CF
			Antimony	1 / 1	0.7	0.7	N/A	0.84	0.701	0.84	Result*CF
			Arsenic	1 / 1	6.17	6.17	N/A	7.4	6.18	7.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.01	1.01	N/A	1.21	1.01	1.21	Result*CF
			Cadmium	1 / 1	1.37	1.37	N/A	1.64	1.37	1.64	Result*CF
			Chromium	1 / 1	12.2	12.2	N/A	14.6	12.2	14.6	Result*CF
			Cobalt	1 / 1	3.74	3.74	N/A	4.49	3.75	4.49	Result*CF
			Iron	1 / 1	12500	12500	N/A	15000	12500	15000	Result*CF
			Lead	1 / 1	58	58	N/A	58	58	58	Mean
			RBA Adjusted Lead	1 / 1	48.8	48.8	N/A	48.8	48.8	48.8	Mean
			Manganese	1 / 1	315	315	N/A	378	316	378	Result*CF
			Nickel	1 / 1	9.73	9.73	N/A	11.7	9.75	11.7	Result*CF
			Thallium	1 / 1	0.136	0.136	N/A	0.163	0.136	0.163	Result*CF
			Vanadium	1 / 1	20.5	20.5	N/A	24.6	20.5	24.6	Result*CF
126-O2	400	Other -Not Specified	Aluminum	1 / 1	8110	8110	N/A	9730	8130	9730	Result*CF
			Antimony	1 / 1	0.597	0.597	N/A	0.716	0.598	0.716	Result*CF
			Arsenic	1 / 1	5.11	5.11	N/A	6.13	5.12	6.13	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.836	0.836	N/A	1	0.838	1	Result*CF
			Cadmium	1 / 1	0.835	0.835	N/A	1	0.837	1	Result*CF
			Chromium	1 / 1	12.9	12.9	N/A	15.5	12.9	15.5	Result*CF
			Cobalt	1 / 1	3.53	3.53	N/A	4.24	3.54	4.24	Result*CF
			Iron	1 / 1	12700	12700	N/A	15200	12700	15200	Result*CF
			Lead	1 / 1	30.2	30.2	N/A	30.2	30.2	30.2	Mean
			RBA Adjusted Lead	1 / 1	25.4	25.4	N/A	25.4	25.4	25.4	Mean
			Manganese	1 / 1	244	244	N/A	293	244	293	Result*CF
			Nickel	1 / 1	8.64	8.64	N/A	10.4	8.66	10.4	Result*CF
			Thallium	1 / 1	0.099	0.099	N/A	0.119	0.0992	0.119	Result*CF
			Vanadium	1 / 1	20.2	20.2	N/A	24.2	20.2	24.2	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
126-O3	401	Other -Not Specified	Aluminum	1 / 1	9030	9030	N/A	10800	9050	10800	Result*CF
			Antimony	1 / 1	0.745	0.745	N/A	0.894	0.746	0.894	Result*CF
			Arsenic	1 / 1	6.71	6.71	N/A	8.05	6.72	8.05	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.1	1.1	N/A	1.32	1.1	1.32	Result*CF
			Cadmium	1 / 1	1.29	1.29	N/A	1.55	1.29	1.55	Result*CF
			Chromium	1 / 1	18.2	18.2	N/A	21.8	18.2	21.8	Result*CF
			Cobalt	1 / 1	5.19	5.19	N/A	6.23	5.2	6.23	Result*CF
			Iron	1 / 1	15500	15500	N/A	18600	15500	18600	Result*CF
			Lead	1 / 1	59.4	59.4	N/A	59.4	59.4	59.4	Mean
			RBA Adjusted Lead	1 / 1	50	50	N/A	50	50	50	Mean
			Manganese	1 / 1	378	378	N/A	454	379	454	Result*CF
			Nickel	1 / 1	13	13	N/A	15.6	13	15.6	Result*CF
			Thallium	1 / 1	0.185	0.185	N/A	0.222	0.185	0.222	Result*CF
			Vanadium	1 / 1	25.5	25.5	N/A	30.6	25.6	30.6	Result*CF
126-P1	402	Play Area	Aluminum	3 / 3	6510	6480	30	6530	5450	6530	95% t-statistic UCL
			Antimony	3 / 3	0.648	0.539	0.0949	0.699	0.583	0.699	95% t-statistic UCL
			Arsenic	3 / 3	5.89	4.64	1.11	6.5	5.43	6.5	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.964	0.759	0.181	1.06	0.889	1.06	95% t-statistic UCL
			Cadmium	3 / 3	0.904	0.851	0.0463	0.929	0.776	0.929	95% t-statistic UCL
			Chromium	3 / 3	14.7	13.3	1.23	15.4	12.8	15.4	95% t-statistic UCL
			Cobalt	3 / 3	3.79	3.49	0.263	3.93	3.28	3.93	95% t-statistic UCL
			Iron	3 / 3	13100	13000	173	13300	11100	13300	95% t-statistic UCL
			Lead	3 / 3	34.3	33.4	1.1	33.4	33.4	33.4	Mean
			RBA Adjusted Lead	3 / 3	28.9	28.1	0.923	28.1	28.1	28.1	Mean
			Manganese	3 / 3	189	181	7.21	193	161	193	95% t-statistic UCL
			Nickel	3 / 3	9	8.73	0.367	9.34	7.8	9.34	95% t-statistic UCL
			Thallium	3 / 3	0.196	0.138	0.05	0.223	0.186	0.223	95% t-statistic UCL
			Vanadium	3 / 3	24.6	23.2	1.35	25.5	21.3	25.5	95% t-statistic UCL
127-A1	403	Agriculture	Aluminum	1 / 1	16900	16900	N/A	20300	16900	20300	Result*CF
			Antimony	1 / 1	2.46	2.46	N/A	2.95	2.46	2.95	Result*CF
			Arsenic	1 / 1	13.5	13.5	N/A	16.2	13.5	16.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.21	2.21	N/A	2.65	2.21	2.65	Result*CF
			Cadmium	1 / 1	3.78	3.78	N/A	4.54	3.79	4.54	Result*CF
			Chromium	1 / 1	17.1	17.1	N/A	20.5	17.1	20.5	Result*CF
			Cobalt	1 / 1	5.85	5.85	N/A	7.02	5.86	7.02	Result*CF
			Iron	1 / 1	17700	17700	N/A	21200	17700	21200	Result*CF
			Lead	1 / 1	140	140	N/A	140	140	140	Mean
			RBA Adjusted Lead	1 / 1	118	118	N/A	118	118	118	Mean
			Manganese	1 / 1	660	660	N/A	792	661	792	Result*CF
			Nickel	1 / 1	13	13	N/A	15.6	13	15.6	Result*CF
			Thallium	1 / 1	0.228	0.228	N/A	0.274	0.228	0.274	Result*CF
			Vanadium	1 / 1	28	28	N/A	33.6	28.1	33.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
127-G1	404	Garden	Aluminum	1 / 1	12800	12800	N/A	15400	12800	15400	Result*CF
			Antimony	1 / 1	0.979	0.979	N/A	1.17	0.981	1.17	Result*CF
			Arsenic	1 / 1	7	7	N/A	8.4	7.01	8.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.15	1.15	N/A	1.37	1.15	1.37	Result*CF
			Cadmium	1 / 1	1.72	1.72	N/A	2.06	1.72	2.06	Result*CF
			Chromium	1 / 1	15.7	15.7	N/A	18.8	15.7	18.8	Result*CF
			Cobalt	1 / 1	5.45	5.45	N/A	6.54	5.46	6.54	Result*CF
			Iron	1 / 1	15900	15900	N/A	19100	15900	19100	Result*CF
			Lead	1 / 1	75.1	75.1	N/A	75.1	75.1	75.1	Mean
			RBA Adjusted Lead	1 / 1	63.2	63.2	N/A	63.2	63.2	63.2	Mean
			Manganese	1 / 1	455	455	N/A	546	456	546	Result*CF
			Nickel	1 / 1	12.8	12.8	N/A	15.4	12.8	15.4	Result*CF
			Thallium	1 / 1	0.177	0.177	N/A	0.212	0.177	0.212	Result*CF
			Vanadium	1 / 1	24.1	24.1	N/A	28.9	24.1	28.9	Result*CF
127-G2	405	Garden	Aluminum	1 / 1	12600	12600	N/A	15100	12600	15100	Result*CF
			Antimony	1 / 1	1.15	1.15	N/A	1.38	1.15	1.38	Result*CF
			Arsenic	1 / 1	8.37	8.37	N/A	10	8.39	10	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.37	1.37	N/A	1.64	1.37	1.64	Result*CF
			Cadmium	1 / 1	1.95	1.95	N/A	2.34	1.95	2.34	Result*CF
			Chromium	1 / 1	17.8	17.8	N/A	21.4	17.8	21.4	Result*CF
			Cobalt	1 / 1	5.88	5.88	N/A	7.06	5.89	7.06	Result*CF
			Iron	1 / 1	16900	16900	N/A	20300	16900	20300	Result*CF
			Lead	1 / 1	77.1	77.1	N/A	77.1	77.1	77.1	Mean
			RBA Adjusted Lead	1 / 1	64.9	64.9	N/A	64.9	64.9	64.9	Mean
			Manganese	1 / 1	502	502	N/A	602	503	602	Result*CF
			Nickel	1 / 1	14.9	14.9	N/A	17.9	14.9	17.9	Result*CF
			Thallium	1 / 1	0.169	0.169	N/A	0.203	0.169	0.203	Result*CF
			Vanadium	1 / 1	26.9	26.9	N/A	32.3	27	32.3	Result*CF
127-H1	406	House	Aluminum	1 / 1	12500	12500	N/A	15000	12500	15000	Result*CF
			Antimony	1 / 1	1.55	1.55	N/A	1.86	1.55	1.86	Result*CF
			Arsenic	1 / 1	9.49	9.49	N/A	11.4	9.51	11.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.55	1.55	N/A	1.86	1.56	1.86	Result*CF
			Cadmium	1 / 1	3.04	3.04	N/A	3.65	3.05	3.65	Result*CF
			Chromium	1 / 1	17.9	17.9	N/A	21.5	17.9	21.5	Result*CF
			Cobalt	1 / 1	5.66	5.66	N/A	6.79	5.67	6.79	Result*CF
			Iron	1 / 1	17300	17300	N/A	20800	17300	20800	Result*CF
			Lead	1 / 1	115	115	N/A	115	115	115	Mean
			RBA Adjusted Lead	1 / 1	96.8	96.8	N/A	96.8	96.8	96.8	Mean
			Manganese	1 / 1	499	499	N/A	599	500	599	Result*CF
			Nickel	1 / 1	14	14	N/A	16.8	14	16.8	Result*CF
			Thallium	1 / 1	0.197	0.197	N/A	0.236	0.197	0.236	Result*CF
			Vanadium	1 / 1	28.4	28.4	N/A	34.1	28.5	34.1	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
127-H2	407	House	Aluminum	1 / 1	11900	11900	N/A	14300	11900	14300	Result*CF
			Antimony	1 / 1	0.699	0.699	N/A	0.839	0.7	0.839	Result*CF
			Arsenic	1 / 1	5.54	5.54	N/A	6.65	5.55	6.65	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.907	0.907	N/A	1.09	0.909	1.09	Result*CF
			Cadmium	1 / 1	1.37	1.37	N/A	1.64	1.37	1.64	Result*CF
			Chromium	1 / 1	16	16	N/A	19.2	16	19.2	Result*CF
			Cobalt	1 / 1	5.13	5.13	N/A	6.16	5.14	6.16	Result*CF
			Iron	1 / 1	14700	14700	N/A	17600	14700	17600	Result*CF
			Lead	1 / 1	50.5	50.5	N/A	50.5	50.5	50.5	Mean
			RBA Adjusted Lead	1 / 1	42.5	42.5	N/A	42.5	42.5	42.5	Mean
			Manganese	1 / 1	368	368	N/A	442	369	442	Result*CF
			Nickel	1 / 1	13.4	13.4	N/A	16.1	13.4	16.1	Result*CF
			Thallium	1 / 1	0.158	0.158	N/A	0.19	0.158	0.19	Result*CF
			Vanadium	1 / 1	24.1	24.1	N/A	28.9	24.1	28.9	Result*CF
127-N1	408	Animal Activity Area	Aluminum	3 / 3	13900	13700	252	14100	11800	14100	95% t-statistic UCL
			Antimony	3 / 3	2.01	1.88	0.114	2.08	1.73	2.08	95% t-statistic UCL
			Arsenic	3 / 3	10.2	9.58	0.641	10.7	8.9	10.7	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.67	1.57	0.105	1.75	1.46	1.75	95% t-statistic UCL
			Cadmium	3 / 3	3.65	3.53	0.101	3.7	3.09	3.7	95% t-statistic UCL
			Chromium	3 / 3	16.9	16.8	0.153	17	14.2	17	95% t-statistic UCL
			Cobalt	3 / 3	5.18	5.07	0.0971	5.24	4.37	5.24	95% t-statistic UCL
			Iron	3 / 3	17300	17200	100	17400	14500	17400	95% t-statistic UCL
			Lead	3 / 3	147	141	5.51	141	141	141	Mean
			RBA Adjusted Lead	3 / 3	124	118	4.63	118	118	118	Mean
			Manganese	3 / 3	519	507	11.5	526	440	526	95% t-statistic UCL
			Nickel	3 / 3	12	11.7	0.306	12.2	10.2	12.2	95% t-statistic UCL
			Thallium	3 / 3	0.199	0.196	0.00252	0.201	0.167	0.201	95% t-statistic UCL
			Vanadium	3 / 3	27.7	27.5	0.173	27.8	23.2	27.8	95% t-statistic UCL
128-G1	409	Garden	Aluminum	1 / 1	17200	17200	N/A	20600	17200	20600	Result*CF
			Antimony	1 / 1	0.829	0.829	N/A	0.995	0.831	0.995	Result*CF
			Arsenic	1 / 1	13.1	13.1	N/A	15.7	13.1	15.7	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.61	3.61	N/A	4.33	3.62	4.33	Result*CF
			Cadmium	1 / 1	1.55	1.55	N/A	1.86	1.55	1.86	Result*CF
			Chromium	1 / 1	25.1	25.1	N/A	30.1	25.2	30.1	Result*CF
			Cobalt	1 / 1	9.17	9.17	N/A	11	9.19	11	Result*CF
			Iron	1 / 1	21800	21800	N/A	26200	21800	26200	Result*CF
			Lead	1 / 1	34.7	34.7	N/A	34.7	34.7	34.7	Mean
			RBA Adjusted Lead	1 / 1	37	37	N/A	37	37	37	Mean
			Manganese	1 / 1	431	431	N/A	517	432	517	Result*CF
			Nickel	1 / 1	37.1	37.1	N/A	44.5	37.2	44.5	Result*CF
			Thallium	1 / 1	0.173	0.173	N/A	0.208	0.173	0.208	Result*CF
			Vanadium	1 / 1	36.6	36.6	N/A	43.9	36.7	43.9	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
128-G2	410	Garden	Aluminum	3 / 3	18800	18700	153	18900	15800	18900	95% t-statistic UCL
			Antimony	3 / 3	1.34	1.26	0.08	1.39	1.16	1.39	95% t-statistic UCL
			Arsenic	3 / 3	13.8	13.7	0.115	13.9	11.6	13.9	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.8	3.77	0.0318	3.82	3.19	3.82	95% t-statistic UCL
			Cadmium	3 / 3	3.14	3.08	0.0777	3.21	2.68	3.21	95% t-statistic UCL
			Chromium	3 / 3	22.6	22	0.651	23.1	19.3	23.1	95% t-statistic UCL
			Cobalt	3 / 3	9.25	8.92	0.297	9.42	7.87	9.42	95% t-statistic UCL
			Iron	3 / 3	20200	20100	153	20300	17000	20300	95% t-statistic UCL
			Lead	3 / 3	69.7	64.4	5.8	64.4	64.4	64.4	Mean
			RBA Adjusted Lead	3 / 3	74.2	68.5	6.17	68.5	68.5	68.5	Mean
			Manganese	3 / 3	592	585	6.56	596	498	596	95% t-statistic UCL
			Nickel	3 / 3	56.3	53.5	2.45	57.6	48.1	57.6	95% t-statistic UCL
			Thallium	3 / 3	0.216	0.213	0.00252	0.218	0.182	0.218	95% t-statistic UCL
			Vanadium	3 / 3	32.8	32.2	0.603	33.2	27.7	33.2	95% t-statistic UCL
128-G3	411	Garden	Aluminum	1 / 1	20100	20100	N/A	24100	20100	24100	Result*CF
			Antimony	1 / 1	0.672	0.672	N/A	0.806	0.673	0.806	Result*CF
			Arsenic	1 / 1	8.77	8.77	N/A	10.5	8.79	10.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.42	2.42	N/A	2.9	2.42	2.9	Result*CF
			Cadmium	1 / 1	1.06	1.06	N/A	1.27	1.06	1.27	Result*CF
			Chromium	1 / 1	22.8	22.8	N/A	27.4	22.8	27.4	Result*CF
			Cobalt	1 / 1	8.18	8.18	N/A	9.82	8.2	9.82	Result*CF
			Iron	1 / 1	20700	20700	N/A	24800	20700	24800	Result*CF
			Lead	1 / 1	37.5	37.5	N/A	37.5	37.5	37.5	Mean
			RBA Adjusted Lead	1 / 1	39.9	39.9	N/A	39.9	39.9	39.9	Mean
			Manganese	1 / 1	458	458	N/A	550	459	550	Result*CF
			Nickel	1 / 1	22.1	22.1	N/A	26.5	22.1	26.5	Result*CF
			Thallium	1 / 1	0.181	0.181	N/A	0.217	0.181	0.217	Result*CF
			Vanadium	1 / 1	34.2	34.2	N/A	41	34.3	41	Result*CF
128-N1	412	Animal Activity Area	Aluminum	1 / 1	17900	17900	N/A	21500	17900	21500	Result*CF
			Antimony	1 / 1	1.58	1.58	N/A	1.9	1.58	1.9	Result*CF
			Arsenic	1 / 1	11.5	11.5	N/A	13.8	11.5	13.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.17	3.17	N/A	3.8	3.18	3.8	Result*CF
			Cadmium	1 / 1	2.55	2.55	N/A	3.06	2.56	3.06	Result*CF
			Chromium	1 / 1	23.3	23.3	N/A	28	23.3	28	Result*CF
			Cobalt	1 / 1	7.64	7.64	N/A	9.17	7.66	9.17	Result*CF
			Iron	1 / 1	19700	19700	N/A	23600	19700	23600	Result*CF
			Lead	1 / 1	113	113	N/A	113	113	113	Mean
			RBA Adjusted Lead	1 / 1	120	120	N/A	120	120	120	Mean
			Manganese	1 / 1	550	550	N/A	660	551	660	Result*CF
			Nickel	1 / 1	22.4	22.4	N/A	26.9	22.4	26.9	Result*CF
			Thallium	1 / 1	0.199	0.199	N/A	0.239	0.199	0.239	Result*CF
			Vanadium	1 / 1	30.9	30.9	N/A	37.1	31	37.1	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
128-O1	413	Other -Not Specified	Aluminum	1 / 1	19000	19000	N/A	22800	19000	22800	Result*CF
			Antimony	1 / 1	1.04	1.04	N/A	1.25	1.04	1.25	Result*CF
			Arsenic	1 / 1	9.26	9.26	N/A	11.1	9.28	11.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.55	2.55	N/A	3.06	2.56	3.06	Result*CF
			Cadmium	1 / 1	1.84	1.84	N/A	2.21	1.84	2.21	Result*CF
			Chromium	1 / 1	20.5	20.5	N/A	24.6	20.5	24.6	Result*CF
			Cobalt	1 / 1	7.28	7.28	N/A	8.74	7.29	8.74	Result*CF
			Iron	1 / 1	19300	19300	N/A	23200	19300	23200	Result*CF
			Lead	1 / 1	65	65	N/A	65	65	65	Mean
			RBA Adjusted Lead	1 / 1	69.2	69.2	N/A	69.2	69.2	69.2	Mean
			Manganese	1 / 1	462	462	N/A	554	463	554	Result*CF
			Nickel	1 / 1	46.1	46.1	N/A	55.3	46.2	55.3	Result*CF
			Thallium	1 / 1	0.205	0.205	N/A	0.246	0.205	0.246	Result*CF
			Vanadium	1 / 1	29.1	29.1	N/A	34.9	29.2	34.9	Result*CF
129-H1	414	House	Aluminum	1 / 1	8190	8190	N/A	9830	8210	9830	Result*CF
			Antimony	1 / 1	4.09	4.09	N/A	4.91	4.1	4.91	Result*CF
			Arsenic	1 / 1	13.1	13.1	N/A	15.7	13.1	15.7	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.61	3.61	N/A	4.33	3.62	4.33	Result*CF
			Cadmium	1 / 1	4.59	4.59	N/A	5.51	4.6	5.51	Result*CF
			Chromium	1 / 1	15.2	15.2	N/A	18.2	15.2	18.2	Result*CF
			Cobalt	1 / 1	4.25	4.25	N/A	5.1	4.26	5.1	Result*CF
			Iron	1 / 1	14600	14600	N/A	17500	14600	17500	Result*CF
			Lead	1 / 1	279	279	N/A	279	279	279	Mean
			RBA Adjusted Lead	1 / 1	297	297	N/A	297	297	297	Mean
			Manganese	1 / 1	264	264	N/A	317	265	317	Result*CF
			Nickel	1 / 1	10.4	10.4	N/A	12.5	10.4	12.5	Result*CF
			Thallium	1 / 1	0.338	0.338	N/A	0.406	0.339	0.406	Result*CF
			Vanadium	1 / 1	27.3	27.3	N/A	32.8	27.4	32.8	Result*CF
129-H2	415	House	Aluminum	3 / 3	9740	9590	156	9860	8230	9860	95% t-statistic UCL
			Antimony	3 / 3	3.97	3.58	0.551	4.51	3.76	4.51	95% t-statistic UCL
			Arsenic	3 / 3	13.4	12.8	0.603	13.8	11.5	13.8	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.69	3.52	0.166	3.8	3.17	3.8	95% t-statistic UCL
			Cadmium	3 / 3	6.2	5.64	0.56	6.59	5.5	6.59	95% t-statistic UCL
			Chromium	3 / 3	16	15.8	0.2	16.1	13.5	16.1	95% t-statistic UCL
			Cobalt	3 / 3	4.98	4.93	0.0458	5.01	4.18	5.01	95% t-statistic UCL
			Iron	3 / 3	15300	15100	153	15400	12900	15400	95% t-statistic UCL
			Lead	3 / 3	358	315	56.7	315	315	315	Mean
			RBA Adjusted Lead	3 / 3	381	336	60.4	336	336	336	Mean
			Manganese	3 / 3	360	342	18	372	311	372	95% t-statistic UCL
			Nickel	3 / 3	11.7	11.7	0.0577	11.8	9.82	11.8	95% t-statistic UCL
			Thallium	3 / 3	0.364	0.337	0.027	0.383	0.32	0.383	95% t-statistic UCL
			Vanadium	3 / 3	27.9	27.3	0.666	28.5	23.8	28.5	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
130-G1	416	Garden	Aluminum	3 / 3	10700	10700	N/A	10700	8930	10700	95% t-statistic UCL
			Antimony	3 / 3	0.671	0.64	0.0393	0.707	0.59	0.707	95% t-statistic UCL
			Arsenic	3 / 3	5.32	5.21	0.11	5.4	4.51	5.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.871	0.853	0.018	0.884	0.738	0.884	95% t-statistic UCL
			Cadmium	3 / 3	1.14	1.11	0.0306	1.16	0.973	1.16	95% t-statistic UCL
			Chromium	3 / 3	16.8	16.5	0.252	17	14.2	17	95% t-statistic UCL
			Cobalt	3 / 3	4.6	4.57	0.0252	4.62	3.85	4.62	95% t-statistic UCL
			Iron	3 / 3	15200	15000	200	15300	12800	15300	95% t-statistic UCL
			Lead	3 / 3	45.8	44.3	1.75	44.3	44.3	44.3	Mean
			RBA Adjusted Lead	3 / 3	38.5	37.3	1.47	37.3	37.3	37.3	Mean
			Manganese	3 / 3	376	375	1.53	377	315	377	95% t-statistic UCL
			Nickel	3 / 3	13.8	13.7	0.1	13.9	11.6	13.9	95% t-statistic UCL
			Thallium	3 / 3	0.141	0.139	0.00173	0.142	0.119	0.142	95% t-statistic UCL
			Vanadium	3 / 3	22.9	22.6	0.306	23.1	19.3	23.1	95% t-statistic UCL
130-H1	417	House	Aluminum	1 / 1	8140	8140	N/A	9770	8160	9770	Result*CF
			Antimony	1 / 1	0.285	0.285	N/A	0.342	0.286	0.342	Result*CF
			Arsenic	1 / 1	3.02	3.02	N/A	3.62	3.03	3.62	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.494	0.494	N/A	0.593	0.495	0.593	Result*CF
			Cadmium	1 / 1	0.541	0.541	N/A	0.649	0.542	0.649	Result*CF
			Chromium	1 / 1	14.6	14.6	N/A	17.5	14.6	17.5	Result*CF
			Cobalt	1 / 1	4.12	4.12	N/A	4.94	4.13	4.94	Result*CF
			Iron	1 / 1	14300	14300	N/A	17200	14300	17200	Result*CF
			Lead	1 / 1	21.1	21.1	N/A	21.1	21.1	21.1	Mean
			RBA Adjusted Lead	1 / 1	17.8	17.8	N/A	17.8	17.8	17.8	Mean
			Manganese	1 / 1	253	253	N/A	304	254	304	Result*CF
			Nickel	1 / 1	11.5	11.5	N/A	13.8	11.5	13.8	Result*CF
			Thallium	1 / 1	0.121	0.121	N/A	0.145	0.121	0.145	Result*CF
			Vanadium	1 / 1	20.7	20.7	N/A	24.8	20.7	24.8	Result*CF
130-H2	418	House	Aluminum	1 / 1	13000	13000	N/A	15600	13000	15600	Result*CF
			Antimony	1 / 1	0.772	0.772	N/A	0.926	0.774	0.926	Result*CF
			Arsenic	1 / 1	6.24	6.24	N/A	7.49	6.25	7.49	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.02	1.02	N/A	1.23	1.02	1.23	Result*CF
			Cadmium	1 / 1	1.42	1.42	N/A	1.7	1.42	1.7	Result*CF
			Chromium	1 / 1	18.7	18.7	N/A	22.4	18.7	22.4	Result*CF
			Cobalt	1 / 1	5.66	5.66	N/A	6.79	5.67	6.79	Result*CF
			Iron	1 / 1	16500	16500	N/A	19800	16500	19800	Result*CF
			Lead	1 / 1	63.1	63.1	N/A	63.1	63.1	63.1	Mean
			RBA Adjusted Lead	1 / 1	53.1	53.1	N/A	53.1	53.1	53.1	Mean
			Manganese	1 / 1	417	417	N/A	500	418	500	Result*CF
			Nickel	1 / 1	14.8	14.8	N/A	17.8	14.8	17.8	Result*CF
			Thallium	1 / 1	0.178	0.178	N/A	0.214	0.178	0.214	Result*CF
			Vanadium	1 / 1	25.3	25.3	N/A	30.4	25.4	30.4	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
131-H1	420	House	Aluminum	1 / 1	9350	9350	N/A	11200	9370	11200	Result*CF
			Antimony	1 / 1	1.05	1.05	N/A	1.26	1.05	1.26	Result*CF
			Arsenic	1 / 1	10.5	10.5	N/A	12.6	10.5	12.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.72	1.72	N/A	2.06	1.72	2.06	Result*CF
			Cadmium	1 / 1	3.34	3.34	N/A	4.01	3.35	4.01	Result*CF
			Chromium	1 / 1	18.3	18.3	N/A	22	18.3	22	Result*CF
			Cobalt	1 / 1	5.75	5.75	N/A	6.9	5.76	6.9	Result*CF
			Iron	1 / 1	17700	17700	N/A	21200	17700	21200	Result*CF
			Lead	1 / 1	161	161	N/A	161	161	161	Mean
			RBA Adjusted Lead	1 / 1	135	135	N/A	135	135	135	Mean
			Manganese	1 / 1	337	337	N/A	404	338	404	Result*CF
			Nickel	1 / 1	14.8	14.8	N/A	17.8	14.8	17.8	Result*CF
			Thallium	1 / 1	0.229	0.229	N/A	0.275	0.229	0.275	Result*CF
			Vanadium	1 / 1	26	26	N/A	31.2	26.1	31.2	Result*CF
132-G1	421	Garden	Aluminum	1 / 1	7140	7140	N/A	8570	7150	8570	Result*CF
			Antimony	1 / 1	0.352	0.352	N/A	0.422	0.353	0.422	Result*CF
			Arsenic	1 / 1	4.22	4.22	N/A	5.06	4.23	5.06	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.691	0.691	N/A	0.829	0.692	0.829	Result*CF
			Cadmium	1 / 1	0.602	0.602	N/A	0.722	0.603	0.722	Result*CF
			Chromium	1 / 1	16.1	16.1	N/A	19.3	16.1	19.3	Result*CF
			Cobalt	1 / 1	4.93	4.93	N/A	5.92	4.94	5.92	Result*CF
			Iron	1 / 1	14900	14900	N/A	17900	14900	17900	Result*CF
			Lead	1 / 1	21.9	21.9	N/A	21.9	21.9	21.9	Mean
			RBA Adjusted Lead	1 / 1	18.4	18.4	N/A	18.4	18.4	18.4	Mean
			Manganese	1 / 1	238	238	N/A	286	238	286	Result*CF
			Nickel	1 / 1	12.4	12.4	N/A	14.9	12.4	14.9	Result*CF
			Thallium	1 / 1	0.112	0.112	N/A	0.134	0.112	0.134	Result*CF
			Vanadium	1 / 1	24.6	24.6	N/A	29.5	24.6	29.5	Result*CF
132-G2	422	Garden	Aluminum	1 / 1	9140	9140	N/A	11000	9160	11000	Result*CF
			Antimony	1 / 1	0.164	0.164	N/A	0.197	0.164	0.197	Result*CF
			Arsenic	1 / 1	3.35	3.35	N/A	4.02	3.36	4.02	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.548	0.548	N/A	0.658	0.549	0.658	Result*CF
			Cadmium	1 / 1	0.263	0.263	N/A	0.316	0.264	0.316	Result*CF
			Chromium	1 / 1	15.8	15.8	N/A	19	15.8	19	Result*CF
			Cobalt	1 / 1	5.37	5.37	N/A	6.44	5.38	6.44	Result*CF
			Iron	1 / 1	16000	16000	N/A	19200	16000	19200	Result*CF
			Lead	1 / 1	8.9	8.9	N/A	8.9	8.9	8.9	Mean
			RBA Adjusted Lead	1 / 1	7.49	7.49	N/A	7.49	7.49	7.49	Mean
			Manganese	1 / 1	280	280	N/A	336	281	336	Result*CF
			Nickel	1 / 1	13.2	13.2	N/A	15.8	13.2	15.8	Result*CF
			Thallium	1 / 1	0.107	0.107	N/A	0.128	0.107	0.128	Result*CF
			Vanadium	1 / 1	25	25	N/A	30	25.1	30	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
132-H1	423	House	Aluminum	3 / 3	9490	9380	136	9610	8030	9610	95% t-statistic UCL
			Antimony	3 / 3	0.52	0.479	0.0474	0.558	0.466	0.558	95% t-statistic UCL
			Arsenic	3 / 3	5.26	4.89	0.339	5.47	4.56	5.47	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.861	0.801	0.0556	0.895	0.747	0.895	95% t-statistic UCL
			Cadmium	3 / 3	1.06	0.971	0.0802	1.11	0.923	1.11	95% t-statistic UCL
			Chromium	3 / 3	15.8	14.7	1.01	16.4	13.7	16.4	95% t-statistic UCL
			Cobalt	3 / 3	5.03	4.92	0.121	5.12	4.28	5.12	95% t-statistic UCL
			Iron	3 / 3	14500	14000	551	14900	12400	14900	95% t-statistic UCL
			Lead	3 / 3	38.2	34	3.67	34	34	34	Mean
			RBA Adjusted Lead	3 / 3	32.1	28.6	3.09	28.6	28.6	28.6	Mean
			Manganese	3 / 3	310	303	7.64	316	264	316	95% t-statistic UCL
			Nickel	3 / 3	12.5	12.1	0.351	12.7	10.6	12.7	95% t-statistic UCL
			Thallium	3 / 3	0.141	0.134	0.00586	0.144	0.12	0.144	95% t-statistic UCL
			Vanadium	3 / 3	24.6	22.5	1.94	25.7	21.5	25.7	95% t-statistic UCL
132-O1	424	Other -Not Specified	Aluminum	1 / 1	12300	12300	N/A	14800	12300	14800	Result*CF
			Antimony	1 / 1	0.67	0.67	N/A	0.804	0.671	0.804	Result*CF
			Arsenic	1 / 1	5.09	5.09	N/A	6.11	5.1	6.11	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.833	0.833	N/A	1	0.835	1	Result*CF
			Cadmium	1 / 1	0.894	0.894	N/A	1.07	0.896	1.07	Result*CF
			Chromium	1 / 1	18.8	18.8	N/A	22.6	18.8	22.6	Result*CF
			Cobalt	1 / 1	5.91	5.91	N/A	7.09	5.92	7.09	Result*CF
			Iron	1 / 1	17000	17000	N/A	20400	17000	20400	Result*CF
			Lead	1 / 1	39.5	39.5	N/A	39.5	39.5	39.5	Mean
			RBA Adjusted Lead	1 / 1	33.2	33.2	N/A	33.2	33.2	33.2	Mean
			Manganese	1 / 1	402	402	N/A	482	403	482	Result*CF
			Nickel	1 / 1	14.2	14.2	N/A	17	14.2	17	Result*CF
			Thallium	1 / 1	0.154	0.154	N/A	0.185	0.154	0.185	Result*CF
			Vanadium	1 / 1	26	26	N/A	31.2	26.1	31.2	Result*CF
133-G1	425	Garden	Aluminum	1 / 1	12300	12300	N/A	14800	12300	14800	Result*CF
			Antimony	1 / 1	2.31	2.31	N/A	2.77	2.31	2.77	Result*CF
			Arsenic	1 / 1	11.6	11.6	N/A	13.9	11.6	13.9	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.2	3.2	N/A	3.84	3.2	3.84	Result*CF
			Cadmium	1 / 1	4.19	4.19	N/A	5.03	4.2	5.03	Result*CF
			Chromium	1 / 1	20.2	20.2	N/A	24.2	20.2	24.2	Result*CF
			Cobalt	1 / 1	5.82	5.82	N/A	6.98	5.83	6.98	Result*CF
			Iron	1 / 1	16400	16400	N/A	19700	16400	19700	Result*CF
			Lead	1 / 1	147	147	N/A	147	147	147	Mean
			RBA Adjusted Lead	1 / 1	157	157	N/A	157	157	157	Mean
			Manganese	1 / 1	555	555	N/A	666	556	666	Result*CF
			Nickel	1 / 1	14.1	14.1	N/A	16.9	14.1	16.9	Result*CF
			Thallium	1 / 1	0.237	0.237	N/A	0.284	0.237	0.284	Result*CF
			Vanadium	1 / 1	27.2	27.2	N/A	32.6	27.3	32.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
133-H1	426	House	Aluminum	3 / 3	12000	11600	451	12300	10300	12300	95% t-statistic UCL
			Antimony	3 / 3	1.3	1.19	0.0987	1.35	1.13	1.35	95% t-statistic UCL
			Arsenic	3 / 3	8.31	7.65	0.617	8.69	7.25	8.69	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.29	2.11	0.17	2.39	2	2.39	95% t-statistic UCL
			Cadmium	3 / 3	2.39	2.27	0.115	2.47	2.06	2.47	95% t-statistic UCL
			Chromium	3 / 3	167	72.3	82	211	176	211	95% t-statistic UCL
			Cobalt	3 / 3	6.2	5.76	0.389	6.41	5.35	6.41	95% t-statistic UCL
			Iron	3 / 3	17600	17100	643	18200	15200	18200	95% t-statistic UCL
			Lead	3 / 3	111	101	11.9	101	101	101	Mean
			RBA Adjusted Lead	3 / 3	118	108	12.7	108	108	108	Mean
			Manganese	3 / 3	486	475	9.54	491	410	491	95% t-statistic UCL
			Nickel	3 / 3	44	23.5	17.7	53.4	44.6	53.4	95% t-statistic UCL
			Thallium	3 / 3	0.211	0.192	0.0166	0.22	0.184	0.22	95% t-statistic UCL
			Vanadium	3 / 3	30.4	28.6	1.97	31.9	26.7	31.9	95% t-statistic UCL
134-O1	427	Other -Not Specified	Aluminum	3 / 3	18500	18000	611	19000	15900	19000	95% t-statistic UCL
			Antimony	3 / 3	7.53	7.07	0.487	7.9	6.59	7.9	95% t-statistic UCL
			Arsenic	3 / 3	32	29.5	2.17	33.2	27.7	33.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	8.82	8.13	0.598	9.14	7.63	9.14	95% t-statistic UCL
			Cadmium	3 / 3	9.31	9.12	0.271	9.58	8	9.58	95% t-statistic UCL
			Chromium	3 / 3	17.4	16.8	0.721	18	15	18	95% t-statistic UCL
			Cobalt	3 / 3	6.44	6.2	0.24	6.6	5.51	6.6	95% t-statistic UCL
			Iron	3 / 3	18200	18000	346	18600	15500	18600	95% t-statistic UCL
			Lead	3 / 3	570	545	35.8	545	545	545	Mean
			RBA Adjusted Lead	3 / 3	607	580	38.1	580	580	580	Mean
			Manganese	3 / 3	498	481	14.5	506	422	506	95% t-statistic UCL
			Nickel	3 / 3	13.7	13.3	0.586	14.3	11.9	14.3	95% t-statistic UCL
			Thallium	3 / 3	0.575	0.553	0.0339	0.61	0.509	0.61	95% t-statistic UCL
			Vanadium	3 / 3	29	28.3	1.21	30.3	25.3	30.3	95% t-statistic UCL
135-G1	428	Garden	Aluminum	3 / 3	18600	18100	416	18800	15700	18800	95% t-statistic UCL
			Antimony	3 / 3	1.38	1.33	0.0624	1.44	1.2	1.44	95% t-statistic UCL
			Arsenic	3 / 3	15	14.4	0.896	15.9	13.3	15.9	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.8	3.66	0.227	4.04	3.38	4.04	95% t-statistic UCL
			Cadmium	3 / 3	3.03	2.92	0.165	3.2	2.67	3.2	95% t-statistic UCL
			Chromium	3 / 3	18.8	18.4	0.351	19	15.9	19	95% t-statistic UCL
			Cobalt	3 / 3	6.45	6.25	0.182	6.56	5.48	6.56	95% t-statistic UCL
			Iron	3 / 3	16400	16200	153	16500	13800	16500	95% t-statistic UCL
			Lead	3 / 3	117	114	4.36	114	114	114	Mean
			RBA Adjusted Lead	3 / 3	119	116	4.44	116	116	116	Mean
			Manganese	3 / 3	703	683	20.5	717	599	717	95% t-statistic UCL
			Nickel	3 / 3	18.6	18.1	0.5	18.9	15.8	18.9	95% t-statistic UCL
			Thallium	3 / 3	0.228	0.221	0.00987	0.238	0.199	0.238	95% t-statistic UCL
			Vanadium	3 / 3	28.7	27.9	0.802	29.3	24.5	29.3	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
135-H1	429	House	Aluminum	1 / 1	18400	18400	N/A	22100	18400	22100	Result*CF
			Antimony	1 / 1	1.29	1.29	N/A	1.55	1.29	1.55	Result*CF
			Arsenic	1 / 1	12.8	12.8	N/A	15.4	12.8	15.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.53	3.53	N/A	4.23	3.54	4.23	Result*CF
			Cadmium	1 / 1	3.61	3.61	N/A	4.33	3.62	4.33	Result*CF
			Chromium	1 / 1	16.3	16.3	N/A	19.6	16.3	19.6	Result*CF
			Cobalt	1 / 1	5.9	5.9	N/A	7.08	5.91	7.08	Result*CF
			Iron	1 / 1	16700	16700	N/A	20000	16700	20000	Result*CF
			Lead	1 / 1	159	159	N/A	159	159	159	Mean
			RBA Adjusted Lead	1 / 1	169	169	N/A	169	169	169	Mean
			Manganese	1 / 1	579	579	N/A	695	580	695	Result*CF
			Nickel	1 / 1	14.9	14.9	N/A	17.9	14.9	17.9	Result*CF
			Thallium	1 / 1	0.25	0.25	N/A	0.3	0.251	0.3	Result*CF
			Vanadium	1 / 1	26.7	26.7	N/A	32	26.8	32	Result*CF
135-O1	430	Other -Not Specified	Aluminum	1 / 1	19000	19000	N/A	22800	19000	22800	Result*CF
			Antimony	1 / 1	1.23	1.23	N/A	1.48	1.23	1.48	Result*CF
			Arsenic	1 / 1	12.9	12.9	N/A	15.5	12.9	15.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.56	3.56	N/A	4.27	3.56	4.27	Result*CF
			Cadmium	1 / 1	2.62	2.62	N/A	3.14	2.63	3.14	Result*CF
			Chromium	1 / 1	17.2	17.2	N/A	20.6	17.2	20.6	Result*CF
			Cobalt	1 / 1	5.94	5.94	N/A	7.13	5.95	7.13	Result*CF
			Iron	1 / 1	16200	16200	N/A	19400	16200	19400	Result*CF
			Lead	1 / 1	107	107	N/A	107	107	107	Mean
			RBA Adjusted Lead	1 / 1	114	114	N/A	114	114	114	Mean
			Manganese	1 / 1	738	738	N/A	886	739	886	Result*CF
			Nickel	1 / 1	15.2	15.2	N/A	18.2	15.2	18.2	Result*CF
			Thallium	1 / 1	0.208	0.208	N/A	0.25	0.208	0.25	Result*CF
			Vanadium	1 / 1	23.8	23.8	N/A	28.6	23.8	28.6	Result*CF
136-A1	431	Agriculture	Aluminum	1 / 1	8760	8760	N/A	10500	8780	10500	Result*CF
			Antimony	1 / 1	1.02	1.02	N/A	1.22	1.02	1.22	Result*CF
			Arsenic	1 / 1	6.2	6.2	N/A	7.44	6.21	7.44	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.01	1.01	N/A	1.22	1.02	1.22	Result*CF
			Cadmium	1 / 1	1.16	1.16	N/A	1.39	1.16	1.39	Result*CF
			Chromium	1 / 1	15	15	N/A	18	15	18	Result*CF
			Cobalt	1 / 1	4.78	4.78	N/A	5.74	4.79	5.74	Result*CF
			Iron	1 / 1	14100	14100	N/A	16900	14100	16900	Result*CF
			Lead	1 / 1	32.4	32.4	N/A	32.4	32.4	32.4	Mean
			RBA Adjusted Lead	1 / 1	27.3	27.3	N/A	27.3	27.3	27.3	Mean
			Manganese	1 / 1	273	273	N/A	328	274	328	Result*CF
			Nickel	1 / 1	15.8	15.8	N/A	19	15.8	19	Result*CF
			Thallium	1 / 1	0.148	0.148	N/A	0.178	0.148	0.178	Result*CF
			Vanadium	1 / 1	30.2	30.2	N/A	36.2	30.3	36.2	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
136-G1	432	Garden	Aluminum	1 / 1	8620	8620	N/A	10300	8640	10300	Result*CF
			Antimony	1 / 1	0.729	0.729	N/A	0.875	0.73	0.875	Result*CF
			Arsenic	1 / 1	5.66	5.66	N/A	6.79	5.67	6.79	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.926	0.926	N/A	1.11	0.928	1.11	Result*CF
			Cadmium	1 / 1	0.985	0.985	N/A	1.18	0.987	1.18	Result*CF
			Chromium	1 / 1	15.7	15.7	N/A	18.8	15.7	18.8	Result*CF
			Cobalt	1 / 1	4.57	4.57	N/A	5.48	4.58	5.48	Result*CF
			Iron	1 / 1	14000	14000	N/A	16800	14000	16800	Result*CF
			Lead	1 / 1	29.7	29.7	N/A	29.7	29.7	29.7	Mean
			RBA Adjusted Lead	1 / 1	25	25	N/A	25	25	25	Mean
			Manganese	1 / 1	322	322	N/A	386	323	386	Result*CF
			Nickel	1 / 1	14.6	14.6	N/A	17.5	14.6	17.5	Result*CF
			Thallium	1 / 1	0.124	0.124	N/A	0.149	0.124	0.149	Result*CF
			Vanadium	1 / 1	27.9	27.9	N/A	33.5	28	33.5	Result*CF
136-H1	433	House	Aluminum	3 / 3	8550	8370	256	8800	7350	8800	95% t-statistic UCL
			Antimony	3 / 3	1.11	1.02	0.0785	1.15	0.964	1.15	95% t-statistic UCL
			Arsenic	3 / 3	6.98	6.62	0.411	7.31	6.1	7.31	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.14	1.08	0.0673	1.2	0.999	1.2	95% t-statistic UCL
			Cadmium	3 / 3	1.49	1.4	0.0808	1.54	1.29	1.54	95% t-statistic UCL
			Chromium	3 / 3	16.7	15.9	0.971	17.5	14.6	17.5	95% t-statistic UCL
			Cobalt	3 / 3	5.11	4.86	0.266	5.31	4.43	5.31	95% t-statistic UCL
			Iron	3 / 3	14800	14600	321	15100	12600	15100	95% t-statistic UCL
			Lead	3 / 3	43.6	40.8	2.8	40.8	40.8	40.8	Mean
			RBA Adjusted Lead	3 / 3	36.7	34.4	2.36	34.4	34.4	34.4	Mean
			Manganese	3 / 3	296	290	8.96	305	255	305	95% t-statistic UCL
			Nickel	3 / 3	16.5	15.7	0.802	17.1	14.3	17.1	95% t-statistic UCL
			Thallium	3 / 3	0.155	0.148	0.00702	0.16	0.133	0.16	95% t-statistic UCL
			Vanadium	3 / 3	36.4	34.5	2.06	37.9	31.7	37.9	95% t-statistic UCL
136-O1	434	Other -Not Specified	Aluminum	1 / 1	6740	6740	N/A	8090	6750	8090	Result*CF
			Antimony	1 / 1	2.39	2.39	N/A	2.87	2.39	2.87	Result*CF
			Arsenic	1 / 1	7.52	7.52	N/A	9.02	7.54	9.02	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.32	1.32	N/A	1.59	1.33	1.59	Result*CF
			Cadmium	1 / 1	5.06	5.06	N/A	6.07	5.07	6.07	Result*CF
			Chromium	1 / 1	12.9	12.9	N/A	15.5	12.9	15.5	Result*CF
			Cobalt	1 / 1	3.55	3.55	N/A	4.26	3.56	4.26	Result*CF
			Iron	1 / 1	11900	11900	N/A	14300	11900	14300	Result*CF
			Lead	1 / 1	192	192	N/A	192	192	192	Mean
			RBA Adjusted Lead	1 / 1	205	205	N/A	205	205	205	Mean
			Manganese	1 / 1	473	473	N/A	568	474	568	Result*CF
			Nickel	1 / 1	9.02	9.02	N/A	10.8	9.04	10.8	Result*CF
			Thallium	1 / 1	0.246	0.246	N/A	0.295	0.246	0.295	Result*CF
			Vanadium	1 / 1	21.6	21.6	N/A	25.9	21.6	25.9	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
137-O1	435	Other -Not Specified	Aluminum	3 / 3	7280	7160	102	7340	6130	7340	95% t-statistic UCL
			Antimony	3 / 3	2.46	2.39	0.0755	2.52	2.1	2.52	95% t-statistic UCL
			Arsenic	3 / 3	7.8	7.64	0.147	7.89	6.59	7.89	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.28	1.25	0.0241	1.29	1.08	1.29	95% t-statistic UCL
			Cadmium	3 / 3	5.57	5.53	0.04	5.6	4.67	5.6	95% t-statistic UCL
			Chromium	3 / 3	13.1	13	0.0577	13.1	11	13.1	95% t-statistic UCL
			Cobalt	3 / 3	3.77	3.72	0.0839	3.86	3.22	3.86	95% t-statistic UCL
			Iron	3 / 3	12000	11900	115	12100	10100	12100	95% t-statistic UCL
			Lead	3 / 3	221	215	7.09	215	215	215	Mean
			RBA Adjusted Lead	3 / 3	186	181	5.97	181	181	181	Mean
			Manganese	3 / 3	534	521	13.5	543	454	543	95% t-statistic UCL
			Nickel	3 / 3	9.62	9.52	0.179	9.82	8.2	9.82	95% t-statistic UCL
			Thallium	3 / 3	0.277	0.263	0.0131	0.285	0.238	0.285	95% t-statistic UCL
			Vanadium	3 / 3	21.5	21.1	0.404	21.8	18.2	21.8	95% t-statistic UCL
137-O2	436	Other -Not Specified	Aluminum	1 / 1	7560	7560	N/A	9070	7580	9070	Result*CF
			Antimony	1 / 1	1.62	1.62	N/A	1.94	1.62	1.94	Result*CF
			Arsenic	1 / 1	7.45	7.45	N/A	8.94	7.46	8.94	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.22	1.22	N/A	1.46	1.22	1.46	Result*CF
			Cadmium	1 / 1	3.92	3.92	N/A	4.7	3.93	4.7	Result*CF
			Chromium	1 / 1	13.5	13.5	N/A	16.2	13.5	16.2	Result*CF
			Cobalt	1 / 1	3.86	3.86	N/A	4.63	3.87	4.63	Result*CF
			Iron	1 / 1	12000	12000	N/A	14400	12000	14400	Result*CF
			Lead	1 / 1	145	145	N/A	145	145	145	Mean
			RBA Adjusted Lead	1 / 1	122	122	N/A	122	122	122	Mean
			Manganese	1 / 1	434	434	N/A	521	435	521	Result*CF
			Nickel	1 / 1	10.2	10.2	N/A	12.2	10.2	12.2	Result*CF
			Thallium	1 / 1	0.201	0.201	N/A	0.241	0.201	0.241	Result*CF
			Vanadium	1 / 1	22.6	22.6	N/A	27.1	22.6	27.1	Result*CF
138-G1	437	Garden	Aluminum	1 / 1	12400	12400	N/A	14900	12400	14900	Result*CF
			Antimony	1 / 1	1.11	1.11	N/A	1.33	1.11	1.33	Result*CF
			Arsenic	1 / 1	8.99	8.99	N/A	10.8	9.01	10.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.47	1.47	N/A	1.77	1.47	1.77	Result*CF
			Cadmium	1 / 1	2.18	2.18	N/A	2.62	2.18	2.62	Result*CF
			Chromium	1 / 1	21.8	21.8	N/A	26.2	21.8	26.2	Result*CF
			Cobalt	1 / 1	6.82	6.82	N/A	8.18	6.83	8.18	Result*CF
			Iron	1 / 1	15900	15900	N/A	19100	15900	19100	Result*CF
			Lead	1 / 1	42.2	42.2	N/A	42.2	42.2	42.2	Mean
			RBA Adjusted Lead	1 / 1	35.5	35.5	N/A	35.5	35.5	35.5	Mean
			Manganese	1 / 1	441	441	N/A	529	442	529	Result*CF
			Nickel	1 / 1	23.5	23.5	N/A	28.2	23.5	28.2	Result*CF
			Thallium	1 / 1	0.211	0.211	N/A	0.253	0.211	0.253	Result*CF
			Vanadium	1 / 1	29.7	29.7	N/A	35.6	29.8	35.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
138-G2	438	Garden	Aluminum	1 / 1	10200	10200	N/A	12200	10200	12200	Result*CF
			Antimony	1 / 1	1.27	1.27	N/A	1.52	1.27	1.52	Result*CF
			Arsenic	1 / 1	7.43	7.43	N/A	8.92	7.44	8.92	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.22	1.22	N/A	1.46	1.22	1.46	Result*CF
			Cadmium	1 / 1	2.27	2.27	N/A	2.72	2.27	2.72	Result*CF
			Chromium	1 / 1	23.1	23.1	N/A	27.7	23.1	27.7	Result*CF
			Cobalt	1 / 1	6.93	6.93	N/A	8.32	6.94	8.32	Result*CF
			Iron	1 / 1	15000	15000	N/A	18000	15000	18000	Result*CF
			Lead	1 / 1	57.2	57.2	N/A	57.2	57.2	57.2	Mean
			RBA Adjusted Lead	1 / 1	48.1	48.1	N/A	48.1	48.1	48.1	Mean
			Manganese	1 / 1	585	585	N/A	702	586	702	Result*CF
			Nickel	1 / 1	27.2	27.2	N/A	32.6	27.3	32.6	Result*CF
			Thallium	1 / 1	0.126	0.126	N/A	0.151	0.126	0.151	Result*CF
			Vanadium	1 / 1	21.8	21.8	N/A	26.2	21.8	26.2	Result*CF
138-H1	439	House	Aluminum	1 / 1	15200	15200	N/A	18200	15200	18200	Result*CF
			Antimony	1 / 1	1.01	1.01	N/A	1.21	1.01	1.21	Result*CF
			Arsenic	1 / 1	8.17	8.17	N/A	9.8	8.19	9.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.34	1.34	N/A	1.6	1.34	1.6	Result*CF
			Cadmium	1 / 1	1.71	1.71	N/A	2.05	1.71	2.05	Result*CF
			Chromium	1 / 1	24.9	24.9	N/A	29.9	24.9	29.9	Result*CF
			Cobalt	1 / 1	7.48	7.48	N/A	8.98	7.49	8.98	Result*CF
			Iron	1 / 1	19600	19600	N/A	23500	19600	23500	Result*CF
			Lead	1 / 1	33.9	33.9	N/A	33.9	33.9	33.9	Mean
			RBA Adjusted Lead	1 / 1	28.5	28.5	N/A	28.5	28.5	28.5	Mean
			Manganese	1 / 1	458	458	N/A	550	459	550	Result*CF
			Nickel	1 / 1	26.4	26.4	N/A	31.7	26.5	31.7	Result*CF
			Thallium	1 / 1	0.168	0.168	N/A	0.202	0.168	0.202	Result*CF
			Vanadium	1 / 1	32.2	32.2	N/A	38.6	32.3	38.6	Result*CF
138-O1	440	Other -Not Specified	Aluminum	1 / 1	13200	13200	N/A	15800	13200	15800	Result*CF
			Antimony	1 / 1	0.619	0.619	N/A	0.743	0.62	0.743	Result*CF
			Arsenic	1 / 1	5.8	5.8	N/A	6.96	5.81	6.96	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.949	0.949	N/A	1.14	0.951	1.14	Result*CF
			Cadmium	1 / 1	1.21	1.21	N/A	1.45	1.21	1.45	Result*CF
			Chromium	1 / 1	24.2	24.2	N/A	29	24.2	29	Result*CF
			Cobalt	1 / 1	6.48	6.48	N/A	7.78	6.49	7.78	Result*CF
			Iron	1 / 1	21200	21200	N/A	25400	21200	25400	Result*CF
			Lead	1 / 1	29	29	N/A	29	29	29	Mean
			RBA Adjusted Lead	1 / 1	24.4	24.4	N/A	24.4	24.4	24.4	Mean
			Manganese	1 / 1	428	428	N/A	514	429	514	Result*CF
			Nickel	1 / 1	20.8	20.8	N/A	25	20.8	25	Result*CF
			Thallium	1 / 1	0.143	0.143	N/A	0.172	0.143	0.172	Result*CF
			Vanadium	1 / 1	31.7	31.7	N/A	38	31.8	38	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
138-O2	441	Other -Not Specified	Aluminum	3 / 3	11000	10700	265	11100	9310	11100	95% t-statistic UCL
			Antimony	3 / 3	1.2	1.18	0.0265	1.22	1.02	1.22	95% t-statistic UCL
			Arsenic	3 / 3	10.2	9.93	0.238	10.3	8.63	10.3	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.67	1.63	0.039	1.69	1.41	1.69	95% t-statistic UCL
			Cadmium	3 / 3	4.78	4.75	0.0231	4.79	4	4.79	95% t-statistic UCL
			Chromium	3 / 3	24.9	24.1	0.693	25.3	21.1	25.3	95% t-statistic UCL
			Cobalt	3 / 3	7.37	7.16	0.191	7.48	6.25	7.48	95% t-statistic UCL
			Iron	3 / 3	17000	16500	458	17300	14400	17300	95% t-statistic UCL
			Lead	3 / 3	55	54.1	0.95	54.1	54.1	54.1	Mean
			RBA Adjusted Lead	3 / 3	46.3	45.5	0.8	45.5	45.5	45.5	Mean
			Manganese	3 / 3	502	497	4.73	505	421	505	95% t-statistic UCL
			Nickel	3 / 3	39.2	38.8	0.361	39.4	32.9	39.4	95% t-statistic UCL
			Thallium	3 / 3	0.152	0.149	0.00351	0.155	0.129	0.155	95% t-statistic UCL
			Vanadium	3 / 3	28.5	28	0.5	28.8	24.1	28.8	95% t-statistic UCL
139-G1	442	Garden	Aluminum	1 / 1	14500	14500	N/A	17400	14500	17400	Result*CF
			Antimony	1 / 1	0.873	0.873	N/A	1.05	0.875	1.05	Result*CF
			Arsenic	1 / 1	7.63	7.63	N/A	9.16	7.65	9.16	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.25	1.25	N/A	1.5	1.25	1.5	Result*CF
			Cadmium	1 / 1	1.38	1.38	N/A	1.66	1.38	1.66	Result*CF
			Chromium	1 / 1	17.1	17.1	N/A	20.5	17.1	20.5	Result*CF
			Cobalt	1 / 1	6.41	6.41	N/A	7.69	6.42	7.69	Result*CF
			Iron	1 / 1	15500	15500	N/A	18600	15500	18600	Result*CF
			Lead	1 / 1	55.5	55.5	N/A	55.5	55.5	55.5	Mean
			RBA Adjusted Lead	1 / 1	46.7	46.7	N/A	46.7	46.7	46.7	Mean
			Manganese	1 / 1	448	448	N/A	538	449	538	Result*CF
			Nickel	1 / 1	14.1	14.1	N/A	16.9	14.1	16.9	Result*CF
			Thallium	1 / 1	0.177	0.177	N/A	0.212	0.177	0.212	Result*CF
			Vanadium	1 / 1	30	30	N/A	36	30.1	36	Result*CF
139-G2	443	Garden	Aluminum	1 / 1	14100	14100	N/A	16900	14100	16900	Result*CF
			Antimony	1 / 1	0.863	0.863	N/A	1.04	0.865	1.04	Result*CF
			Arsenic	1 / 1	6.87	6.87	N/A	8.24	6.88	8.24	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.12	1.12	N/A	1.35	1.13	1.35	Result*CF
			Cadmium	1 / 1	1.37	1.37	N/A	1.64	1.37	1.64	Result*CF
			Chromium	1 / 1	16.5	16.5	N/A	19.8	16.5	19.8	Result*CF
			Cobalt	1 / 1	6.09	6.09	N/A	7.31	6.1	7.31	Result*CF
			Iron	1 / 1	15600	15600	N/A	18700	15600	18700	Result*CF
			Lead	1 / 1	47.1	47.1	N/A	47.1	47.1	47.1	Mean
			RBA Adjusted Lead	1 / 1	39.6	39.6	N/A	39.6	39.6	39.6	Mean
			Manganese	1 / 1	416	416	N/A	499	417	499	Result*CF
			Nickel	1 / 1	13.9	13.9	N/A	16.7	13.9	16.7	Result*CF
			Thallium	1 / 1	0.169	0.169	N/A	0.203	0.169	0.203	Result*CF
			Vanadium	1 / 1	28.6	28.6	N/A	34.3	28.7	34.3	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
139-H1	444	House	Aluminum	3 / 3	15700	15400	265	15800	13200	15800	95% t-statistic UCL
			Antimony	3 / 3	0.776	0.757	0.0172	0.786	0.656	0.786	95% t-statistic UCL
			Arsenic	3 / 3	7.05	6.83	0.231	7.22	6.03	7.22	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.15	1.12	0.0378	1.18	0.987	1.18	95% t-statistic UCL
			Cadmium	3 / 3	1.64	1.49	0.135	1.72	1.43	1.72	95% t-statistic UCL
			Chromium	3 / 3	18	17.8	0.265	18.2	15.2	18.2	95% t-statistic UCL
			Cobalt	3 / 3	6.92	6.77	0.16	7.04	5.88	7.04	95% t-statistic UCL
			Iron	3 / 3	16400	16200	200	16500	13800	16500	95% t-statistic UCL
			Lead	3 / 3	51.9	50.7	1.02	50.7	50.7	50.7	Mean
			RBA Adjusted Lead	3 / 3	43.7	42.7	0.859	42.7	42.7	42.7	Mean
			Manganese	3 / 3	494	466	24.8	508	424	508	95% t-statistic UCL
			Nickel	3 / 3	14.9	14.8	0.0577	14.9	12.5	14.9	95% t-statistic UCL
			Thallium	3 / 3	0.177	0.175	0.00153	0.178	0.149	0.178	95% t-statistic UCL
			Vanadium	3 / 3	29.6	29.2	0.379	29.8	24.9	29.8	95% t-statistic UCL
139-N1	445	Animal Activity Area	Aluminum	1 / 1	13000	13000	N/A	15600	13000	15600	Result*CF
			Antimony	1 / 1	0.883	0.883	N/A	1.06	0.885	1.06	Result*CF
			Arsenic	1 / 1	6.66	6.66	N/A	7.99	6.67	7.99	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.09	1.09	N/A	1.31	1.09	1.31	Result*CF
			Cadmium	1 / 1	1.52	1.52	N/A	1.82	1.52	1.82	Result*CF
			Chromium	1 / 1	16.8	16.8	N/A	20.2	16.8	20.2	Result*CF
			Cobalt	1 / 1	6.01	6.01	N/A	7.21	6.02	7.21	Result*CF
			Iron	1 / 1	15300	15300	N/A	18400	15300	18400	Result*CF
			Lead	1 / 1	54.1	54.1	N/A	54.1	54.1	54.1	Mean
			RBA Adjusted Lead	1 / 1	45.5	45.5	N/A	45.5	45.5	45.5	Mean
			Manganese	1 / 1	411	411	N/A	493	412	493	Result*CF
			Nickel	1 / 1	12.9	12.9	N/A	15.5	12.9	15.5	Result*CF
			Thallium	1 / 1	0.178	0.178	N/A	0.214	0.178	0.214	Result*CF
			Vanadium	1 / 1	25.8	25.8	N/A	31	25.9	31	Result*CF
140-G1	446	Garden	Aluminum	1 / 1	31200	31200	N/A	37400	31300	37400	Result*CF
			Antimony	1 / 1	5.06	5.06	N/A	6.07	5.07	6.07	Result*CF
			Arsenic	1 / 1	23	23	N/A	27.6	23	27.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	6.34	6.34	N/A	7.61	6.35	7.61	Result*CF
			Cadmium	1 / 1	6.16	6.16	N/A	7.39	6.17	7.39	Result*CF
			Chromium	1 / 1	14.1	14.1	N/A	16.9	14.1	16.9	Result*CF
			Cobalt	1 / 1	5.91	5.91	N/A	7.09	5.92	7.09	Result*CF
			Iron	1 / 1	16400	16400	N/A	19700	16400	19700	Result*CF
			Lead	1 / 1	247	247	N/A	247	247	247	Mean
			RBA Adjusted Lead	1 / 1	263	263	N/A	263	263	263	Mean
			Manganese	1 / 1	741	741	N/A	889	742	889	Result*CF
			Nickel	1 / 1	12.7	12.7	N/A	15.2	12.7	15.2	Result*CF
			Thallium	1 / 1	0.324	0.324	N/A	0.389	0.325	0.389	Result*CF
			Vanadium	1 / 1	27.4	27.4	N/A	32.9	27.5	32.9	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
140-H1[d]	447[d]	House	Aluminum	--	9700	--	--	--	8100	9700	Maximum Backfill
			Antimony	--	0.34	--	--	--	0.284	0.34	Maximum Backfill
			Arsenic	--	3.3	--	--	--	2.76	3.3	Maximum Backfill
			RBA Adjusted Arsenic	--	0.91	--	--	--	0.76	0.91	Maximum Backfill
			Cadmium	--	0.28	--	--	--	0.234	0.28	Maximum Backfill
			Chromium	--	31	--	--	--	25.9	31	Maximum Backfill
			Cobalt	--	5.8	--	--	--	4.84	5.8	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	19	--	--	--	19	19	Maximum Backfill
			RBA Adjusted Lead	--	20.2	--	--	--	20.2	20.2	Maximum Backfill
			Manganese	--	310	--	--	--	259	310	Maximum Backfill
			Nickel	--	21	--	--	--	17.5	21	Maximum Backfill
			Thallium	--	0.11	--	--	--	0.0919	0.11	Maximum Backfill
			Vanadium	--	27	--	--	--	22.5	27	Maximum Backfill
140-O1	448	Other -Not Specified	Aluminum	1 / 1	20900	20900	N/A	25100	20900	25100	Result*CF
			Antimony	1 / 1	6.89	6.89	N/A	8.27	6.9	8.27	Result*CF
			Arsenic	1 / 1	39.4	39.4	N/A	47.3	39.5	47.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	10.9	10.9	N/A	13	10.9	13	Result*CF
			Cadmium	1 / 1	10.3	10.3	N/A	12.4	10.3	12.4	Result*CF
			Chromium	1 / 1	14.3	14.3	N/A	17.2	14.3	17.2	Result*CF
			Cobalt	1 / 1	5.25	5.25	N/A	6.3	5.26	6.3	Result*CF
			Iron	1 / 1	15300	15300	N/A	18400	15300	18400	Result*CF
			Lead	1 / 1	464	464	N/A	464	464	464	Mean
			RBA Adjusted Lead	1 / 1	494	494	N/A	494	494	494	Mean
			Manganese	1 / 1	562	562	N/A	674	563	674	Result*CF
			Nickel	1 / 1	12	12	N/A	14.4	12	14.4	Result*CF
			Thallium	1 / 1	0.464	0.464	N/A	0.557	0.465	0.557	Result*CF
			Vanadium	1 / 1	26.6	26.6	N/A	31.9	26.7	31.9	Result*CF
140-O2[d]	449[d]	Other -Not Specified	Aluminum	--	9700	--	--	--	8100	9700	Maximum Backfill
			Antimony	--	0.34	--	--	--	0.284	0.34	Maximum Backfill
			Arsenic	--	3.3	--	--	--	2.76	3.3	Maximum Backfill
			RBA Adjusted Arsenic	--	0.91	--	--	--	0.76	0.91	Maximum Backfill
			Cadmium	--	0.28	--	--	--	0.234	0.28	Maximum Backfill
			Chromium	--	31	--	--	--	25.9	31	Maximum Backfill
			Cobalt	--	5.8	--	--	--	4.84	5.8	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	19	--	--	--	19	19	Maximum Backfill
			RBA Adjusted Lead	--	20.2	--	--	--	20.2	20.2	Maximum Backfill
			Manganese	--	310	--	--	--	259	310	Maximum Backfill
			Nickel	--	21	--	--	--	17.5	21	Maximum Backfill
			Thallium	--	0.11	--	--	--	0.0919	0.11	Maximum Backfill
			Vanadium	--	27	--	--	--	22.5	27	Maximum Backfill

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
141-A1	450	Agriculture	Aluminum	1 / 1	16600	16600	N/A	19900	16600	19900	Result*CF
			Antimony	1 / 1	0.892	0.892	N/A	1.07	0.894	1.07	Result*CF
			Arsenic	1 / 1	12.3	12.3	N/A	14.8	12.3	14.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.01	2.01	N/A	2.42	2.02	2.42	Result*CF
			Cadmium	1 / 1	1.4	1.4	N/A	1.68	1.4	1.68	Result*CF
			Chromium	1 / 1	21.8	21.8	N/A	26.2	21.8	26.2	Result*CF
			Cobalt	1 / 1	10.9	10.9	N/A	13.1	10.9	13.1	Result*CF
			Iron	1 / 1	24000	24000	N/A	28800	24000	28800	Result*CF
			Lead	1 / 1	46.3	46.3	N/A	46.3	46.3	46.3	Mean
			RBA Adjusted Lead	1 / 1	39	39	N/A	39	39	39	Mean
			Manganese	1 / 1	614	614	N/A	737	615	737	Result*CF
			Nickel	1 / 1	26.1	26.1	N/A	31.3	26.2	31.3	Result*CF
			Thallium	1 / 1	0.137	0.137	N/A	0.164	0.137	0.164	Result*CF
			Vanadium	1 / 1	30.1	30.1	N/A	36.1	30.2	36.1	Result*CF
141-H1	451	House	Aluminum	3 / 3	16800	16500	265	16900	14100	16900	95% t-statistic UCL
			Antimony	3 / 3	1.2	1.17	0.03	1.22	1.02	1.22	95% t-statistic UCL
			Arsenic	3 / 3	14.9	14.5	0.361	15.1	12.6	15.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.44	2.37	0.059	2.47	2.06	2.47	95% t-statistic UCL
			Cadmium	3 / 3	1.96	1.89	0.0666	2	1.67	2	95% t-statistic UCL
			Chromium	3 / 3	22.5	22	0.624	23.1	19.2	23.1	95% t-statistic UCL
			Cobalt	3 / 3	11.4	11.2	0.208	11.6	9.67	11.6	95% t-statistic UCL
			Iron	3 / 3	26200	26000	208	26400	22000	26400	95% t-statistic UCL
			Lead	3 / 3	85.2	81.6	3.65	81.6	81.6	81.6	Mean
			RBA Adjusted Lead	3 / 3	71.7	68.6	3.07	68.6	68.6	68.6	Mean
			Manganese	3 / 3	566	563	2.52	568	474	568	95% t-statistic UCL
			Nickel	3 / 3	30.2	29	1.26	31.2	26	31.2	95% t-statistic UCL
			Thallium	3 / 3	0.156	0.154	0.002	0.157	0.131	0.157	95% t-statistic UCL
			Vanadium	3 / 3	31.9	31.5	0.473	32.3	27	32.3	95% t-statistic UCL
141-H2	452	House	Aluminum	1 / 1	17200	17200	N/A	20600	17200	20600	Result*CF
			Antimony	1 / 1	1.64	1.64	N/A	1.97	1.64	1.97	Result*CF
			Arsenic	1 / 1	16.6	16.6	N/A	19.9	16.6	19.9	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.72	2.72	N/A	3.26	2.72	3.26	Result*CF
			Cadmium	1 / 1	2.6	2.6	N/A	3.12	2.61	3.12	Result*CF
			Chromium	1 / 1	20.6	20.6	N/A	24.7	20.6	24.7	Result*CF
			Cobalt	1 / 1	12.2	12.2	N/A	14.6	12.2	14.6	Result*CF
			Iron	1 / 1	27400	27400	N/A	32900	27500	32900	Result*CF
			Lead	1 / 1	95.6	95.6	N/A	95.6	95.6	95.6	Mean
			RBA Adjusted Lead	1 / 1	80.4	80.4	N/A	80.4	80.4	80.4	Mean
			Manganese	1 / 1	642	642	N/A	770	643	770	Result*CF
			Nickel	1 / 1	30.6	30.6	N/A	36.7	30.7	36.7	Result*CF
			Thallium	1 / 1	0.166	0.166	N/A	0.199	0.166	0.199	Result*CF
			Vanadium	1 / 1	31.3	31.3	N/A	37.6	31.4	37.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
141-H3	453	House	Aluminum	1 / 1	15300	15300	N/A	18400	15300	18400	Result*CF
			Antimony	1 / 1	1.14	1.14	N/A	1.37	1.14	1.37	Result*CF
			Arsenic	1 / 1	12.7	12.7	N/A	15.2	12.7	15.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.08	2.08	N/A	2.49	2.08	2.49	Result*CF
			Cadmium	1 / 1	2.06	2.06	N/A	2.47	2.06	2.47	Result*CF
			Chromium	1 / 1	20.8	20.8	N/A	25	20.8	25	Result*CF
			Cobalt	1 / 1	9.24	9.24	N/A	11.1	9.26	11.1	Result*CF
			Iron	1 / 1	24100	24100	N/A	28900	24100	28900	Result*CF
			Lead	1 / 1	77.4	77.4	N/A	77.4	77.4	77.4	Mean
			RBA Adjusted Lead	1 / 1	65.1	65.1	N/A	65.1	65.1	65.1	Mean
			Manganese	1 / 1	506	506	N/A	607	507	607	Result*CF
			Nickel	1 / 1	25.4	25.4	N/A	30.5	25.5	30.5	Result*CF
			Thallium	1 / 1	0.144	0.144	N/A	0.173	0.144	0.173	Result*CF
			Vanadium	1 / 1	28.8	28.8	N/A	34.6	28.9	34.6	Result*CF
141-N1	454	Animal Activity Area	Aluminum	1 / 1	12000	12000	N/A	14400	12000	14400	Result*CF
			Antimony	1 / 1	0.721	0.721	N/A	0.865	0.722	0.865	Result*CF
			Arsenic	1 / 1	7.74	7.74	N/A	9.29	7.76	9.29	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.27	1.27	N/A	1.52	1.27	1.52	Result*CF
			Cadmium	1 / 1	1.29	1.29	N/A	1.55	1.29	1.55	Result*CF
			Chromium	1 / 1	17.9	17.9	N/A	21.5	17.9	21.5	Result*CF
			Cobalt	1 / 1	6.66	6.66	N/A	7.99	6.67	7.99	Result*CF
			Iron	1 / 1	19000	19000	N/A	22800	19000	22800	Result*CF
			Lead	1 / 1	35	35	N/A	35	35	35	Mean
			RBA Adjusted Lead	1 / 1	29.4	29.4	N/A	29.4	29.4	29.4	Mean
			Manganese	1 / 1	431	431	N/A	517	432	517	Result*CF
			Nickel	1 / 1	18.4	18.4	N/A	22.1	18.4	22.1	Result*CF
			Thallium	1 / 1	0.111	0.111	N/A	0.133	0.111	0.133	Result*CF
			Vanadium	1 / 1	23.5	23.5	N/A	28.2	23.5	28.2	Result*CF
141-N2	455	Animal Activity Area	Aluminum	1 / 1	19100	19100	N/A	22900	19100	22900	Result*CF
			Antimony	1 / 1	1.28	1.28	N/A	1.54	1.28	1.54	Result*CF
			Arsenic	1 / 1	14.5	14.5	N/A	17.4	14.5	17.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.37	2.37	N/A	2.85	2.38	2.85	Result*CF
			Cadmium	1 / 1	1.77	1.77	N/A	2.12	1.77	2.12	Result*CF
			Chromium	1 / 1	21.2	21.2	N/A	25.4	21.2	25.4	Result*CF
			Cobalt	1 / 1	11	11	N/A	13.2	11	13.2	Result*CF
			Iron	1 / 1	25900	25900	N/A	31100	26000	31100	Result*CF
			Lead	1 / 1	49.6	49.6	N/A	49.6	49.6	49.6	Mean
			RBA Adjusted Lead	1 / 1	41.7	41.7	N/A	41.7	41.7	41.7	Mean
			Manganese	1 / 1	587	587	N/A	704	588	704	Result*CF
			Nickel	1 / 1	25	25	N/A	30	25.1	30	Result*CF
			Thallium	1 / 1	0.176	0.176	N/A	0.211	0.176	0.211	Result*CF
			Vanadium	1 / 1	31.3	31.3	N/A	37.6	31.4	37.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
141-N3	456	Animal Activity Area	Aluminum	1 / 1	6180	6180	N/A	7420	6190	7420	Result*CF
			Antimony	1 / 1	0.464	0.464	N/A	0.557	0.465	0.557	Result*CF
			Arsenic	1 / 1	4.31	4.31	N/A	5.17	4.32	5.17	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.705	0.705	N/A	0.847	0.707	0.847	Result*CF
			Cadmium	1 / 1	0.574	0.574	N/A	0.689	0.575	0.689	Result*CF
			Chromium	1 / 1	12.2	12.2	N/A	14.6	12.2	14.6	Result*CF
			Cobalt	1 / 1	4.4	4.4	N/A	5.28	4.41	5.28	Result*CF
			Iron	1 / 1	11200	11200	N/A	13400	11200	13400	Result*CF
			Lead	1 / 1	14.8	14.8	N/A	14.8	14.8	14.8	Mean
			RBA Adjusted Lead	1 / 1	12.5	12.5	N/A	12.5	12.5	12.5	Mean
			Manganese	1 / 1	179	179	N/A	215	179	215	Result*CF
			Nickel	1 / 1	10.9	10.9	N/A	13.1	10.9	13.1	Result*CF
			Thallium	1 / 1	0.186	0.186	N/A	0.223	0.186	0.223	Result*CF
			Vanadium	1 / 1	18.2	18.2	N/A	21.8	18.2	21.8	Result*CF
141-N4	457	Animal Activity Area	Aluminum	1 / 1	14600	14600	N/A	17500	14600	17500	Result*CF
			Antimony	1 / 1	0.988	0.988	N/A	1.19	0.99	1.19	Result*CF
			Arsenic	1 / 1	13.4	13.4	N/A	16.1	13.4	16.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.19	2.19	N/A	2.63	2.2	2.63	Result*CF
			Cadmium	1 / 1	1.54	1.54	N/A	1.85	1.54	1.85	Result*CF
			Chromium	1 / 1	20.8	20.8	N/A	25	20.8	25	Result*CF
			Cobalt	1 / 1	9.83	9.83	N/A	11.8	9.85	11.8	Result*CF
			Iron	1 / 1	22900	22900	N/A	27500	22900	27500	Result*CF
			Lead	1 / 1	45.6	45.6	N/A	45.6	45.6	45.6	Mean
			RBA Adjusted Lead	1 / 1	38.4	38.4	N/A	38.4	38.4	38.4	Mean
			Manganese	1 / 1	545	545	N/A	654	546	654	Result*CF
			Nickel	1 / 1	26.2	26.2	N/A	31.4	26.3	31.4	Result*CF
			Thallium	1 / 1	0.122	0.122	N/A	0.146	0.122	0.146	Result*CF
			Vanadium	1 / 1	26	26	N/A	31.2	26.1	31.2	Result*CF
141-O1	458	Other -Not Specified	Aluminum	1 / 1	17200	17200	N/A	20600	17200	20600	Result*CF
			Antimony	1 / 1	1.05	1.05	N/A	1.26	1.05	1.26	Result*CF
			Arsenic	1 / 1	12.3	12.3	N/A	14.8	12.3	14.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.01	2.01	N/A	2.42	2.02	2.42	Result*CF
			Cadmium	1 / 1	1.82	1.82	N/A	2.18	1.82	2.18	Result*CF
			Chromium	1 / 1	20	20	N/A	24	20	24	Result*CF
			Cobalt	1 / 1	9.36	9.36	N/A	11.2	9.38	11.2	Result*CF
			Iron	1 / 1	24000	24000	N/A	28800	24000	28800	Result*CF
			Lead	1 / 1	52.2	52.2	N/A	52.2	52.2	52.2	Mean
			RBA Adjusted Lead	1 / 1	43.9	43.9	N/A	43.9	43.9	43.9	Mean
			Manganese	1 / 1	529	529	N/A	635	530	635	Result*CF
			Nickel	1 / 1	23	23	N/A	27.6	23	27.6	Result*CF
			Thallium	1 / 1	0.141	0.141	N/A	0.169	0.141	0.169	Result*CF
			Vanadium	1 / 1	30.2	30.2	N/A	36.2	30.3	36.2	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
142-H1	459	House	Aluminum	3 / 3	15200	14500	577	15500	12900	15500	95% t-statistic UCL
			Antimony	3 / 3	1.57	1.5	0.0751	1.62	1.36	1.62	95% t-statistic UCL
			Arsenic	3 / 3	11.8	11.1	0.643	12.2	10.1	12.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.93	1.81	0.105	1.99	1.66	1.99	95% t-statistic UCL
			Cadmium	3 / 3	3.44	3.09	0.312	3.61	3.02	3.61	95% t-statistic UCL
			Chromium	3 / 3	21.8	20.3	1.45	22.7	19	22.7	95% t-statistic UCL
			Cobalt	3 / 3	7.58	7.42	0.21	7.77	6.49	7.77	95% t-statistic UCL
			Iron	3 / 3	20000	19100	850	20600	17200	20600	95% t-statistic UCL
			Lead	3 / 3	127	116	9.54	116	116	116	Mean
			RBA Adjusted Lead	3 / 3	107	97.6	8.03	97.6	97.6	97.6	Mean
			Manganese	3 / 3	590	580	9.29	595	497	595	95% t-statistic UCL
			Nickel	3 / 3	18.5	18	0.757	19.2	16.1	19.2	95% t-statistic UCL
			Thallium	3 / 3	0.291	0.245	0.0398	0.312	0.261	0.312	95% t-statistic UCL
			Vanadium	3 / 3	36.6	33.3	3.02	38.4	32	38.4	95% t-statistic UCL
142-O1	460	Other -Not Specified	Aluminum	1 / 1	15100	15100	N/A	18100	15100	18100	Result*CF
			Antimony	1 / 1	1.19	1.19	N/A	1.43	1.19	1.43	Result*CF
			Arsenic	1 / 1	9.26	9.26	N/A	11.1	9.28	11.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.52	1.52	N/A	1.82	1.52	1.82	Result*CF
			Cadmium	1 / 1	2.47	2.47	N/A	2.96	2.47	2.96	Result*CF
			Chromium	1 / 1	16.8	16.8	N/A	20.2	16.8	20.2	Result*CF
			Cobalt	1 / 1	6.57	6.57	N/A	7.88	6.58	7.88	Result*CF
			Iron	1 / 1	18500	18500	N/A	22200	18500	22200	Result*CF
			Lead	1 / 1	82.2	82.2	N/A	82.2	82.2	82.2	Mean
			RBA Adjusted Lead	1 / 1	69.2	69.2	N/A	69.2	69.2	69.2	Mean
			Manganese	1 / 1	588	588	N/A	706	589	706	Result*CF
			Nickel	1 / 1	15.9	15.9	N/A	19.1	15.9	19.1	Result*CF
			Thallium	1 / 1	0.192	0.192	N/A	0.23	0.192	0.23	Result*CF
			Vanadium	1 / 1	28.6	28.6	N/A	34.3	28.7	34.3	Result*CF
143-A1	461	Agriculture	Aluminum	1 / 1	13600	13600	N/A	16300	13600	16300	Result*CF
			Antimony	1 / 1	0.831	0.831	N/A	0.997	0.833	0.997	Result*CF
			Arsenic	1 / 1	7.28	7.28	N/A	8.74	7.29	8.74	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.19	1.19	N/A	1.43	1.19	1.43	Result*CF
			Cadmium	1 / 1	1.47	1.47	N/A	1.76	1.47	1.76	Result*CF
			Chromium	1 / 1	14	14	N/A	16.8	14	16.8	Result*CF
			Cobalt	1 / 1	4.65	4.65	N/A	5.58	4.66	5.58	Result*CF
			Iron	1 / 1	14000	14000	N/A	16800	14000	16800	Result*CF
			Lead	1 / 1	61.8	61.8	N/A	61.8	61.8	61.8	Mean
			RBA Adjusted Lead	1 / 1	52	52	N/A	52	52	52	Mean
			Manganese	1 / 1	375	375	N/A	450	376	450	Result*CF
			Nickel	1 / 1	10.7	10.7	N/A	12.8	10.7	12.8	Result*CF
			Thallium	1 / 1	0.161	0.161	N/A	0.193	0.161	0.193	Result*CF
			Vanadium	1 / 1	23.4	23.4	N/A	28.1	23.4	28.1	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
143-G1	462	Garden	Aluminum	3 / 3	14900	14100	693	15300	12700	15300	95% t-statistic UCL
			Antimony	3 / 3	1.15	1.09	0.0811	1.23	1.02	1.23	95% t-statistic UCL
			Arsenic	3 / 3	9.2	8.86	0.429	9.59	8.01	9.59	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.51	1.45	0.0703	1.57	1.31	1.57	95% t-statistic UCL
			Cadmium	3 / 3	1.98	1.9	0.0907	2.05	1.71	2.05	95% t-statistic UCL
			Chromium	3 / 3	15.4	14.7	0.608	15.7	13.1	15.7	95% t-statistic UCL
			Cobalt	3 / 3	5.49	5.24	0.223	5.62	4.69	5.62	95% t-statistic UCL
			Iron	3 / 3	14800	14200	569	15100	12600	15100	95% t-statistic UCL
			Lead	3 / 3	82.8	78.4	4.67	78.4	78.4	78.4	Mean
			RBA Adjusted Lead	3 / 3	69.7	65.9	3.92	65.9	65.9	65.9	Mean
			Manganese	3 / 3	420	399	22.1	436	364	436	95% t-statistic UCL
			Nickel	3 / 3	11.8	11.3	0.404	12	10	12	95% t-statistic UCL
			Thallium	3 / 3	0.19	0.181	0.00954	0.197	0.165	0.197	95% t-statistic UCL
			Vanadium	3 / 3	26.8	25.1	1.56	27.8	23.2	27.8	95% t-statistic UCL
143-G2	463	Garden	Aluminum	1 / 1	13100	13100	N/A	15700	13100	15700	Result*CF
			Antimony	1 / 1	0.738	0.738	N/A	0.886	0.739	0.886	Result*CF
			Arsenic	1 / 1	7.34	7.34	N/A	8.81	7.35	8.81	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.2	1.2	N/A	1.44	1.2	1.44	Result*CF
			Cadmium	1 / 1	1.26	1.26	N/A	1.51	1.26	1.51	Result*CF
			Chromium	1 / 1	14.8	14.8	N/A	17.8	14.8	17.8	Result*CF
			Cobalt	1 / 1	5.45	5.45	N/A	6.54	5.46	6.54	Result*CF
			Iron	1 / 1	13600	13600	N/A	16300	13600	16300	Result*CF
			Lead	1 / 1	55.7	55.7	N/A	55.7	55.7	55.7	Mean
			RBA Adjusted Lead	1 / 1	46.9	46.9	N/A	46.9	46.9	46.9	Mean
			Manganese	1 / 1	367	367	N/A	440	368	440	Result*CF
			Nickel	1 / 1	12.3	12.3	N/A	14.8	12.3	14.8	Result*CF
			Thallium	1 / 1	0.164	0.164	N/A	0.197	0.164	0.197	Result*CF
			Vanadium	1 / 1	25.3	25.3	N/A	30.4	25.4	30.4	Result*CF
143-H1	464	House	Aluminum	1 / 1	14000	14000	N/A	16800	14000	16800	Result*CF
			Antimony	1 / 1	1.06	1.06	N/A	1.27	1.06	1.27	Result*CF
			Arsenic	1 / 1	8.61	8.61	N/A	10.3	8.63	10.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.41	1.41	N/A	1.69	1.41	1.69	Result*CF
			Cadmium	1 / 1	2.01	2.01	N/A	2.41	2.01	2.41	Result*CF
			Chromium	1 / 1	14.5	14.5	N/A	17.4	14.5	17.4	Result*CF
			Cobalt	1 / 1	5.03	5.03	N/A	6.04	5.04	6.04	Result*CF
			Iron	1 / 1	14800	14800	N/A	17800	14800	17800	Result*CF
			Lead	1 / 1	83.9	83.9	N/A	83.9	83.9	83.9	Mean
			RBA Adjusted Lead	1 / 1	70.6	70.6	N/A	70.6	70.6	70.6	Mean
			Manganese	1 / 1	383	383	N/A	460	384	460	Result*CF
			Nickel	1 / 1	11.7	11.7	N/A	14	11.7	14	Result*CF
			Thallium	1 / 1	0.173	0.173	N/A	0.208	0.173	0.208	Result*CF
			Vanadium	1 / 1	24.4	24.4	N/A	29.3	24.4	29.3	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
144-G1	465	Garden	Aluminum	3 / 3	16900	15300	1820	18300	15300	18300	95% t-statistic UCL
			Antimony	3 / 3	1.98	1.76	0.276	2.23	1.86	2.23	95% t-statistic UCL
			Arsenic	3 / 3	14.8	13.4	1.76	16.3	13.6	16.3	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.42	2.19	0.288	2.67	2.23	2.67	95% t-statistic UCL
			Cadmium	3 / 3	3.58	3.01	0.597	4.02	3.35	4.02	95% t-statistic UCL
			Chromium	3 / 3	18.2	17.1	1.82	20.2	16.8	20.2	95% t-statistic UCL
			Cobalt	3 / 3	7.13	6.48	0.828	7.88	6.58	7.88	95% t-statistic UCL
			Iron	3 / 3	17300	15800	1680	18700	15600	18700	95% t-statistic UCL
			Lead	3 / 3	145	117	26.8	117	117	117	Mean
			RBA Adjusted Lead	3 / 3	122	98.6	22.6	98.6	98.6	98.6	Mean
			Manganese	3 / 3	555	504	57.8	601	502	601	95% t-statistic UCL
			Nickel	3 / 3	16.1	14.9	1.66	17.7	14.8	17.7	95% t-statistic UCL
			Thallium	3 / 3	0.273	0.242	0.0363	0.303	0.253	0.303	95% t-statistic UCL
			Vanadium	3 / 3	35.3	32.8	3.44	38.6	32.3	38.6	95% t-statistic UCL
144-H1	466	House	Aluminum	1 / 1	16400	16400	N/A	19700	16400	19700	Result*CF
			Antimony	1 / 1	1.95	1.95	N/A	2.34	1.95	2.34	Result*CF
			Arsenic	1 / 1	14.5	14.5	N/A	17.4	14.5	17.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.37	2.37	N/A	2.85	2.38	2.85	Result*CF
			Cadmium	1 / 1	4.14	4.14	N/A	4.97	4.15	4.97	Result*CF
			Chromium	1 / 1	14.6	14.6	N/A	17.5	14.6	17.5	Result*CF
			Cobalt	1 / 1	5.73	5.73	N/A	6.88	5.74	6.88	Result*CF
			Iron	1 / 1	15600	15600	N/A	18700	15600	18700	Result*CF
			Lead	1 / 1	167	167	N/A	167	167	167	Mean
			RBA Adjusted Lead	1 / 1	141	141	N/A	141	141	141	Mean
			Manganese	1 / 1	477	477	N/A	572	478	572	Result*CF
			Nickel	1 / 1	12.5	12.5	N/A	15	12.5	15	Result*CF
			Thallium	1 / 1	0.306	0.306	N/A	0.367	0.307	0.367	Result*CF
			Vanadium	1 / 1	28.2	28.2	N/A	33.8	28.3	33.8	Result*CF
145-A1	467	Agriculture	Aluminum	3 / 3	17500	16900	493	17800	14800	17800	95% t-statistic UCL
			Antimony	3 / 3	1.13	0.999	0.114	1.19	0.994	1.19	95% t-statistic UCL
			Arsenic	3 / 3	7.88	7.26	0.54	8.17	6.82	8.17	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.29	1.19	0.0884	1.34	1.12	1.34	95% t-statistic UCL
			Cadmium	3 / 3	2.41	2.17	0.211	2.52	2.11	2.52	95% t-statistic UCL
			Chromium	3 / 3	16.1	15	0.945	16.6	13.9	16.6	95% t-statistic UCL
			Cobalt	3 / 3	6.17	5.68	0.428	6.4	5.34	6.4	95% t-statistic UCL
			Iron	3 / 3	16900	16500	351	17100	14300	17100	95% t-statistic UCL
			Lead	3 / 3	81.6	73	7.48	73	73	73	Mean
			RBA Adjusted Lead	3 / 3	68.7	61.4	6.29	61.4	61.4	61.4	Mean
			Manganese	3 / 3	559	539	17.1	568	474	568	95% t-statistic UCL
			Nickel	3 / 3	15.2	14	1.01	15.7	13.1	15.7	95% t-statistic UCL
			Thallium	3 / 3	0.243	0.226	0.0175	0.256	0.213	0.256	95% t-statistic UCL
			Vanadium	3 / 3	33.7	31.4	2.01	34.8	29	34.8	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
145-H1	468	House	Aluminum	1 / 1	19600	19600	N/A	23500	19600	23500	Result*CF
			Antimony	1 / 1	1.97	1.97	N/A	2.36	1.97	2.36	Result*CF
			Arsenic	1 / 1	13.6	13.6	N/A	16.3	13.6	16.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.23	2.23	N/A	2.67	2.23	2.67	Result*CF
			Cadmium	1 / 1	5.13	5.13	N/A	6.16	5.14	6.16	Result*CF
			Chromium	1 / 1	16.7	16.7	N/A	20	16.7	20	Result*CF
			Cobalt	1 / 1	6.16	6.16	N/A	7.39	6.17	7.39	Result*CF
			Iron	1 / 1	17100	17100	N/A	20500	17100	20500	Result*CF
			Lead	1 / 1	190	190	N/A	190	190	190	Mean
			RBA Adjusted Lead	1 / 1	160	160	N/A	160	160	160	Mean
			Manganese	1 / 1	726	726	N/A	871	727	871	Result*CF
			Nickel	1 / 1	16	16	N/A	19.2	16	19.2	Result*CF
			Thallium	1 / 1	0.319	0.319	N/A	0.383	0.32	0.383	Result*CF
			Vanadium	1 / 1	34.1	34.1	N/A	40.9	34.2	40.9	Result*CF
146G	176	Garden	Aluminum	1 / 1	20400	20400	N/A	24500	20400	24500	Result*CF
			Antimony	1 / 1	0.639	0.639	N/A	0.767	0.64	0.767	Result*CF
			Arsenic	1 / 1	8.19	8.19	N/A	9.83	8.21	9.83	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.26	2.26	N/A	2.71	2.26	2.71	Result*CF
			Cadmium	1 / 1	0.976	0.976	N/A	1.17	0.978	1.17	Result*CF
			Chromium	1 / 1	18.6	18.6	N/A	22.3	18.6	22.3	Result*CF
			Cobalt	1 / 1	7.71	7.71	N/A	9.25	7.73	9.25	Result*CF
			Iron	1 / 1	19000	19000	N/A	22800	19000	22800	Result*CF
			Lead	1 / 1	40.6	40.6	N/A	40.6	40.6	40.6	Mean
			RBA Adjusted Lead	1 / 1	43.2	43.2	N/A	43.2	43.2	43.2	Mean
			Manganese	1 / 1	504	504	N/A	605	505	605	Result*CF
			Nickel	1 / 1	19.8	19.8	N/A	23.8	19.8	23.8	Result*CF
			Thallium	1 / 1	0.2	0.2	N/A	0.24	0.2	0.24	Result*CF
			Vanadium	1 / 1	32.3	32.3	N/A	38.8	32.4	38.8	Result*CF
146-H1	469	House	Aluminum	3 / 3	13800	13500	493	14300	11900	14300	95% t-statistic UCL
			Antimony	3 / 3	14.9	14.8	0.115	15	12.5	15	95% t-statistic UCL
			Arsenic	3 / 3	50.3	48	2.8	52.8	44.1	52.8	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	13.5	12.9	0.755	14.2	11.9	14.2	95% t-statistic UCL
			Cadmium	3 / 3	45.6	39.3	5.46	48.5	40.5	48.5	95% t-statistic UCL
			Chromium	3 / 3	18	17.2	0.764	18.5	15.4	18.5	95% t-statistic UCL
			Cobalt	3 / 3	6.79	6.46	0.395	7.12	5.95	7.12	95% t-statistic UCL
			Iron	3 / 3	18600	18100	624	19200	16000	19200	95% t-statistic UCL
			Lead	3 / 3	1890	1720	154	1720	1720	1720	Mean
			RBA Adjusted Lead	3 / 3	1980	1800	161	1800	1800	1800	Mean
			Manganese	3 / 3	1380	1350	30.6	1400	1170	1400	95% t-statistic UCL
			Nickel	3 / 3	14.1	13.5	0.651	14.6	12.2	14.6	95% t-statistic UCL
			Thallium	3 / 3	1.52	1.39	0.13	1.61	1.34	1.61	95% t-statistic UCL
			Vanadium	3 / 3	31	29.6	1.35	31.9	26.6	31.9	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
147-G1	470	Garden	Aluminum	3 / 3	17000	16600	346	17200	14300	17200	95% t-statistic UCL
			Antimony	3 / 3	0.893	0.891	0.00321	0.896	0.748	0.896	95% t-statistic UCL
			Arsenic	3 / 3	6.95	6.78	0.223	7.16	5.98	7.16	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.14	1.11	0.0365	1.17	0.978	1.17	95% t-statistic UCL
			Cadmium	3 / 3	1.73	1.7	0.0493	1.78	1.49	1.78	95% t-statistic UCL
			Chromium	3 / 3	22.8	22.3	0.723	23.6	19.7	23.6	95% t-statistic UCL
			Cobalt	3 / 3	7.19	7.01	0.159	7.27	6.07	7.27	95% t-statistic UCL
			Iron	3 / 3	19200	19100	173	19400	16200	19400	95% t-statistic UCL
			Lead	3 / 3	72.2	70.9	2	70.9	70.9	70.9	Mean
			RBA Adjusted Lead	3 / 3	60.7	59.6	1.68	59.6	59.6	59.6	Mean
			Manganese	3 / 3	498	495	4.36	502	419	502	95% t-statistic UCL
			Nickel	3 / 3	17.4	17.1	0.231	17.5	14.6	17.5	95% t-statistic UCL
			Thallium	3 / 3	0.193	0.187	0.00551	0.196	0.164	0.196	95% t-statistic UCL
			Vanadium	3 / 3	34	33.3	0.945	34.9	29.1	34.9	95% t-statistic UCL
147-G2	471	Garden	Aluminum	1 / 1	13300	13300	N/A	16000	13300	16000	Result*CF
			Antimony	1 / 1	1.19	1.19	N/A	1.43	1.19	1.43	Result*CF
			Arsenic	1 / 1	9.35	9.35	N/A	11.2	9.37	11.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.53	1.53	N/A	1.84	1.53	1.84	Result*CF
			Cadmium	1 / 1	2.45	2.45	N/A	2.94	2.45	2.94	Result*CF
			Chromium	1 / 1	18.2	18.2	N/A	21.8	18.2	21.8	Result*CF
			Cobalt	1 / 1	6.05	6.05	N/A	7.26	6.06	7.26	Result*CF
			Iron	1 / 1	16600	16600	N/A	19900	16600	19900	Result*CF
			Lead	1 / 1	101	101	N/A	101	101	101	Mean
			RBA Adjusted Lead	1 / 1	85	85	N/A	85	85	85	Mean
			Manganese	1 / 1	496	496	N/A	595	497	595	Result*CF
			Nickel	1 / 1	13.7	13.7	N/A	16.4	13.7	16.4	Result*CF
			Thallium	1 / 1	0.177	0.177	N/A	0.212	0.177	0.212	Result*CF
			Vanadium	1 / 1	27.2	27.2	N/A	32.6	27.3	32.6	Result*CF
147-H1	472	House	Aluminum	1 / 1	15300	15300	N/A	18400	15300	18400	Result*CF
			Antimony	1 / 1	1.24	1.24	N/A	1.49	1.24	1.49	Result*CF
			Arsenic	1 / 1	7.73	7.73	N/A	9.28	7.75	9.28	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.27	1.27	N/A	1.52	1.27	1.52	Result*CF
			Cadmium	1 / 1	2.35	2.35	N/A	2.82	2.35	2.82	Result*CF
			Chromium	1 / 1	18.8	18.8	N/A	22.6	18.8	22.6	Result*CF
			Cobalt	1 / 1	5.75	5.75	N/A	6.9	5.76	6.9	Result*CF
			Iron	1 / 1	16300	16300	N/A	19600	16300	19600	Result*CF
			Lead	1 / 1	99	99	N/A	99	99	99	Mean
			RBA Adjusted Lead	1 / 1	83.3	83.3	N/A	83.3	83.3	83.3	Mean
			Manganese	1 / 1	476	476	N/A	571	477	571	Result*CF
			Nickel	1 / 1	14.5	14.5	N/A	17.4	14.5	17.4	Result*CF
			Thallium	1 / 1	0.187	0.187	N/A	0.224	0.187	0.224	Result*CF
			Vanadium	1 / 1	25.9	25.9	N/A	31.1	26	31.1	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
148-H1	473	House	Aluminum	3 / 3	8430	8210	199	8540	7130	8540	95% t-statistic UCL
			Antimony	3 / 3	0.562	0.544	0.0175	0.574	0.479	0.574	95% t-statistic UCL
			Arsenic	3 / 3	4.75	4.68	0.0874	4.82	4.03	4.82	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.777	0.765	0.0143	0.79	0.659	0.79	95% t-statistic UCL
			Cadmium	3 / 3	1.22	1.2	0.0289	1.25	1.05	1.25	95% t-statistic UCL
			Chromium	3 / 3	19.7	19.3	0.4	20	16.7	20	95% t-statistic UCL
			Cobalt	3 / 3	5.43	5.37	0.0709	5.49	4.58	5.49	95% t-statistic UCL
			Iron	3 / 3	16500	16300	208	16600	13900	16600	95% t-statistic UCL
			Lead	3 / 3	59.5	57.5	1.88	57.5	57.5	57.5	Mean
			RBA Adjusted Lead	3 / 3	50.1	48.3	1.58	48.3	48.3	48.3	Mean
			Manganese	3 / 3	311	306	7.57	318	266	318	95% t-statistic UCL
			Nickel	3 / 3	14.4	14.2	0.252	14.6	12.2	14.6	95% t-statistic UCL
			Thallium	3 / 3	0.15	0.146	0.00473	0.154	0.129	0.154	95% t-statistic UCL
			Vanadium	3 / 3	30.5	29.8	0.7	31	25.9	31	95% t-statistic UCL
148-O1	474	Other -Not Specified	Aluminum	1 / 1	8600	8600	N/A	10300	8620	10300	Result*CF
			Antimony	1 / 1	0.693	0.693	N/A	0.832	0.694	0.832	Result*CF
			Arsenic	1 / 1	5.24	5.24	N/A	6.29	5.25	6.29	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.858	0.858	N/A	1.03	0.859	1.03	Result*CF
			Cadmium	1 / 1	1.4	1.4	N/A	1.68	1.4	1.68	Result*CF
			Chromium	1 / 1	20	20	N/A	24	20	24	Result*CF
			Cobalt	1 / 1	5.78	5.78	N/A	6.94	5.79	6.94	Result*CF
			Iron	1 / 1	16600	16600	N/A	19900	16600	19900	Result*CF
			Lead	1 / 1	73.3	73.3	N/A	73.3	73.3	73.3	Mean
			RBA Adjusted Lead	1 / 1	61.7	61.7	N/A	61.7	61.7	61.7	Mean
			Manganese	1 / 1	321	321	N/A	385	322	385	Result*CF
			Nickel	1 / 1	14.8	14.8	N/A	17.8	14.8	17.8	Result*CF
			Thallium	1 / 1	0.161	0.161	N/A	0.193	0.161	0.193	Result*CF
			Vanadium	1 / 1	31.4	31.4	N/A	37.7	31.5	37.7	Result*CF
148-O3	475	Other -Not Specified	Aluminum	1 / 1	8720	8720	N/A	10500	8740	10500	Result*CF
			Antimony	1 / 1	1.55	1.55	N/A	1.86	1.55	1.86	Result*CF
			Arsenic	1 / 1	11.3	11.3	N/A	13.6	11.3	13.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.85	1.85	N/A	2.22	1.85	2.22	Result*CF
			Cadmium	1 / 1	3.09	3.09	N/A	3.71	3.1	3.71	Result*CF
			Chromium	1 / 1	18.2	18.2	N/A	21.8	18.2	21.8	Result*CF
			Cobalt	1 / 1	5.47	5.47	N/A	6.56	5.48	6.56	Result*CF
			Iron	1 / 1	17200	17200	N/A	20600	17200	20600	Result*CF
			Lead	1 / 1	125	125	N/A	125	125	125	Mean
			RBA Adjusted Lead	1 / 1	105	105	N/A	105	105	105	Mean
			Manganese	1 / 1	281	281	N/A	337	282	337	Result*CF
			Nickel	1 / 1	14.2	14.2	N/A	17	14.2	17	Result*CF
			Thallium	1 / 1	0.254	0.254	N/A	0.305	0.255	0.305	Result*CF
			Vanadium	1 / 1	28.9	28.9	N/A	34.7	29	34.7	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
149-A1	476	Agriculture	Aluminum	3 / 3	26500	26200	306	26700	22300	26700	95% t-statistic UCL
			Antimony	3 / 3	1.94	1.89	0.07	2.01	1.68	2.01	95% t-statistic UCL
			Arsenic	3 / 3	17.9	17.4	0.451	18.2	15.2	18.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.93	2.85	0.0738	2.98	2.49	2.98	95% t-statistic UCL
			Cadmium	3 / 3	14.9	14.4	0.503	15.3	12.8	15.3	95% t-statistic UCL
			Chromium	3 / 3	59.4	58.3	1.4	60.6	50.6	60.6	95% t-statistic UCL
			Cobalt	3 / 3	26.4	26	0.473	26.8	22.4	26.8	95% t-statistic UCL
			Iron	3 / 3	43200	42900	361	43500	36300	43500	95% t-statistic UCL
			Lead	3 / 3	56.6	55.3	2.06	55.3	55.3	55.3	Mean
			RBA Adjusted Lead	3 / 3	47.6	46.5	1.73	46.5	46.5	46.5	Mean
			Manganese	3 / 3	832	806	22.4	844	705	844	95% t-statistic UCL
			Nickel	3 / 3	178	173	4.51	181	151	181	95% t-statistic UCL
			Thallium	3 / 3	0.555	0.541	0.0131	0.563	0.47	0.563	95% t-statistic UCL
			Vanadium	3 / 3	98.3	96.2	2.01	99.6	83.2	99.6	95% t-statistic UCL
149-G1	478	Garden	Aluminum	1 / 1	21100	21100	N/A	25300	21100	25300	Result*CF
			Antimony	1 / 1	1.46	1.46	N/A	1.75	1.46	1.75	Result*CF
			Arsenic	1 / 1	12.8	12.8	N/A	15.4	12.8	15.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.1	2.1	N/A	2.51	2.1	2.51	Result*CF
			Cadmium	1 / 1	5.61	5.61	N/A	6.73	5.62	6.73	Result*CF
			Chromium	1 / 1	45.1	45.1	N/A	54.1	45.2	54.1	Result*CF
			Cobalt	1 / 1	17	17	N/A	20.4	17	20.4	Result*CF
			Iron	1 / 1	29700	29700	N/A	35600	29800	35600	Result*CF
			Lead	1 / 1	58.2	58.2	N/A	58.2	58.2	58.2	Mean
			RBA Adjusted Lead	1 / 1	49	49	N/A	49	49	49	Mean
			Manganese	1 / 1	723	723	N/A	868	724	868	Result*CF
			Nickel	1 / 1	80.1	80.1	N/A	96.1	80.3	96.1	Result*CF
			Thallium	1 / 1	0.317	0.317	N/A	0.38	0.318	0.38	Result*CF
			Vanadium	1 / 1	65.9	65.9	N/A	79.1	66	79.1	Result*CF
149-G2	479	Garden	Aluminum	1 / 1	17400	17400	N/A	20900	17400	20900	Result*CF
			Antimony	1 / 1	1.37	1.37	N/A	1.64	1.37	1.64	Result*CF
			Arsenic	1 / 1	13.2	13.2	N/A	15.8	13.2	15.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.16	2.16	N/A	2.59	2.16	2.59	Result*CF
			Cadmium	1 / 1	5.61	5.61	N/A	6.73	5.62	6.73	Result*CF
			Chromium	1 / 1	42.1	42.1	N/A	50.5	42.2	50.5	Result*CF
			Cobalt	1 / 1	16.4	16.4	N/A	19.7	16.4	19.7	Result*CF
			Iron	1 / 1	28000	28000	N/A	33600	28100	33600	Result*CF
			Lead	1 / 1	64.7	64.7	N/A	64.7	64.7	64.7	Mean
			RBA Adjusted Lead	1 / 1	54.4	54.4	N/A	54.4	54.4	54.4	Mean
			Manganese	1 / 1	640	640	N/A	768	641	768	Result*CF
			Nickel	1 / 1	78.1	78.1	N/A	93.7	78.3	93.7	Result*CF
			Thallium	1 / 1	0.325	0.325	N/A	0.39	0.326	0.39	Result*CF
			Vanadium	1 / 1	60.1	60.1	N/A	72.1	60.2	72.1	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
149-H1	480	House	Aluminum	1 / 1	19500	19500	N/A	23400	19500	23400	Result*CF
			Antimony	1 / 1	1.73	1.73	N/A	2.08	1.73	2.08	Result*CF
			Arsenic	1 / 1	13.8	13.8	N/A	16.6	13.8	16.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.26	2.26	N/A	2.71	2.26	2.71	Result*CF
			Cadmium	1 / 1	6.55	6.55	N/A	7.86	6.56	7.86	Result*CF
			Chromium	1 / 1	45.9	45.9	N/A	55.1	46	55.1	Result*CF
			Cobalt	1 / 1	16.6	16.6	N/A	19.9	16.6	19.9	Result*CF
			Iron	1 / 1	27500	27500	N/A	33000	27600	33000	Result*CF
			Lead	1 / 1	87	87	N/A	87	87	87	Mean
			RBA Adjusted Lead	1 / 1	73.2	73.2	N/A	73.2	73.2	73.2	Mean
			Manganese	1 / 1	646	646	N/A	775	647	775	Result*CF
			Nickel	1 / 1	79.4	79.4	N/A	95.3	79.6	95.3	Result*CF
			Thallium	1 / 1	0.336	0.336	N/A	0.403	0.337	0.403	Result*CF
			Vanadium	1 / 1	63.9	63.9	N/A	76.7	64	76.7	Result*CF
149-N1	481	Animal Activity Area	Aluminum	1 / 1	16000	16000	N/A	19200	16000	19200	Result*CF
			Antimony	1 / 1	1.03	1.03	N/A	1.24	1.03	1.24	Result*CF
			Arsenic	1 / 1	9.59	9.59	N/A	11.5	9.61	11.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.57	1.57	N/A	1.88	1.57	1.88	Result*CF
			Cadmium	1 / 1	4.01	4.01	N/A	4.81	4.02	4.81	Result*CF
			Chromium	1 / 1	35.9	35.9	N/A	43.1	36	43.1	Result*CF
			Cobalt	1 / 1	12.5	12.5	N/A	15	12.5	15	Result*CF
			Iron	1 / 1	24000	24000	N/A	28800	24000	28800	Result*CF
			Lead	1 / 1	40.9	40.9	N/A	40.9	40.9	40.9	Mean
			RBA Adjusted Lead	1 / 1	34.4	34.4	N/A	34.4	34.4	34.4	Mean
			Manganese	1 / 1	542	542	N/A	650	543	650	Result*CF
			Nickel	1 / 1	59	59	N/A	70.8	59.1	70.8	Result*CF
			Thallium	1 / 1	0.253	0.253	N/A	0.304	0.254	0.304	Result*CF
			Vanadium	1 / 1	49.8	49.8	N/A	59.8	49.9	59.8	Result*CF
150-G1	482	Garden	Aluminum	1 / 1	10500	10500	N/A	12600	10500	12600	Result*CF
			Antimony	1 / 1	0.503	0.503	N/A	0.604	0.504	0.604	Result*CF
			Arsenic	1 / 1	5.21	5.21	N/A	6.25	5.22	6.25	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.853	0.853	N/A	1.02	0.854	1.02	Result*CF
			Cadmium	1 / 1	0.92	0.92	N/A	1.1	0.922	1.1	Result*CF
			Chromium	1 / 1	15	15	N/A	18	15	18	Result*CF
			Cobalt	1 / 1	4.22	4.22	N/A	5.06	4.23	5.06	Result*CF
			Iron	1 / 1	13600	13600	N/A	16300	13600	16300	Result*CF
			Lead	1 / 1	52	52	N/A	52	52	52	Mean
			RBA Adjusted Lead	1 / 1	43.7	43.7	N/A	43.7	43.7	43.7	Mean
			Manganese	1 / 1	237	237	N/A	284	237	284	Result*CF
			Nickel	1 / 1	12.1	12.1	N/A	14.5	12.1	14.5	Result*CF
			Thallium	1 / 1	0.138	0.138	N/A	0.166	0.138	0.166	Result*CF
			Vanadium	1 / 1	21.6	21.6	N/A	25.9	21.6	25.9	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
150-H1	483	House	Aluminum	3 / 3	12400	12100	252	12600	10500	12600	95% t-statistic UCL
			Antimony	3 / 3	0.542	0.502	0.0452	0.578	0.483	0.578	95% t-statistic UCL
			Arsenic	3 / 3	4.97	4.72	0.226	5.1	4.26	5.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.813	0.773	0.037	0.835	0.697	0.835	95% t-statistic UCL
			Cadmium	3 / 3	1.07	0.981	0.0796	1.12	0.931	1.12	95% t-statistic UCL
			Chromium	3 / 3	18	17.2	0.723	18.4	15.4	18.4	95% t-statistic UCL
			Cobalt	3 / 3	5.3	5.11	0.175	5.4	4.51	5.4	95% t-statistic UCL
			Iron	3 / 3	16100	15900	208	16300	13600	16300	95% t-statistic UCL
			Lead	3 / 3	49.2	45.1	3.63	45.1	45.1	45.1	Mean
			RBA Adjusted Lead	3 / 3	41.4	37.9	3.05	37.9	37.9	37.9	Mean
			Manganese	3 / 3	276	267	8.08	281	235	281	95% t-statistic UCL
			Nickel	3 / 3	15.8	15.1	0.608	16.1	13.5	16.1	95% t-statistic UCL
			Thallium	3 / 3	0.139	0.135	0.00529	0.144	0.12	0.144	95% t-statistic UCL
			Vanadium	3 / 3	25.8	25.2	0.551	26.1	21.8	26.1	95% t-statistic UCL
151-H1	484	House	Aluminum	3 / 3	16800	16100	643	17200	14300	17200	95% t-statistic UCL
			Antimony	3 / 3	1.22	1.15	0.07	1.27	1.06	1.27	95% t-statistic UCL
			Arsenic	3 / 3	10.9	10.6	0.252	11.1	9.23	11.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.78	1.74	0.0412	1.81	1.51	1.81	95% t-statistic UCL
			Cadmium	3 / 3	3.04	2.8	0.227	3.18	2.66	3.18	95% t-statistic UCL
			Chromium	3 / 3	20.4	19	1.21	21.1	17.6	21.1	95% t-statistic UCL
			Cobalt	3 / 3	6.65	6.27	0.337	6.84	5.71	6.84	95% t-statistic UCL
			Iron	3 / 3	18400	17800	600	18800	15700	18800	95% t-statistic UCL
			Lead	3 / 3	126	120	6.03	120	120	120	Mean
			RBA Adjusted Lead	3 / 3	106	101	5.07	101	101	101	Mean
			Manganese	3 / 3	481	472	13.1	494	413	494	95% t-statistic UCL
			Nickel	3 / 3	19.9	18.7	1.15	20.6	17.2	20.6	95% t-statistic UCL
			Thallium	3 / 3	0.259	0.252	0.00702	0.264	0.221	0.264	95% t-statistic UCL
			Vanadium	3 / 3	30.5	28.7	1.66	31.5	26.3	31.5	95% t-statistic UCL
152-G1	485	Garden	Aluminum	1 / 1	17100	17100	N/A	20500	17100	20500	Result*CF
			Antimony	1 / 1	1.32	1.32	N/A	1.58	1.32	1.58	Result*CF
			Arsenic	1 / 1	8.96	8.96	N/A	10.8	8.98	10.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.39	2.39	N/A	2.86	2.39	2.86	Result*CF
			Cadmium	1 / 1	2.94	2.94	N/A	3.53	2.95	3.53	Result*CF
			Chromium	1 / 1	13	13	N/A	15.6	13	15.6	Result*CF
			Cobalt	1 / 1	5.24	5.24	N/A	6.29	5.25	6.29	Result*CF
			Iron	1 / 1	15900	15900	N/A	19100	15900	19100	Result*CF
			Lead	1 / 1	165	165	N/A	165	165	165	Mean
			RBA Adjusted Lead	1 / 1	114	114	N/A	114	114	114	Mean
			Manganese	1 / 1	438	438	N/A	526	439	526	Result*CF
			Nickel	1 / 1	13	13	N/A	15.6	13	15.6	Result*CF
			Thallium	1 / 1	0.203	0.203	N/A	0.244	0.203	0.244	Result*CF
			Vanadium	1 / 1	25.1	25.1	N/A	30.1	25.2	30.1	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
152-H1	486	House	Aluminum	3 / 3	14000	13600	404	14300	12000	14300	95% t-statistic UCL
			Antimony	3 / 3	2.48	2.29	0.232	2.68	2.24	2.68	95% t-statistic UCL
			Arsenic	3 / 3	16.2	14.2	1.78	17.2	14.3	17.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.65	2.32	0.291	2.81	2.35	2.81	95% t-statistic UCL
			Cadmium	3 / 3	4.52	3.78	0.639	4.86	4.06	4.86	95% t-statistic UCL
			Chromium	3 / 3	19.1	14.7	3.84	21.1	17.7	21.1	95% t-statistic UCL
			Cobalt	3 / 3	7.08	5.75	1.16	7.71	6.44	7.71	95% t-statistic UCL
			Iron	3 / 3	15400	15000	379	15600	13000	15600	95% t-statistic UCL
			Lead	3 / 3	222	197	25	197	197	197	Mean
			RBA Adjusted Lead	3 / 3	187	166	21	166	166	166	Mean
			Manganese	3 / 3	452	421	31.5	474	396	474	95% t-statistic UCL
			Nickel	3 / 3	21.7	16.1	4.83	24.3	20.3	24.3	95% t-statistic UCL
			Thallium	3 / 3	0.289	0.274	0.0168	0.303	0.253	0.303	95% t-statistic UCL
			Vanadium	3 / 3	26.7	23.6	2.89	28.4	23.7	28.4	95% t-statistic UCL
153-G1	487	Garden	Aluminum	1 / 1	18200	18200	N/A	21800	18200	21800	Result*CF
			Antimony	1 / 1	1.83	1.83	N/A	2.2	1.83	2.2	Result*CF
			Arsenic	1 / 1	11.5	11.5	N/A	13.8	11.5	13.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.17	3.17	N/A	3.8	3.18	3.8	Result*CF
			Cadmium	1 / 1	2.8	2.8	N/A	3.36	2.81	3.36	Result*CF
			Chromium	1 / 1	14.9	14.9	N/A	17.9	14.9	17.9	Result*CF
			Cobalt	1 / 1	5.29	5.29	N/A	6.35	5.3	6.35	Result*CF
			Iron	1 / 1	16100	16100	N/A	19300	16100	19300	Result*CF
			Lead	1 / 1	99.2	99.2	N/A	99.2	99.2	99.2	Mean
			RBA Adjusted Lead	1 / 1	106	106	N/A	106	106	106	Mean
			Manganese	1 / 1	688	688	N/A	826	689	826	Result*CF
			Nickel	1 / 1	13.4	13.4	N/A	16.1	13.4	16.1	Result*CF
			Thallium	1 / 1	0.176	0.176	N/A	0.211	0.176	0.211	Result*CF
			Vanadium	1 / 1	24.5	24.5	N/A	29.4	24.5	29.4	Result*CF
153-H1	488	House	Aluminum	1 / 1	18600	18600	N/A	22300	18600	22300	Result*CF
			Antimony	1 / 1	3.56	3.56	N/A	4.27	3.57	4.27	Result*CF
			Arsenic	1 / 1	19.9	19.9	N/A	23.9	19.9	23.9	Result*CF
			RBA Adjusted Arsenic	1 / 1	5.49	5.49	N/A	6.58	5.5	6.58	Result*CF
			Cadmium	1 / 1	8.38	8.38	N/A	10.1	8.4	10.1	Result*CF
			Chromium	1 / 1	18.8	18.8	N/A	22.6	18.8	22.6	Result*CF
			Cobalt	1 / 1	7.28	7.28	N/A	8.74	7.29	8.74	Result*CF
			Iron	1 / 1	17300	17300	N/A	20800	17300	20800	Result*CF
			Lead	1 / 1	265	265	N/A	265	265	265	Mean
			RBA Adjusted Lead	1 / 1	282	282	N/A	282	282	282	Mean
			Manganese	1 / 1	851	851	N/A	1020	853	1020	Result*CF
			Nickel	1 / 1	16.5	16.5	N/A	19.8	16.5	19.8	Result*CF
			Thallium	1 / 1	0.335	0.335	N/A	0.402	0.336	0.402	Result*CF
			Vanadium	1 / 1	29.5	29.5	N/A	35.4	29.6	35.4	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
153-O1	489	Other -Not Specified	Aluminum	3 / 3	27100	26000	1010	27700	23200	27700	95% t-statistic UCL
			Antimony	3 / 3	4.13	3.92	0.226	4.3	3.59	4.3	95% t-statistic UCL
			Arsenic	3 / 3	23.8	23.4	0.404	24.1	20.1	24.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.33	2.29	0.0395	2.36	1.97	2.36	95% t-statistic UCL
			Cadmium	3 / 3	8.27	8.18	0.0819	8.32	6.95	8.32	95% t-statistic UCL
			Chromium	3 / 3	16.4	15.5	1.21	17.5	14.6	17.5	95% t-statistic UCL
			Cobalt	3 / 3	7.37	7.07	0.406	7.76	6.48	7.76	95% t-statistic UCL
			Iron	3 / 3	18400	18000	400	18700	15600	18700	95% t-statistic UCL
			Lead	3 / 3	308	296	13.9	296	296	296	Mean
			RBA Adjusted Lead	3 / 3	231	223	10.4	223	223	223	Mean
			Manganese	3 / 3	1270	1240	25.2	1290	1070	1290	95% t-statistic UCL
			Nickel	3 / 3	15.5	14.7	1.04	16.4	13.7	16.4	95% t-statistic UCL
			Thallium	3 / 3	0.348	0.343	0.00569	0.353	0.295	0.353	95% t-statistic UCL
			Vanadium	3 / 3	30	28.4	1.97	31.7	26.5	31.7	95% t-statistic UCL
153-O2	490	Other -Not Specified	Aluminum	1 / 1	7580	7580	N/A	9100	7600	9100	Result*CF
			Antimony	1 / 1	5.28	5.28	N/A	6.34	5.29	6.34	Result*CF
			Arsenic	1 / 1	11.3	11.3	N/A	13.6	11.3	13.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.73	2.73	N/A	3.28	2.74	3.28	Result*CF
			Cadmium	1 / 1	6.77	6.77	N/A	8.12	6.78	8.12	Result*CF
			Chromium	1 / 1	8.26	8.26	N/A	9.91	8.28	9.91	Result*CF
			Cobalt	1 / 1	2.83	2.83	N/A	3.4	2.84	3.4	Result*CF
			Iron	1 / 1	8810	8810	N/A	10600	8830	10600	Result*CF
			Lead	1 / 1	354	354	N/A	354	354	354	Mean
			RBA Adjusted Lead	1 / 1	373	373	N/A	373	373	373	Mean
			Manganese	1 / 1	666	666	N/A	799	667	799	Result*CF
			Nickel	1 / 1	7.36	7.36	N/A	8.83	7.37	8.83	Result*CF
			Thallium	1 / 1	0.335	0.335	N/A	0.402	0.336	0.402	Result*CF
			Vanadium	1 / 1	13	13	N/A	15.6	13	15.6	Result*CF
153-O3	491	Other -Not Specified	Aluminum	1 / 1	23100	23100	N/A	27700	23100	27700	Result*CF
			Antimony	1 / 1	3.34	3.34	N/A	4.01	3.35	4.01	Result*CF
			Arsenic	1 / 1	17.9	17.9	N/A	21.5	17.9	21.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	4.93	4.93	N/A	5.92	4.94	5.92	Result*CF
			Cadmium	1 / 1	5.26	5.26	N/A	6.31	5.27	6.31	Result*CF
			Chromium	1 / 1	16	16	N/A	19.2	16	19.2	Result*CF
			Cobalt	1 / 1	6.16	6.16	N/A	7.39	6.17	7.39	Result*CF
			Iron	1 / 1	18300	18300	N/A	22000	18300	22000	Result*CF
			Lead	1 / 1	207	207	N/A	207	207	207	Mean
			RBA Adjusted Lead	1 / 1	220	220	N/A	220	220	220	Mean
			Manganese	1 / 1	778	778	N/A	934	780	934	Result*CF
			Nickel	1 / 1	14.7	14.7	N/A	17.6	14.7	17.6	Result*CF
			Thallium	1 / 1	0.285	0.285	N/A	0.342	0.286	0.342	Result*CF
			Vanadium	1 / 1	28.9	28.9	N/A	34.7	29	34.7	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
153-O5	492	Other -Not Specified	Aluminum	1 / 1	17100	17100	N/A	20500	17100	20500	Result*CF
			Antimony	1 / 1	3.63	3.63	N/A	4.36	3.64	4.36	Result*CF
			Arsenic	1 / 1	19.6	19.6	N/A	23.5	19.6	23.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	5.4	5.4	N/A	6.48	5.41	6.48	Result*CF
			Cadmium	1 / 1	6.49	6.49	N/A	7.79	6.5	7.79	Result*CF
			Chromium	1 / 1	15.8	15.8	N/A	19	15.8	19	Result*CF
			Cobalt	1 / 1	5.55	5.55	N/A	6.66	5.56	6.66	Result*CF
			Iron	1 / 1	17100	17100	N/A	20500	17100	20500	Result*CF
			Lead	1 / 1	286	286	N/A	286	286	286	Mean
			RBA Adjusted Lead	1 / 1	305	305	N/A	305	305	305	Mean
			Manganese	1 / 1	907	907	N/A	1090	909	1090	Result*CF
			Nickel	1 / 1	13.7	13.7	N/A	16.4	13.7	16.4	Result*CF
			Thallium	1 / 1	0.327	0.327	N/A	0.392	0.328	0.392	Result*CF
			Vanadium	1 / 1	24.3	24.3	N/A	29.2	24.3	29.2	Result*CF
153-O6	493	Other -Not Specified	Aluminum	1 / 1	22400	22400	N/A	26900	22400	26900	Result*CF
			Antimony	1 / 1	1.79	1.79	N/A	2.15	1.79	2.15	Result*CF
			Arsenic	1 / 1	12.5	12.5	N/A	15	12.5	15	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.45	3.45	N/A	4.13	3.45	4.13	Result*CF
			Cadmium	1 / 1	2.88	2.88	N/A	3.46	2.89	3.46	Result*CF
			Chromium	1 / 1	17.1	17.1	N/A	20.5	17.1	20.5	Result*CF
			Cobalt	1 / 1	6.39	6.39	N/A	7.67	6.4	7.67	Result*CF
			Iron	1 / 1	18700	18700	N/A	22400	18700	22400	Result*CF
			Lead	1 / 1	95.7	95.7	N/A	95.7	95.7	95.7	Mean
			RBA Adjusted Lead	1 / 1	102	102	N/A	102	102	102	Mean
			Manganese	1 / 1	719	719	N/A	863	720	863	Result*CF
			Nickel	1 / 1	15.5	15.5	N/A	18.6	15.5	18.6	Result*CF
			Thallium	1 / 1	0.221	0.221	N/A	0.265	0.221	0.265	Result*CF
			Vanadium	1 / 1	30.9	30.9	N/A	37.1	31	37.1	Result*CF
153-O7	494	Other -Not Specified	Aluminum	1 / 1	19200	19200	N/A	23000	19200	23000	Result*CF
			Antimony	1 / 1	5.09	5.09	N/A	6.11	5.1	6.11	Result*CF
			Arsenic	1 / 1	20.6	20.6	N/A	24.7	20.6	24.7	Result*CF
			RBA Adjusted Arsenic	1 / 1	5.68	5.68	N/A	6.81	5.69	6.81	Result*CF
			Cadmium	1 / 1	9.69	9.69	N/A	11.6	9.71	11.6	Result*CF
			Chromium	1 / 1	15.4	15.4	N/A	18.5	15.4	18.5	Result*CF
			Cobalt	1 / 1	6.09	6.09	N/A	7.31	6.1	7.31	Result*CF
			Iron	1 / 1	16500	16500	N/A	19800	16500	19800	Result*CF
			Lead	1 / 1	339	339	N/A	339	339	339	Mean
			RBA Adjusted Lead	1 / 1	361	361	N/A	361	361	361	Mean
			Manganese	1 / 1	968	968	N/A	1160	970	1160	Result*CF
			Nickel	1 / 1	13.8	13.8	N/A	16.6	13.8	16.6	Result*CF
			Thallium	1 / 1	0.348	0.348	N/A	0.418	0.349	0.418	Result*CF
			Vanadium	1 / 1	26.3	26.3	N/A	31.6	26.4	31.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
153-P1	495	Play Area	Aluminum	1 / 1	21400	21400	N/A	25700	21400	25700	Result*CF
			Antimony	1 / 1	3.8	3.8	N/A	4.56	3.81	4.56	Result*CF
			Arsenic	1 / 1	18.4	18.4	N/A	22.1	18.4	22.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	5.07	5.07	N/A	6.09	5.08	6.09	Result*CF
			Cadmium	1 / 1	7.53	7.53	N/A	9.04	7.55	9.04	Result*CF
			Chromium	1 / 1	17.6	17.6	N/A	21.1	17.6	21.1	Result*CF
			Cobalt	1 / 1	7.42	7.42	N/A	8.9	7.43	8.9	Result*CF
			Iron	1 / 1	17600	17600	N/A	21100	17600	21100	Result*CF
			Lead	1 / 1	263	263	N/A	263	263	263	Mean
			RBA Adjusted Lead	1 / 1	280	280	N/A	280	280	280	Mean
			Manganese	1 / 1	954	954	N/A	1140	956	1140	Result*CF
			Nickel	1 / 1	15.4	15.4	N/A	18.5	15.4	18.5	Result*CF
			Thallium	1 / 1	0.414	0.414	N/A	0.497	0.415	0.497	Result*CF
			Vanadium	1 / 1	29	29	N/A	34.8	29.1	34.8	Result*CF
154-G1	496	Garden	Aluminum	1 / 1	12100	12100	N/A	14500	12100	14500	Result*CF
			Antimony	1 / 1	0.34	0.34	N/A	0.408	0.341	0.408	Result*CF
			Arsenic	1 / 1	4.05	4.05	N/A	4.86	4.06	4.86	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.663	0.663	N/A	0.795	0.664	0.795	Result*CF
			Cadmium	1 / 1	0.721	0.721	N/A	0.865	0.722	0.865	Result*CF
			Chromium	1 / 1	20.7	20.7	N/A	24.8	20.7	24.8	Result*CF
			Cobalt	1 / 1	6.38	6.38	N/A	7.66	6.39	7.66	Result*CF
			Iron	1 / 1	17600	17600	N/A	21100	17600	21100	Result*CF
			Lead	1 / 1	25.4	25.4	N/A	25.4	25.4	25.4	Mean
			RBA Adjusted Lead	1 / 1	21.4	21.4	N/A	21.4	21.4	21.4	Mean
			Manganese	1 / 1	369	369	N/A	443	370	443	Result*CF
			Nickel	1 / 1	17.1	17.1	N/A	20.5	17.1	20.5	Result*CF
			Thallium	1 / 1	0.146	0.146	N/A	0.175	0.146	0.175	Result*CF
			Vanadium	1 / 1	29.6	29.6	N/A	35.5	29.7	35.5	Result*CF
154-H1	497	House	Aluminum	3 / 3	8420	8200	220	8570	7150	8570	95% t-statistic UCL
			Antimony	3 / 3	0.89	0.859	0.0305	0.91	0.76	0.91	95% t-statistic UCL
			Arsenic	3 / 3	4.24	3.95	0.312	4.48	3.74	4.48	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.694	0.647	0.0511	0.733	0.612	0.733	95% t-statistic UCL
			Cadmium	3 / 3	0.952	0.882	0.0754	1.01	0.842	1.01	95% t-statistic UCL
			Chromium	3 / 3	21.5	20	1.89	23.2	19.4	23.2	95% t-statistic UCL
			Cobalt	3 / 3	6.5	6.05	0.495	6.88	5.75	6.88	95% t-statistic UCL
			Iron	3 / 3	15400	15200	208	15600	13000	15600	95% t-statistic UCL
			Lead	3 / 3	30	25.9	3.63	25.9	25.9	25.9	Mean
			RBA Adjusted Lead	3 / 3	25.2	21.8	3.05	21.8	21.8	21.8	Mean
			Manganese	3 / 3	328	325	4.16	332	277	332	95% t-statistic UCL
			Nickel	3 / 3	17.6	16.6	1.31	18.8	15.7	18.8	95% t-statistic UCL
			Thallium	3 / 3	0.156	0.141	0.0133	0.164	0.137	0.164	95% t-statistic UCL
			Vanadium	3 / 3	30.3	28.8	2.24	32.5	27.2	32.5	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
155-G1	498	Garden	Aluminum	1 / 1	14800	14800	N/A	17800	14800	17800	Result*CF
			Antimony	1 / 1	2.48	2.48	N/A	2.98	2.48	2.98	Result*CF
			Arsenic	1 / 1	15.1	15.1	N/A	18.1	15.1	18.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.47	2.47	N/A	2.97	2.48	2.97	Result*CF
			Cadmium	1 / 1	3.83	3.83	N/A	4.6	3.84	4.6	Result*CF
			Chromium	1 / 1	14.8	14.8	N/A	17.8	14.8	17.8	Result*CF
			Cobalt	1 / 1	5.58	5.58	N/A	6.7	5.59	6.7	Result*CF
			Iron	1 / 1	13200	13200	N/A	15800	13200	15800	Result*CF
			Lead	1 / 1	166	166	N/A	166	166	166	Mean
			RBA Adjusted Lead	1 / 1	140	140	N/A	140	140	140	Mean
			Manganese	1 / 1	501	501	N/A	601	502	601	Result*CF
			Nickel	1 / 1	12.7	12.7	N/A	15.2	12.7	15.2	Result*CF
			Thallium	1 / 1	0.221	0.221	N/A	0.265	0.221	0.265	Result*CF
			Vanadium	1 / 1	22.1	22.1	N/A	26.5	22.1	26.5	Result*CF
155-G2	499	Garden	Aluminum	1 / 1	10300	10300	N/A	12400	10300	12400	Result*CF
			Antimony	1 / 1	1.46	1.46	N/A	1.75	1.46	1.75	Result*CF
			Arsenic	1 / 1	8.52	8.52	N/A	10.2	8.54	10.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.39	1.39	N/A	1.67	1.4	1.67	Result*CF
			Cadmium	1 / 1	2.29	2.29	N/A	2.75	2.29	2.75	Result*CF
			Chromium	1 / 1	17.7	17.7	N/A	21.2	17.7	21.2	Result*CF
			Cobalt	1 / 1	5.58	5.58	N/A	6.7	5.59	6.7	Result*CF
			Iron	1 / 1	15000	15000	N/A	18000	15000	18000	Result*CF
			Lead	1 / 1	109	109	N/A	109	109	109	Mean
			RBA Adjusted Lead	1 / 1	91.7	91.7	N/A	91.7	91.7	91.7	Mean
			Manganese	1 / 1	366	366	N/A	439	367	439	Result*CF
			Nickel	1 / 1	14.5	14.5	N/A	17.4	14.5	17.4	Result*CF
			Thallium	1 / 1	0.196	0.196	N/A	0.235	0.196	0.235	Result*CF
			Vanadium	1 / 1	24.4	24.4	N/A	29.3	24.4	29.3	Result*CF
155-H1	500	House	Aluminum	1 / 1	10600	10600	N/A	12700	10600	12700	Result*CF
			Antimony	1 / 1	0.892	0.892	N/A	1.07	0.894	1.07	Result*CF
			Arsenic	1 / 1	6.21	6.21	N/A	7.45	6.22	7.45	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.02	1.02	N/A	1.22	1.02	1.22	Result*CF
			Cadmium	1 / 1	1.31	1.31	N/A	1.57	1.31	1.57	Result*CF
			Chromium	1 / 1	18.2	18.2	N/A	21.8	18.2	21.8	Result*CF
			Cobalt	1 / 1	5.61	5.61	N/A	6.73	5.62	6.73	Result*CF
			Iron	1 / 1	13400	13400	N/A	16100	13400	16100	Result*CF
			Lead	1 / 1	62.3	62.3	N/A	62.3	62.3	62.3	Mean
			RBA Adjusted Lead	1 / 1	52.4	52.4	N/A	52.4	52.4	52.4	Mean
			Manganese	1 / 1	278	278	N/A	334	279	334	Result*CF
			Nickel	1 / 1	14.4	14.4	N/A	17.3	14.4	17.3	Result*CF
			Thallium	1 / 1	0.212	0.212	N/A	0.254	0.212	0.254	Result*CF
			Vanadium	1 / 1	27.6	27.6	N/A	33.1	27.7	33.1	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
155-H2	501	House	Aluminum	1 / 1	12600	12600	N/A	15100	12600	15100	Result*CF
			Antimony	1 / 1	2.28	2.28	N/A	2.74	2.28	2.74	Result*CF
			Arsenic	1 / 1	11.1	11.1	N/A	13.3	11.1	13.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.82	1.82	N/A	2.18	1.82	2.18	Result*CF
			Cadmium	1 / 1	3.08	3.08	N/A	3.7	3.09	3.7	Result*CF
			Chromium	1 / 1	14.6	14.6	N/A	17.5	14.6	17.5	Result*CF
			Cobalt	1 / 1	4.49	4.49	N/A	5.39	4.5	5.39	Result*CF
			Iron	1 / 1	13200	13200	N/A	15800	13200	15800	Result*CF
			Lead	1 / 1	200	200	N/A	200	200	200	Mean
			RBA Adjusted Lead	1 / 1	168	168	N/A	168	168	168	Mean
			Manganese	1 / 1	367	367	N/A	440	368	440	Result*CF
			Nickel	1 / 1	12.2	12.2	N/A	14.6	12.2	14.6	Result*CF
			Thallium	1 / 1	0.275	0.275	N/A	0.33	0.276	0.33	Result*CF
			Vanadium	1 / 1	20.7	20.7	N/A	24.8	20.7	24.8	Result*CF
155-O2	502	Other -Not Specified	Aluminum	3 / 3	12800	12500	252	13000	10800	13000	95% t-statistic UCL
			Antimony	3 / 3	4.96	4.69	0.252	5.12	4.27	5.12	95% t-statistic UCL
			Arsenic	3 / 3	16.7	14.6	2.21	18.4	15.3	18.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.73	2.4	0.362	3.01	2.51	3.01	95% t-statistic UCL
			Cadmium	3 / 3	6.26	5.56	0.609	6.58	5.5	6.58	95% t-statistic UCL
			Chromium	3 / 3	15.2	14.3	0.757	15.6	13	15.6	95% t-statistic UCL
			Cobalt	3 / 3	5.14	4.74	0.367	5.36	4.47	5.36	95% t-statistic UCL
			Iron	3 / 3	14000	13900	115	14100	11700	14100	95% t-statistic UCL
			Lead	3 / 3	349	322	23.4	322	322	322	Mean
			RBA Adjusted Lead	3 / 3	294	271	19.7	271	271	271	Mean
			Manganese	3 / 3	557	496	54.5	587	491	587	95% t-statistic UCL
			Nickel	3 / 3	11.8	11.2	0.493	12.1	10.1	12.1	95% t-statistic UCL
			Thallium	3 / 3	0.325	0.289	0.0339	0.346	0.289	0.346	95% t-statistic UCL
			Vanadium	3 / 3	21.8	20.8	0.85	22.3	18.6	22.3	95% t-statistic UCL
156-H1	503	House	Aluminum	1 / 1	12300	12300	N/A	14800	12300	14800	Result*CF
			Antimony	1 / 1	1.35	1.35	N/A	1.62	1.35	1.62	Result*CF
			Arsenic	1 / 1	7.89	7.89	N/A	9.47	7.91	9.47	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.29	1.29	N/A	1.55	1.29	1.55	Result*CF
			Cadmium	1 / 1	1.95	1.95	N/A	2.34	1.95	2.34	Result*CF
			Chromium	1 / 1	17.8	17.8	N/A	21.4	17.8	21.4	Result*CF
			Cobalt	1 / 1	5.27	5.27	N/A	6.32	5.28	6.32	Result*CF
			Iron	1 / 1	16700	16700	N/A	20000	16700	20000	Result*CF
			Lead	1 / 1	97.1	97.1	N/A	97.1	97.1	97.1	Mean
			RBA Adjusted Lead	1 / 1	81.7	81.7	N/A	81.7	81.7	81.7	Mean
			Manganese	1 / 1	446	446	N/A	535	447	535	Result*CF
			Nickel	1 / 1	13.9	13.9	N/A	16.7	13.9	16.7	Result*CF
			Thallium	1 / 1	0.183	0.183	N/A	0.22	0.183	0.22	Result*CF
			Vanadium	1 / 1	25	25	N/A	30	25.1	30	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
156-O1	504	Other -Not Specified	Aluminum	3 / 3	10800	10800	57.7	10900	9070	10900	95% t-statistic UCL
			Antimony	3 / 3	2.84	2.52	0.336	3.09	2.58	3.09	95% t-statistic UCL
			Arsenic	3 / 3	12.4	10.9	1.83	14	11.7	14	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.03	1.79	0.3	2.29	1.92	2.29	95% t-statistic UCL
			Cadmium	3 / 3	3.63	3.26	0.559	4.21	3.51	4.21	95% t-statistic UCL
			Chromium	3 / 3	16.2	15.8	0.404	16.5	13.8	16.5	95% t-statistic UCL
			Cobalt	3 / 3	4.65	4.55	0.148	4.8	4.01	4.8	95% t-statistic UCL
			Iron	3 / 3	15000	14800	153	15100	12600	15100	95% t-statistic UCL
			Lead	3 / 3	202	173	26.8	173	173	173	Mean
			RBA Adjusted Lead	3 / 3	170	146	22.5	146	146	146	Mean
			Manganese	3 / 3	517	502	14.1	526	439	526	95% t-statistic UCL
			Nickel	3 / 3	12.1	12	0.231	12.4	10.3	12.4	95% t-statistic UCL
			Thallium	3 / 3	0.261	0.255	0.00896	0.27	0.226	0.27	95% t-statistic UCL
			Vanadium	3 / 3	22.9	22.5	0.751	23.7	19.8	23.7	95% t-statistic UCL
157-G1	507	Garden	Aluminum	1 / 1	8160	8160	N/A	9790	8180	9790	Result*CF
			Antimony	1 / 1	0.7	0.7	N/A	0.84	0.701	0.84	Result*CF
			Arsenic	1 / 1	6.29	6.29	N/A	7.55	6.3	7.55	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.03	1.03	N/A	1.24	1.03	1.24	Result*CF
			Cadmium	1 / 1	1.28	1.28	N/A	1.54	1.28	1.54	Result*CF
			Chromium	1 / 1	19	19	N/A	22.8	19	22.8	Result*CF
			Cobalt	1 / 1	5.97	5.97	N/A	7.16	5.98	7.16	Result*CF
			Iron	1 / 1	15800	15800	N/A	19000	15800	19000	Result*CF
			Lead	1 / 1	49.5	49.5	N/A	49.5	49.5	49.5	Mean
			RBA Adjusted Lead	1 / 1	41.6	41.6	N/A	41.6	41.6	41.6	Mean
			Manganese	1 / 1	316	316	N/A	379	317	379	Result*CF
			Nickel	1 / 1	14.9	14.9	N/A	17.9	14.9	17.9	Result*CF
			Thallium	1 / 1	0.163	0.163	N/A	0.196	0.163	0.196	Result*CF
			Vanadium	1 / 1	29.1	29.1	N/A	34.9	29.2	34.9	Result*CF
157-H1	508	House	Aluminum	1 / 1	7280	7280	N/A	8740	7290	8740	Result*CF
			Antimony	1 / 1	1.38	1.38	N/A	1.66	1.38	1.66	Result*CF
			Arsenic	1 / 1	8.93	8.93	N/A	10.7	8.95	10.7	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.46	1.46	N/A	1.75	1.46	1.75	Result*CF
			Cadmium	1 / 1	2.75	2.75	N/A	3.3	2.76	3.3	Result*CF
			Chromium	1 / 1	18.8	18.8	N/A	22.6	18.8	22.6	Result*CF
			Cobalt	1 / 1	5.85	5.85	N/A	7.02	5.86	7.02	Result*CF
			Iron	1 / 1	14500	14500	N/A	17400	14500	17400	Result*CF
			Lead	1 / 1	110	110	N/A	110	110	110	Mean
			RBA Adjusted Lead	1 / 1	92.5	92.5	N/A	92.5	92.5	92.5	Mean
			Manganese	1 / 1	299	299	N/A	359	300	359	Result*CF
			Nickel	1 / 1	15.1	15.1	N/A	18.1	15.1	18.1	Result*CF
			Thallium	1 / 1	0.235	0.235	N/A	0.282	0.235	0.282	Result*CF
			Vanadium	1 / 1	29.1	29.1	N/A	34.9	29.2	34.9	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
157-H2	509	House	Aluminum	1 / 1	7290	7290	N/A	8750	7300	8750	Result*CF
			Antimony	1 / 1	0.886	0.886	N/A	1.06	0.888	1.06	Result*CF
			Arsenic	1 / 1	6.85	6.85	N/A	8.22	6.86	8.22	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.12	1.12	N/A	1.35	1.12	1.35	Result*CF
			Cadmium	1 / 1	1.75	1.75	N/A	2.1	1.75	2.1	Result*CF
			Chromium	1 / 1	17.1	17.1	N/A	20.5	17.1	20.5	Result*CF
			Cobalt	1 / 1	5.36	5.36	N/A	6.43	5.37	6.43	Result*CF
			Iron	1 / 1	14400	14400	N/A	17300	14400	17300	Result*CF
			Lead	1 / 1	75	75	N/A	75	75	75	Mean
			RBA Adjusted Lead	1 / 1	63.1	63.1	N/A	63.1	63.1	63.1	Mean
			Manganese	1 / 1	294	294	N/A	353	295	353	Result*CF
			Nickel	1 / 1	13.8	13.8	N/A	16.6	13.8	16.6	Result*CF
			Thallium	1 / 1	0.175	0.175	N/A	0.21	0.175	0.21	Result*CF
			Vanadium	1 / 1	26.4	26.4	N/A	31.7	26.5	31.7	Result*CF
157-O1	510	Other -Not Specified	Aluminum	3 / 3	7210	7120	108	7300	6100	7300	95% t-statistic UCL
			Antimony	3 / 3	1.11	1.01	0.0963	1.17	0.978	1.17	95% t-statistic UCL
			Arsenic	3 / 3	7.53	7.09	0.387	7.74	6.46	7.74	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.23	1.16	0.0633	1.27	1.06	1.27	95% t-statistic UCL
			Cadmium	3 / 3	2.06	1.95	0.106	2.13	1.77	2.13	95% t-statistic UCL
			Chromium	3 / 3	17.9	17.6	0.351	18.2	15.2	18.2	95% t-statistic UCL
			Cobalt	3 / 3	5.5	5.35	0.162	5.63	4.7	5.63	95% t-statistic UCL
			Iron	3 / 3	14100	13900	208	14300	11900	14300	95% t-statistic UCL
			Lead	3 / 3	84.8	79.8	4.78	79.8	79.8	79.8	Mean
			RBA Adjusted Lead	3 / 3	71.3	67.1	4.02	67.1	67.1	67.1	Mean
			Manganese	3 / 3	284	278	7.94	291	243	291	95% t-statistic UCL
			Nickel	3 / 3	14.2	14	0.153	14.3	11.9	14.3	95% t-statistic UCL
			Thallium	3 / 3	0.189	0.187	0.00252	0.191	0.159	0.191	95% t-statistic UCL
			Vanadium	3 / 3	27.5	27	0.436	27.7	23.2	27.7	95% t-statistic UCL
158-H1	511	House	Aluminum	3 / 3	8680	8640	75.1	8760	7320	8760	95% t-statistic UCL
			Antimony	3 / 3	0.554	0.522	0.0286	0.57	0.476	0.57	95% t-statistic UCL
			Arsenic	3 / 3	6.29	5.96	0.287	6.44	5.38	6.44	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.03	0.976	0.047	1.05	0.881	1.05	95% t-statistic UCL
			Cadmium	3 / 3	1.02	0.918	0.101	1.09	0.908	1.09	95% t-statistic UCL
			Chromium	3 / 3	19	18.6	0.451	19.3	16.1	19.3	95% t-statistic UCL
			Cobalt	3 / 3	5.91	5.85	0.0721	5.97	4.99	5.97	95% t-statistic UCL
			Iron	3 / 3	16400	16200	208	16600	13800	16600	95% t-statistic UCL
			Lead	3 / 3	43.3	40.2	3	40.2	40.2	40.2	Mean
			RBA Adjusted Lead	3 / 3	36.4	33.8	2.53	33.8	33.8	33.8	Mean
			Manganese	3 / 3	300	294	8.96	309	258	309	95% t-statistic UCL
			Nickel	3 / 3	16.6	16.3	0.306	16.8	14.1	16.8	95% t-statistic UCL
			Thallium	3 / 3	0.162	0.158	0.004	0.165	0.138	0.165	95% t-statistic UCL
			Vanadium	3 / 3	26.2	26.1	0.115	26.3	22	26.3	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
158-O1	512	Other -Not Specified	Aluminum	1 / 1	9730	9730	N/A	11700	9750	11700	Result*CF
			Antimony	1 / 1	0.681	0.681	N/A	0.817	0.682	0.817	Result*CF
			Arsenic	1 / 1	4.46	4.46	N/A	5.35	4.47	5.35	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.73	0.73	N/A	0.876	0.731	0.876	Result*CF
			Cadmium	1 / 1	0.95	0.95	N/A	1.14	0.952	1.14	Result*CF
			Chromium	1 / 1	18.3	18.3	N/A	22	18.3	22	Result*CF
			Cobalt	1 / 1	5.26	5.26	N/A	6.31	5.27	6.31	Result*CF
			Iron	1 / 1	14800	14800	N/A	17800	14800	17800	Result*CF
			Lead	1 / 1	60.8	60.8	N/A	60.8	60.8	60.8	Mean
			RBA Adjusted Lead	1 / 1	51.2	51.2	N/A	51.2	51.2	51.2	Mean
			Manganese	1 / 1	253	253	N/A	304	254	304	Result*CF
			Nickel	1 / 1	13.5	13.5	N/A	16.2	13.5	16.2	Result*CF
			Thallium	1 / 1	0.175	0.175	N/A	0.21	0.175	0.21	Result*CF
			Vanadium	1 / 1	27.2	27.2	N/A	32.6	27.3	32.6	Result*CF
159-G1	513	Garden	Aluminum	1 / 1	11200	11200	N/A	13400	11200	13400	Result*CF
			Antimony	1 / 1	0.833	0.833	N/A	1	0.835	1	Result*CF
			Arsenic	1 / 1	9.13	9.13	N/A	11	9.15	11	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.49	1.49	N/A	1.79	1.5	1.79	Result*CF
			Cadmium	1 / 1	1.81	1.81	N/A	2.17	1.81	2.17	Result*CF
			Chromium	1 / 1	14	14	N/A	16.8	14	16.8	Result*CF
			Cobalt	1 / 1	4.5	4.5	N/A	5.4	4.51	5.4	Result*CF
			Iron	1 / 1	13800	13800	N/A	16600	13800	16600	Result*CF
			Lead	1 / 1	83.6	83.6	N/A	83.6	83.6	83.6	Mean
			RBA Adjusted Lead	1 / 1	70.3	70.3	N/A	70.3	70.3	70.3	Mean
			Manganese	1 / 1	364	364	N/A	437	365	437	Result*CF
			Nickel	1 / 1	11.9	11.9	N/A	14.3	11.9	14.3	Result*CF
			Thallium	1 / 1	0.151	0.151	N/A	0.181	0.151	0.181	Result*CF
			Vanadium	1 / 1	22.3	22.3	N/A	26.8	22.3	26.8	Result*CF
159-H1	514	House	Aluminum	3 / 3	8980	8620	327	9170	7660	9170	95% t-statistic UCL
			Antimony	3 / 3	0.686	0.62	0.0605	0.722	0.603	0.722	95% t-statistic UCL
			Arsenic	3 / 3	8.68	7.8	0.775	9.1	7.6	9.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.42	1.28	0.127	1.49	1.24	1.49	95% t-statistic UCL
			Cadmium	3 / 3	1.63	1.47	0.155	1.73	1.45	1.73	95% t-statistic UCL
			Chromium	3 / 3	13.5	13	0.416	13.7	11.5	13.7	95% t-statistic UCL
			Cobalt	3 / 3	4.35	4.27	0.0755	4.4	3.67	4.4	95% t-statistic UCL
			Iron	3 / 3	12800	12500	306	13000	10800	13000	95% t-statistic UCL
			Lead	3 / 3	77.1	70.9	5.44	70.9	70.9	70.9	Mean
			RBA Adjusted Lead	3 / 3	64.9	59.6	4.57	59.6	59.6	59.6	Mean
			Manganese	3 / 3	281	270	15.7	296	248	296	95% t-statistic UCL
			Nickel	3 / 3	11.4	11	0.321	11.6	9.67	11.6	95% t-statistic UCL
			Thallium	3 / 3	0.146	0.133	0.0117	0.152	0.127	0.152	95% t-statistic UCL
			Vanadium	3 / 3	21.2	20.5	0.586	21.5	18	21.5	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
159-H2	515	House	Aluminum	1 / 1	10500	10500	N/A	12600	10500	12600	Result*CF
			Antimony	1 / 1	1.28	1.28	N/A	1.54	1.28	1.54	Result*CF
			Arsenic	1 / 1	12.3	12.3	N/A	14.8	12.3	14.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.01	2.01	N/A	2.42	2.02	2.42	Result*CF
			Cadmium	1 / 1	2.61	2.61	N/A	3.13	2.62	3.13	Result*CF
			Chromium	1 / 1	13.5	13.5	N/A	16.2	13.5	16.2	Result*CF
			Cobalt	1 / 1	4.44	4.44	N/A	5.33	4.45	5.33	Result*CF
			Iron	1 / 1	13100	13100	N/A	15700	13100	15700	Result*CF
			Lead	1 / 1	120	120	N/A	120	120	120	Mean
			RBA Adjusted Lead	1 / 1	101	101	N/A	101	101	101	Mean
			Manganese	1 / 1	364	364	N/A	437	365	437	Result*CF
			Nickel	1 / 1	12	12	N/A	14.4	12	14.4	Result*CF
			Thallium	1 / 1	0.175	0.175	N/A	0.21	0.175	0.21	Result*CF
			Vanadium	1 / 1	20.2	20.2	N/A	24.2	20.2	24.2	Result*CF
159-O1	516	Other -Not Specified	Aluminum	1 / 1	10300	10300	N/A	12400	10300	12400	Result*CF
			Antimony	1 / 1	0.534	0.534	N/A	0.641	0.535	0.641	Result*CF
			Arsenic	1 / 1	6.37	6.37	N/A	7.64	6.38	7.64	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.04	1.04	N/A	1.25	1.04	1.25	Result*CF
			Cadmium	1 / 1	1.3	1.3	N/A	1.56	1.3	1.56	Result*CF
			Chromium	1 / 1	13.3	13.3	N/A	16	13.3	16	Result*CF
			Cobalt	1 / 1	4.46	4.46	N/A	5.35	4.47	5.35	Result*CF
			Iron	1 / 1	13400	13400	N/A	16100	13400	16100	Result*CF
			Lead	1 / 1	52.6	52.6	N/A	52.6	52.6	52.6	Mean
			RBA Adjusted Lead	1 / 1	44.3	44.3	N/A	44.3	44.3	44.3	Mean
			Manganese	1 / 1	292	292	N/A	350	293	350	Result*CF
			Nickel	1 / 1	11.7	11.7	N/A	14	11.7	14	Result*CF
			Thallium	1 / 1	0.134	0.134	N/A	0.161	0.134	0.161	Result*CF
			Vanadium	1 / 1	20	20	N/A	24	20	24	Result*CF
159-O2	517	Other -Not Specified	Aluminum	1 / 1	9630	9630	N/A	11600	9650	11600	Result*CF
			Antimony	1 / 1	0.594	0.594	N/A	0.713	0.595	0.713	Result*CF
			Arsenic	1 / 1	6.41	6.41	N/A	7.69	6.42	7.69	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.05	1.05	N/A	1.26	1.05	1.26	Result*CF
			Cadmium	1 / 1	1.46	1.46	N/A	1.75	1.46	1.75	Result*CF
			Chromium	1 / 1	13.9	13.9	N/A	16.7	13.9	16.7	Result*CF
			Cobalt	1 / 1	4.46	4.46	N/A	5.35	4.47	5.35	Result*CF
			Iron	1 / 1	13100	13100	N/A	15700	13100	15700	Result*CF
			Lead	1 / 1	60.9	60.9	N/A	60.9	60.9	60.9	Mean
			RBA Adjusted Lead	1 / 1	51.2	51.2	N/A	51.2	51.2	51.2	Mean
			Manganese	1 / 1	285	285	N/A	342	286	342	Result*CF
			Nickel	1 / 1	12	12	N/A	14.4	12	14.4	Result*CF
			Thallium	1 / 1	0.131	0.131	N/A	0.157	0.131	0.157	Result*CF
			Vanadium	1 / 1	20.8	20.8	N/A	25	20.8	25	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
160-G1	518	Garden	Aluminum	3 / 3	15600	15300	361	15900	13300	15900	95% t-statistic UCL
			Antimony	3 / 3	1.18	1.16	0.0208	1.19	0.995	1.19	95% t-statistic UCL
			Arsenic	3 / 3	12.2	11.9	0.306	12.4	10.4	12.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2	1.95	0.05	2.04	1.7	2.04	95% t-statistic UCL
			Cadmium	3 / 3	3.39	3.29	0.125	3.5	2.92	3.5	95% t-statistic UCL
			Chromium	3 / 3	16.9	16.3	0.794	17.6	14.7	17.6	95% t-statistic UCL
			Cobalt	3 / 3	5.48	5.31	0.242	5.71	4.77	5.71	95% t-statistic UCL
			Iron	3 / 3	14900	14700	208	15000	12500	15000	95% t-statistic UCL
			Lead	3 / 3	158	155	4.36	155	155	155	Mean
			RBA Adjusted Lead	3 / 3	133	130	3.67	130	130	130	Mean
			Manganese	3 / 3	488	476	11.5	495	414	495	95% t-statistic UCL
			Nickel	3 / 3	13.2	12.7	0.7	13.9	11.6	13.9	95% t-statistic UCL
			Thallium	3 / 3	0.182	0.178	0.00451	0.185	0.155	0.185	95% t-statistic UCL
			Vanadium	3 / 3	25	24	1.12	25.9	21.7	25.9	95% t-statistic UCL
160-H1	519	House	Aluminum	1 / 1	13900	13900	N/A	16700	13900	16700	Result*CF
			Antimony	1 / 1	0.634	0.634	N/A	0.761	0.635	0.761	Result*CF
			Arsenic	1 / 1	8.77	8.77	N/A	10.5	8.79	10.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.44	1.44	N/A	1.72	1.44	1.72	Result*CF
			Cadmium	1 / 1	1.63	1.63	N/A	1.96	1.63	1.96	Result*CF
			Chromium	1 / 1	16.6	16.6	N/A	19.9	16.6	19.9	Result*CF
			Cobalt	1 / 1	5.24	5.24	N/A	6.29	5.25	6.29	Result*CF
			Iron	1 / 1	15200	15200	N/A	18200	15200	18200	Result*CF
			Lead	1 / 1	95.4	95.4	N/A	95.4	95.4	95.4	Mean
			RBA Adjusted Lead	1 / 1	80.3	80.3	N/A	80.3	80.3	80.3	Mean
			Manganese	1 / 1	376	376	N/A	451	377	451	Result*CF
			Nickel	1 / 1	12.6	12.6	N/A	15.1	12.6	15.1	Result*CF
			Thallium	1 / 1	0.149	0.149	N/A	0.179	0.149	0.179	Result*CF
			Vanadium	1 / 1	27.5	27.5	N/A	33	27.6	33	Result*CF
160-H2	520	House	Aluminum	1 / 1	13500	13500	N/A	16200	13500	16200	Result*CF
			Antimony	1 / 1	0.561	0.561	N/A	0.673	0.562	0.673	Result*CF
			Arsenic	1 / 1	7.77	7.77	N/A	9.32	7.79	9.32	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.27	1.27	N/A	1.53	1.27	1.53	Result*CF
			Cadmium	1 / 1	1.27	1.27	N/A	1.52	1.27	1.52	Result*CF
			Chromium	1 / 1	18.3	18.3	N/A	22	18.3	22	Result*CF
			Cobalt	1 / 1	5.77	5.77	N/A	6.92	5.78	6.92	Result*CF
			Iron	1 / 1	16000	16000	N/A	19200	16000	19200	Result*CF
			Lead	1 / 1	89.2	89.2	N/A	89.2	89.2	89.2	Mean
			RBA Adjusted Lead	1 / 1	75	75	N/A	75	75	75	Mean
			Manganese	1 / 1	343	343	N/A	412	344	412	Result*CF
			Nickel	1 / 1	13.4	13.4	N/A	16.1	13.4	16.1	Result*CF
			Thallium	1 / 1	0.138	0.138	N/A	0.166	0.138	0.166	Result*CF
			Vanadium	1 / 1	30.5	30.5	N/A	36.6	30.6	36.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
161-H1	522	House	Aluminum	1 / 1	11500	11500	N/A	13800	11500	13800	Result*CF
			Antimony	1 / 1	1.33	1.33	N/A	1.6	1.33	1.6	Result*CF
			Arsenic	1 / 1	11.9	11.9	N/A	14.3	11.9	14.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.95	1.95	N/A	2.34	1.95	2.34	Result*CF
			Cadmium	1 / 1	3.52	3.52	N/A	4.22	3.53	4.22	Result*CF
			Chromium	1 / 1	17.6	17.6	N/A	21.1	17.6	21.1	Result*CF
			Cobalt	1 / 1	5.34	5.34	N/A	6.41	5.35	6.41	Result*CF
			Iron	1 / 1	14800	14800	N/A	17800	14800	17800	Result*CF
			Lead	1 / 1	154	154	N/A	154	154	154	Mean
			RBA Adjusted Lead	1 / 1	130	130	N/A	130	130	130	Mean
			Manganese	1 / 1	429	429	N/A	515	430	515	Result*CF
			Nickel	1 / 1	13.7	13.7	N/A	16.4	13.7	16.4	Result*CF
			Thallium	1 / 1	0.207	0.207	N/A	0.248	0.207	0.248	Result*CF
			Vanadium	1 / 1	26.7	26.7	N/A	32	26.8	32	Result*CF
161-N1	523	Animal Activity Area	Aluminum	3 / 3	10300	10300	57.7	10400	8650	10400	95% t-statistic UCL
			Antimony	3 / 3	1.01	0.979	0.0267	1.02	0.855	1.02	95% t-statistic UCL
			Arsenic	3 / 3	9.15	8.73	0.406	9.41	7.86	9.41	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.5	1.43	0.0665	1.54	1.29	1.54	95% t-statistic UCL
			Cadmium	3 / 3	2.91	2.8	0.0945	2.96	2.47	2.96	95% t-statistic UCL
			Chromium	3 / 3	16.9	16.4	0.611	17.4	14.5	17.4	95% t-statistic UCL
			Cobalt	3 / 3	5.29	5.04	0.223	5.41	4.52	5.41	95% t-statistic UCL
			Iron	3 / 3	13700	13300	321	13900	11600	13900	95% t-statistic UCL
			Lead	3 / 3	126	120	5.51	120	120	120	Mean
			RBA Adjusted Lead	3 / 3	106	101	4.63	101	101	101	Mean
			Manganese	3 / 3	360	348	10.8	366	306	366	95% t-statistic UCL
			Nickel	3 / 3	13.1	12.6	0.503	13.5	11.3	13.5	95% t-statistic UCL
			Thallium	3 / 3	0.188	0.186	0.00173	0.189	0.158	0.189	95% t-statistic UCL
			Vanadium	3 / 3	23.9	22.8	1.21	24.8	20.7	24.8	95% t-statistic UCL
162-H1	524	House	Aluminum	3 / 3	6930	6830	127	7050	5880	7050	95% t-statistic UCL
			Antimony	3 / 3	1.81	1.51	0.261	1.95	1.63	1.95	95% t-statistic UCL
			Arsenic	3 / 3	5.92	5.78	0.215	6.14	5.13	6.14	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.969	0.946	0.0351	1	0.839	1	95% t-statistic UCL
			Cadmium	3 / 3	2.31	2.24	0.0608	2.34	1.96	2.34	95% t-statistic UCL
			Chromium	3 / 3	15.5	14.7	0.721	15.9	13.3	15.9	95% t-statistic UCL
			Cobalt	3 / 3	4.43	4.14	0.257	4.57	3.82	4.57	95% t-statistic UCL
			Iron	3 / 3	14100	13600	503	14400	12000	14400	95% t-statistic UCL
			Lead	3 / 3	113	96	15.2	96	96	96	Mean
			RBA Adjusted Lead	3 / 3	95.1	80.7	12.8	80.7	80.7	80.7	Mean
			Manganese	3 / 3	238	232	5.57	241	202	241	95% t-statistic UCL
			Nickel	3 / 3	9.87	9.37	0.445	10.1	8.45	10.1	95% t-statistic UCL
			Thallium	3 / 3	0.156	0.152	0.00551	0.162	0.135	0.162	95% t-statistic UCL
			Vanadium	3 / 3	26.1	24.6	1.33	26.8	22.4	26.8	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
163G	153	Garden	Aluminum	1 / 1	14600	14600	N/A	17500	14600	17500	Result*CF
			Antimony	1 / 1	1.62	1.62	N/A	1.94	1.62	1.94	Result*CF
			Arsenic	1 / 1	18.1	18.1	N/A	21.7	18.1	21.7	Result*CF
			RBA Adjusted Arsenic	1 / 1	6.29	6.29	N/A	7.55	6.3	7.55	Result*CF
			Cadmium	1 / 1	3.92	3.92	N/A	4.7	3.93	4.7	Result*CF
			Chromium	1 / 1	15.8	15.8	N/A	19	15.8	19	Result*CF
			Cobalt	1 / 1	5.71	5.71	N/A	6.85	5.72	6.85	Result*CF
			Iron	1 / 1	15600	15600	N/A	18700	15600	18700	Result*CF
			Lead	1 / 1	208	208	N/A	208	208	208	Mean
			RBA Adjusted Lead	1 / 1	223	223	N/A	223	223	223	Mean
			Manganese	1 / 1	650	650	N/A	780	651	780	Result*CF
			Nickel	1 / 1	14.5	14.5	N/A	17.4	14.5	17.4	Result*CF
			Thallium	1 / 1	0.231	0.231	N/A	0.277	0.231	0.277	Result*CF
			Vanadium	1 / 1	24.2	24.2	N/A	29	24.2	29	Result*CF
163-G1	525	Garden	Aluminum	3 / 3	11100	11000	57.7	11100	9290	11100	95% t-statistic UCL
			Antimony	3 / 3	1.05	1.04	0.00577	1.05	0.879	1.05	95% t-statistic UCL
			Arsenic	3 / 3	6.39	6.19	0.174	6.49	5.42	6.49	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.05	1.01	0.0285	1.06	0.887	1.06	95% t-statistic UCL
			Cadmium	3 / 3	1.66	1.64	0.0153	1.67	1.39	1.67	95% t-statistic UCL
			Chromium	3 / 3	14.2	14	0.265	14.4	12.1	14.4	95% t-statistic UCL
			Cobalt	3 / 3	4.85	4.8	0.0723	4.93	4.11	4.93	95% t-statistic UCL
			Iron	3 / 3	14400	14300	100	14500	12100	14500	95% t-statistic UCL
			Lead	3 / 3	63.5	63	0.557	63	63	63	Mean
			RBA Adjusted Lead	3 / 3	53.4	53	0.468	53	53	53	Mean
			Manganese	3 / 3	395	386	7.81	399	333	399	95% t-statistic UCL
			Nickel	3 / 3	11.7	11.4	0.252	11.9	9.9	11.9	95% t-statistic UCL
			Thallium	3 / 3	0.153	0.151	0.00208	0.154	0.129	0.154	95% t-statistic UCL
			Vanadium	3 / 3	23.1	22.5	0.737	23.8	19.9	23.8	95% t-statistic UCL
163-O1	526	Other -Not Specified	Aluminum	1 / 1	10500	10500	N/A	12600	10500	12600	Result*CF
			Antimony	1 / 1	1.2	1.2	N/A	1.44	1.2	1.44	Result*CF
			Arsenic	1 / 1	6.35	6.35	N/A	7.62	6.36	7.62	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.04	1.04	N/A	1.25	1.04	1.25	Result*CF
			Cadmium	1 / 1	2.31	2.31	N/A	2.77	2.31	2.77	Result*CF
			Chromium	1 / 1	14.3	14.3	N/A	17.2	14.3	17.2	Result*CF
			Cobalt	1 / 1	4.54	4.54	N/A	5.45	4.55	5.45	Result*CF
			Iron	1 / 1	13700	13700	N/A	16400	13700	16400	Result*CF
			Lead	1 / 1	84.4	84.4	N/A	84.4	84.4	84.4	Mean
			RBA Adjusted Lead	1 / 1	71	71	N/A	71	71	71	Mean
			Manganese	1 / 1	318	318	N/A	382	319	382	Result*CF
			Nickel	1 / 1	11.6	11.6	N/A	13.9	11.6	13.9	Result*CF
			Thallium	1 / 1	0.18	0.18	N/A	0.216	0.18	0.216	Result*CF
			Vanadium	1 / 1	23.5	23.5	N/A	28.2	23.5	28.2	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
164-H1	527	House	Aluminum	3 / 3	13300	13200	231	13600	11300	13600	95% t-statistic UCL
			Antimony	3 / 3	2.05	1.88	0.219	2.25	1.88	2.25	95% t-statistic UCL
			Arsenic	3 / 3	12.9	12.8	0.153	13	10.9	13	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.11	2.09	0.025	2.13	1.78	2.13	95% t-statistic UCL
			Cadmium	3 / 3	4.14	3.83	0.31	4.35	3.63	4.35	95% t-statistic UCL
			Chromium	3 / 3	21.1	19.5	1.42	21.9	18.3	21.9	95% t-statistic UCL
			Cobalt	3 / 3	6.62	6.42	0.228	6.8	5.68	6.8	95% t-statistic UCL
			Iron	3 / 3	19300	19100	208	19400	16200	19400	95% t-statistic UCL
			Lead	3 / 3	182	155	24.4	155	155	155	Mean
			RBA Adjusted Lead	3 / 3	153	130	20.5	130	130	130	Mean
			Manganese	3 / 3	475	467	7.37	479	400	479	95% t-statistic UCL
			Nickel	3 / 3	17.8	16.9	0.902	18.5	15.4	18.5	95% t-statistic UCL
			Thallium	3 / 3	0.228	0.218	0.0146	0.242	0.202	0.242	95% t-statistic UCL
			Vanadium	3 / 3	30.6	28.2	2.21	31.9	26.6	31.9	95% t-statistic UCL
165-H1	528	House	Aluminum	3 / 3	15600	15000	850	16400	13700	16400	95% t-statistic UCL
			Antimony	3 / 3	1.1	1.07	0.0361	1.13	0.944	1.13	95% t-statistic UCL
			Arsenic	3 / 3	27.7	27	0.624	28.1	23.4	28.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.52	1.49	0.0344	1.54	1.29	1.54	95% t-statistic UCL
			Cadmium	3 / 3	1.45	1.4	0.0436	1.47	1.23	1.47	95% t-statistic UCL
			Chromium	3 / 3	21.3	20.9	0.458	21.7	18.1	21.7	95% t-statistic UCL
			Cobalt	3 / 3	17.1	16.3	0.666	17.5	14.6	17.5	95% t-statistic UCL
			Iron	3 / 3	33900	33500	361	34100	28500	34100	95% t-statistic UCL
			Lead	3 / 3	38.5	36.8	1.7	36.8	36.8	36.8	Mean
			RBA Adjusted Lead	3 / 3	13.9	13.2	0.613	13.2	13.2	13.2	Mean
			Manganese	3 / 3	685	668	28.6	716	598	716	95% t-statistic UCL
			Nickel	3 / 3	46.4	45	1.29	47.1	39.4	47.1	95% t-statistic UCL
			Thallium	3 / 3	0.131	0.127	0.00635	0.138	0.115	0.138	95% t-statistic UCL
			Vanadium	3 / 3	31.4	30.1	1.19	32.1	26.8	32.1	95% t-statistic UCL
165-O1	529	Other -Not Specified	Aluminum	1 / 1	15000	15000	N/A	18000	15000	18000	Result*CF
			Antimony	1 / 1	2.27	2.27	N/A	2.72	2.27	2.72	Result*CF
			Arsenic	1 / 1	36.9	36.9	N/A	44.3	37	44.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.74	1.74	N/A	2.09	1.74	2.09	Result*CF
			Cadmium	1 / 1	3.57	3.57	N/A	4.28	3.58	4.28	Result*CF
			Chromium	1 / 1	16.7	16.7	N/A	20	16.7	20	Result*CF
			Cobalt	1 / 1	20	20	N/A	24	20	24	Result*CF
			Iron	1 / 1	36700	36700	N/A	44000	36800	44000	Result*CF
			Lead	1 / 1	135	135	N/A	135	135	135	Mean
			RBA Adjusted Lead	1 / 1	62.6	62.6	N/A	62.6	62.6	62.6	Mean
			Manganese	1 / 1	880	880	N/A	1060	882	1060	Result*CF
			Nickel	1 / 1	50	50	N/A	60	50.1	60	Result*CF
			Thallium	1 / 1	0.193	0.193	N/A	0.232	0.193	0.232	Result*CF
			Vanadium	1 / 1	31.9	31.9	N/A	38.3	32	38.3	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
166-O1	530	Other -Not Specified	Aluminum	3 / 3	5130	4990	171	5280	4410	5280	95% t-statistic UCL
			Antimony	3 / 3	3.6	3.5	0.15	3.76	3.14	3.76	95% t-statistic UCL
			Arsenic	3 / 3	18.5	17.7	0.721	18.9	15.8	18.9	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.53	3.37	0.137	3.61	3.01	3.61	95% t-statistic UCL
			Cadmium	3 / 3	8.37	8.26	0.116	8.46	7.06	8.46	95% t-statistic UCL
			Chromium	3 / 3	14.1	14	0.0577	14.1	11.8	14.1	95% t-statistic UCL
			Cobalt	3 / 3	4.78	4.64	0.127	4.85	4.05	4.85	95% t-statistic UCL
			Iron	3 / 3	23800	23600	153	23900	19900	23900	95% t-statistic UCL
			Lead	3 / 3	413	402	14.7	402	402	402	Mean
			RBA Adjusted Lead	3 / 3	261	254	9.33	254	254	254	Mean
			Manganese	3 / 3	387	379	8.62	394	329	394	95% t-statistic UCL
			Nickel	3 / 3	12.7	12.5	0.208	12.9	10.8	12.9	95% t-statistic UCL
			Thallium	3 / 3	0.281	0.276	0.00473	0.284	0.237	0.284	95% t-statistic UCL
			Vanadium	3 / 3	30.2	29.5	0.945	31.1	25.9	31.1	95% t-statistic UCL
167-O1	531	Other -Not Specified	Aluminum	1 / 1	7690	7690	N/A	9230	7710	9230	Result*CF
			Antimony	1 / 1	1	1	N/A	1.2	1	1.2	Result*CF
			Arsenic	1 / 1	7.87	7.87	N/A	9.44	7.89	9.44	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.29	1.29	N/A	1.55	1.29	1.55	Result*CF
			Cadmium	1 / 1	2.52	2.52	N/A	3.02	2.53	3.02	Result*CF
			Chromium	1 / 1	15.1	15.1	N/A	18.1	15.1	18.1	Result*CF
			Cobalt	1 / 1	5.03	5.03	N/A	6.04	5.04	6.04	Result*CF
			Iron	1 / 1	15000	15000	N/A	18000	15000	18000	Result*CF
			Lead	1 / 1	118	118	N/A	118	118	118	Mean
			RBA Adjusted Lead	1 / 1	99.3	99.3	N/A	99.3	99.3	99.3	Mean
			Manganese	1 / 1	303	303	N/A	364	304	364	Result*CF
			Nickel	1 / 1	12.7	12.7	N/A	15.2	12.7	15.2	Result*CF
			Thallium	1 / 1	0.225	0.225	N/A	0.27	0.225	0.27	Result*CF
			Vanadium	1 / 1	23.5	23.5	N/A	28.2	23.5	28.2	Result*CF
167-O2	532	Other -Not Specified	Aluminum	3 / 3	7740	7560	225	7940	6630	7940	95% t-statistic UCL
			Antimony	3 / 3	1.91	1.9	0.0173	1.93	1.61	1.93	95% t-statistic UCL
			Arsenic	3 / 3	9.95	9.62	0.291	10.1	8.44	10.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.63	1.57	0.0476	1.65	1.38	1.65	95% t-statistic UCL
			Cadmium	3 / 3	2.87	2.78	0.103	2.96	2.47	2.96	95% t-statistic UCL
			Chromium	3 / 3	16.9	16.5	0.551	17.5	14.6	17.5	95% t-statistic UCL
			Cobalt	3 / 3	4.96	4.86	0.105	5.03	4.2	5.03	95% t-statistic UCL
			Iron	3 / 3	14600	14500	115	14700	12200	14700	95% t-statistic UCL
			Lead	3 / 3	189	184	5.03	184	184	184	Mean
			RBA Adjusted Lead	3 / 3	159	155	4.23	155	155	155	Mean
			Manganese	3 / 3	326	321	4.16	328	274	328	95% t-statistic UCL
			Nickel	3 / 3	12.1	11.9	0.252	12.3	10.3	12.3	95% t-statistic UCL
			Thallium	3 / 3	0.313	0.308	0.00643	0.319	0.267	0.319	95% t-statistic UCL
			Vanadium	3 / 3	25.3	24.6	1.18	26.6	22.2	26.6	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
167-O3	533	Other -Not Specified	Aluminum	1 / 1	10500	10500	N/A	12600	10500	12600	Result*CF
			Antimony	1 / 1	2.76	2.76	N/A	3.31	2.77	3.31	Result*CF
			Arsenic	1 / 1	11.5	11.5	N/A	13.8	11.5	13.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.88	1.88	N/A	2.26	1.89	2.26	Result*CF
			Cadmium	1 / 1	4.87	4.87	N/A	5.84	4.88	5.84	Result*CF
			Chromium	1 / 1	15.3	15.3	N/A	18.4	15.3	18.4	Result*CF
			Cobalt	1 / 1	5.34	5.34	N/A	6.41	5.35	6.41	Result*CF
			Iron	1 / 1	14300	14300	N/A	17200	14300	17200	Result*CF
			Lead	1 / 1	266	266	N/A	266	266	266	Mean
			RBA Adjusted Lead	1 / 1	224	224	N/A	224	224	224	Mean
			Manganese	1 / 1	423	423	N/A	508	424	508	Result*CF
			Nickel	1 / 1	12.6	12.6	N/A	15.1	12.6	15.1	Result*CF
			Thallium	1 / 1	0.351	0.351	N/A	0.421	0.352	0.421	Result*CF
			Vanadium	1 / 1	23.6	23.6	N/A	28.3	23.6	28.3	Result*CF
167-O4	534	Other -Not Specified	Aluminum	1 / 1	8540	8540	N/A	10200	8560	10200	Result*CF
			Antimony	1 / 1	1.78	1.78	N/A	2.14	1.78	2.14	Result*CF
			Arsenic	1 / 1	7.99	7.99	N/A	9.59	8.01	9.59	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.37	1.37	N/A	1.64	1.37	1.64	Result*CF
			Cadmium	1 / 1	2.88	2.88	N/A	3.46	2.89	3.46	Result*CF
			Chromium	1 / 1	17.4	17.4	N/A	20.9	17.4	20.9	Result*CF
			Cobalt	1 / 1	4.94	4.94	N/A	5.93	4.95	5.93	Result*CF
			Iron	1 / 1	15500	15500	N/A	18600	15500	18600	Result*CF
			Lead	1 / 1	181	181	N/A	181	181	181	Mean
			RBA Adjusted Lead	1 / 1	176	176	N/A	176	176	176	Mean
			Manganese	1 / 1	309	309	N/A	371	310	371	Result*CF
			Nickel	1 / 1	12	12	N/A	14.4	12	14.4	Result*CF
			Thallium	1 / 1	0.376	0.376	N/A	0.451	0.377	0.451	Result*CF
			Vanadium	1 / 1	23.5	23.5	N/A	28.2	23.5	28.2	Result*CF
167-O5	535	Other -Not Specified	Aluminum	1 / 1	8560	8560	N/A	10300	8580	10300	Result*CF
			Antimony	1 / 1	2.11	2.11	N/A	2.53	2.11	2.53	Result*CF
			Arsenic	1 / 1	8.24	8.24	N/A	9.89	8.26	9.89	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.66	1.66	N/A	1.99	1.66	1.99	Result*CF
			Cadmium	1 / 1	2.93	2.93	N/A	3.52	2.94	3.52	Result*CF
			Chromium	1 / 1	17.3	17.3	N/A	20.8	17.3	20.8	Result*CF
			Cobalt	1 / 1	4.58	4.58	N/A	5.5	4.59	5.5	Result*CF
			Iron	1 / 1	13900	13900	N/A	16700	13900	16700	Result*CF
			Lead	1 / 1	211	211	N/A	211	211	211	Mean
			RBA Adjusted Lead	1 / 1	224	224	N/A	224	224	224	Mean
			Manganese	1 / 1	295	295	N/A	354	296	354	Result*CF
			Nickel	1 / 1	10.9	10.9	N/A	13.1	10.9	13.1	Result*CF
			Thallium	1 / 1	0.383	0.383	N/A	0.46	0.384	0.46	Result*CF
			Vanadium	1 / 1	22.2	22.2	N/A	26.6	22.2	26.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
167-O6	536	Other -Not Specified	Aluminum	1 / 1	9610	9610	N/A	11500	9630	11500	Result*CF
			Antimony	1 / 1	2.78	2.78	N/A	3.34	2.79	3.34	Result*CF
			Arsenic	1 / 1	11.7	11.7	N/A	14	11.7	14	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.92	1.92	N/A	2.3	1.92	2.3	Result*CF
			Cadmium	1 / 1	4.98	4.98	N/A	5.98	4.99	5.98	Result*CF
			Chromium	1 / 1	12.2	12.2	N/A	14.6	12.2	14.6	Result*CF
			Cobalt	1 / 1	4.42	4.42	N/A	5.3	4.43	5.3	Result*CF
			Iron	1 / 1	13700	13700	N/A	16400	13700	16400	Result*CF
			Lead	1 / 1	293	293	N/A	293	293	293	Mean
			RBA Adjusted Lead	1 / 1	247	247	N/A	247	247	247	Mean
			Manganese	1 / 1	476	476	N/A	571	477	571	Result*CF
			Nickel	1 / 1	10.8	10.8	N/A	13	10.8	13	Result*CF
			Thallium	1 / 1	0.282	0.282	N/A	0.338	0.283	0.338	Result*CF
			Vanadium	1 / 1	18.6	18.6	N/A	22.3	18.6	22.3	Result*CF
167-O7	537	Other -Not Specified	Aluminum	1 / 1	12700	12700	N/A	15200	12700	15200	Result*CF
			Antimony	1 / 1	5.07	5.07	N/A	6.08	5.08	6.08	Result*CF
			Arsenic	1 / 1	22.6	22.6	N/A	27.1	22.6	27.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.7	3.7	N/A	4.44	3.71	4.44	Result*CF
			Cadmium	1 / 1	7.55	7.55	N/A	9.06	7.57	9.06	Result*CF
			Chromium	1 / 1	12.6	12.6	N/A	15.1	12.6	15.1	Result*CF
			Cobalt	1 / 1	4.78	4.78	N/A	5.74	4.79	5.74	Result*CF
			Iron	1 / 1	14200	14200	N/A	17000	14200	17000	Result*CF
			Lead	1 / 1	472	472	N/A	472	472	472	Mean
			RBA Adjusted Lead	1 / 1	397	397	N/A	397	397	397	Mean
			Manganese	1 / 1	486	486	N/A	583	487	583	Result*CF
			Nickel	1 / 1	11.1	11.1	N/A	13.3	11.1	13.3	Result*CF
			Thallium	1 / 1	0.405	0.405	N/A	0.486	0.406	0.486	Result*CF
			Vanadium	1 / 1	21.3	21.3	N/A	25.6	21.3	25.6	Result*CF
167-O8	538	Other -Not Specified	Aluminum	1 / 1	8620	8620	N/A	10300	8640	10300	Result*CF
			Antimony	1 / 1	2.6	2.6	N/A	3.12	2.61	3.12	Result*CF
			Arsenic	1 / 1	7.3	7.3	N/A	8.76	7.31	8.76	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.19	1.19	N/A	1.43	1.2	1.43	Result*CF
			Cadmium	1 / 1	3.09	3.09	N/A	3.71	3.1	3.71	Result*CF
			Chromium	1 / 1	13.4	13.4	N/A	16.1	13.4	16.1	Result*CF
			Cobalt	1 / 1	3.66	3.66	N/A	4.39	3.67	4.39	Result*CF
			Iron	1 / 1	13100	13100	N/A	15700	13100	15700	Result*CF
			Lead	1 / 1	244	244	N/A	244	244	244	Mean
			RBA Adjusted Lead	1 / 1	205	205	N/A	205	205	205	Mean
			Manganese	1 / 1	321	321	N/A	385	322	385	Result*CF
			Nickel	1 / 1	10.3	10.3	N/A	12.4	10.3	12.4	Result*CF
			Thallium	1 / 1	0.265	0.265	N/A	0.318	0.266	0.318	Result*CF
			Vanadium	1 / 1	20.8	20.8	N/A	25	20.8	25	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
167-O9	539	Other -Not Specified	Aluminum	1 / 1	8600	8600	N/A	10300	8620	10300	Result*CF
			Antimony	1 / 1	2.59	2.59	N/A	3.11	2.6	3.11	Result*CF
			Arsenic	1 / 1	8.75	8.75	N/A	10.5	8.77	10.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.43	1.43	N/A	1.72	1.44	1.72	Result*CF
			Cadmium	1 / 1	3.33	3.33	N/A	4	3.34	4	Result*CF
			Chromium	1 / 1	14.7	14.7	N/A	17.6	14.7	17.6	Result*CF
			Cobalt	1 / 1	4.1	4.1	N/A	4.92	4.11	4.92	Result*CF
			Iron	1 / 1	14200	14200	N/A	17000	14200	17000	Result*CF
			Lead	1 / 1	234	234	N/A	234	234	234	Mean
			RBA Adjusted Lead	1 / 1	197	197	N/A	197	197	197	Mean
			Manganese	1 / 1	399	399	N/A	479	400	479	Result*CF
			Nickel	1 / 1	11.3	11.3	N/A	13.6	11.3	13.6	Result*CF
			Thallium	1 / 1	0.282	0.282	N/A	0.338	0.283	0.338	Result*CF
			Vanadium	1 / 1	23	23	N/A	27.6	23	27.6	Result*CF
168-G1	541	Garden	Aluminum	1 / 1	11200	11200	N/A	13400	11200	13400	Result*CF
			Antimony	1 / 1	0.609	0.609	N/A	0.731	0.61	0.731	Result*CF
			Arsenic	1 / 1	3.83	3.83	N/A	4.6	3.84	4.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.627	0.627	N/A	0.752	0.628	0.752	Result*CF
			Cadmium	1 / 1	1.92	1.92	N/A	2.3	1.92	2.3	Result*CF
			Chromium	1 / 1	15.5	15.5	N/A	18.6	15.5	18.6	Result*CF
			Cobalt	1 / 1	4.96	4.96	N/A	5.95	4.97	5.95	Result*CF
			Iron	1 / 1	13700	13700	N/A	16400	13700	16400	Result*CF
			Lead	1 / 1	44.6	44.6	N/A	44.6	44.6	44.6	Mean
			RBA Adjusted Lead	1 / 1	37.5	37.5	N/A	37.5	37.5	37.5	Mean
			Manganese	1 / 1	290	290	N/A	348	291	348	Result*CF
			Nickel	1 / 1	16.5	16.5	N/A	19.8	16.5	19.8	Result*CF
			Thallium	1 / 1	0.153	0.153	N/A	0.184	0.153	0.184	Result*CF
			Vanadium	1 / 1	21.9	21.9	N/A	26.3	21.9	26.3	Result*CF
168-G2	542	Garden	Aluminum	1 / 1	13100	13100	N/A	15700	13100	15700	Result*CF
			Antimony	1 / 1	0.704	0.704	N/A	0.845	0.705	0.845	Result*CF
			Arsenic	1 / 1	4.92	4.92	N/A	5.9	4.93	5.9	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.805	0.805	N/A	0.966	0.807	0.966	Result*CF
			Cadmium	1 / 1	1.57	1.57	N/A	1.88	1.57	1.88	Result*CF
			Chromium	1 / 1	17.1	17.1	N/A	20.5	17.1	20.5	Result*CF
			Cobalt	1 / 1	5.44	5.44	N/A	6.53	5.45	6.53	Result*CF
			Iron	1 / 1	14300	14300	N/A	17200	14300	17200	Result*CF
			Lead	1 / 1	45.2	45.2	N/A	45.2	45.2	45.2	Mean
			RBA Adjusted Lead	1 / 1	38	38	N/A	38	38	38	Mean
			Manganese	1 / 1	325	325	N/A	390	326	390	Result*CF
			Nickel	1 / 1	19.2	19.2	N/A	23	19.2	23	Result*CF
			Thallium	1 / 1	0.176	0.176	N/A	0.211	0.176	0.211	Result*CF
			Vanadium	1 / 1	24.9	24.9	N/A	29.9	24.9	29.9	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
168-H1	543	House	Aluminum	3 / 3	12200	11800	404	12500	10400	12500	95% t-statistic UCL
			Antimony	3 / 3	0.489	0.468	0.0215	0.504	0.421	0.504	95% t-statistic UCL
			Arsenic	3 / 3	4.1	4.1	0.00577	4.11	3.43	4.11	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.671	0.671	0.000945	0.672	0.561	0.672	95% t-statistic UCL
			Cadmium	3 / 3	1.22	1.18	0.0379	1.24	1.04	1.24	95% t-statistic UCL
			Chromium	3 / 3	20.1	19.6	0.404	20.3	17	20.3	95% t-statistic UCL
			Cobalt	3 / 3	5.88	5.79	0.0814	5.92	4.95	5.92	95% t-statistic UCL
			Iron	3 / 3	16800	16400	351	17000	14200	17000	95% t-statistic UCL
			Lead	3 / 3	35.9	34.2	1.48	34.2	34.2	34.2	Mean
			RBA Adjusted Lead	3 / 3	30.2	28.8	1.25	28.8	28.8	28.8	Mean
			Manganese	3 / 3	259	252	5.77	262	219	262	95% t-statistic UCL
			Nickel	3 / 3	17.1	16.9	0.173	17.2	14.4	17.2	95% t-statistic UCL
			Thallium	3 / 3	0.172	0.171	0.001	0.173	0.144	0.173	95% t-statistic UCL
			Vanadium	3 / 3	28.9	28.5	0.404	29.1	24.3	29.1	95% t-statistic UCL
168-N1	544	Animal Activity Area	Aluminum	1 / 1	13000	13000	N/A	15600	13000	15600	Result*CF
			Antimony	1 / 1	0.748	0.748	N/A	0.898	0.749	0.898	Result*CF
			Arsenic	1 / 1	5.14	5.14	N/A	6.17	5.15	6.17	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.841	0.841	N/A	1.01	0.843	1.01	Result*CF
			Cadmium	1 / 1	1.78	1.78	N/A	2.14	1.78	2.14	Result*CF
			Chromium	1 / 1	10.6	10.6	N/A	12.7	10.6	12.7	Result*CF
			Cobalt	1 / 1	4.54	4.54	N/A	5.45	4.55	5.45	Result*CF
			Iron	1 / 1	11200	11200	N/A	13400	11200	13400	Result*CF
			Lead	1 / 1	38.9	38.9	N/A	38.9	38.9	38.9	Mean
			RBA Adjusted Lead	1 / 1	32.7	32.7	N/A	32.7	32.7	32.7	Mean
			Manganese	1 / 1	246	246	N/A	295	246	295	Result*CF
			Nickel	1 / 1	20.4	20.4	N/A	24.5	20.4	24.5	Result*CF
			Thallium	1 / 1	0.121	0.121	N/A	0.145	0.121	0.145	Result*CF
			Vanadium	1 / 1	15.4	15.4	N/A	18.5	15.4	18.5	Result*CF
168-O1	545	Other -Not Specified	Aluminum	1 / 1	10700	10700	N/A	12800	10700	12800	Result*CF
			Antimony	1 / 1	2.8	2.8	N/A	3.36	2.81	3.36	Result*CF
			Arsenic	1 / 1	16.9	16.9	N/A	20.3	16.9	20.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.77	2.77	N/A	3.32	2.77	3.32	Result*CF
			Cadmium	1 / 1	3.86	3.86	N/A	4.63	3.87	4.63	Result*CF
			Chromium	1 / 1	8.88	8.88	N/A	10.7	8.9	10.7	Result*CF
			Cobalt	1 / 1	5.97	5.97	N/A	7.16	5.98	7.16	Result*CF
			Iron	1 / 1	14600	14600	N/A	17500	14600	17500	Result*CF
			Lead	1 / 1	57.3	57.3	N/A	57.3	57.3	57.3	Mean
			RBA Adjusted Lead	1 / 1	48.2	48.2	N/A	48.2	48.2	48.2	Mean
			Manganese	1 / 1	214	214	N/A	257	214	257	Result*CF
			Nickel	1 / 1	44	44	N/A	52.8	44.1	52.8	Result*CF
			Thallium	1 / 1	0.213	0.213	N/A	0.256	0.213	0.256	Result*CF
			Vanadium	1 / 1	27.5	27.5	N/A	33	27.6	33	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
169A	26	Other -Not Specified	Aluminum	3 / 3	5700	5590	151	5850	4880	5850	95% t-statistic UCL
			Antimony	3 / 3	6.3	5.12	1.05	6.89	5.75	6.89	95% t-statistic UCL
			Arsenic	3 / 3	9.89	9.59	0.265	10	8.38	10	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.84	2.76	0.0762	2.89	2.41	2.89	95% t-statistic UCL
			Cadmium	3 / 3	4.03	3.94	0.121	4.14	3.46	4.14	95% t-statistic UCL
			Chromium	3 / 3	21.1	20.2	0.794	21.5	18	21.5	95% t-statistic UCL
			Cobalt	3 / 3	5.95	5.87	0.0917	6.02	5.03	6.02	95% t-statistic UCL
			Iron	3 / 3	26800	26500	493	27300	22800	27300	95% t-statistic UCL
			Lead	3 / 3	256	239	15	239	239	239	Mean
			RBA Adjusted Lead	3 / 3	256	239	15	239	239	239	Mean
			Manganese	3 / 3	288	283	7.81	296	247	296	95% t-statistic UCL
			Nickel	3 / 3	13.4	13.3	0.173	13.6	11.3	13.6	95% t-statistic UCL
			Thallium	3 / 3	0.246	0.239	0.00964	0.255	0.213	0.255	95% t-statistic UCL
			Vanadium	3 / 3	37.2	34.3	2.49	38.5	32.2	38.5	95% t-statistic UCL
169-G2	546	Garden	Aluminum	1 / 1	8780	8780	N/A	10500	8800	10500	Result*CF
			Antimony	1 / 1	0.849	0.849	N/A	1.02	0.851	1.02	Result*CF
			Arsenic	1 / 1	5.62	5.62	N/A	6.74	5.63	6.74	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.92	0.92	N/A	1.1	0.922	1.1	Result*CF
			Cadmium	1 / 1	1.44	1.44	N/A	1.73	1.44	1.73	Result*CF
			Chromium	1 / 1	33	33	N/A	39.6	33.1	39.6	Result*CF
			Cobalt	1 / 1	4.55	4.55	N/A	5.46	4.56	5.46	Result*CF
			Iron	1 / 1	14600	14600	N/A	17500	14600	17500	Result*CF
			Lead	1 / 1	43.4	43.4	N/A	43.4	43.4	43.4	Mean
			RBA Adjusted Lead	1 / 1	36.5	36.5	N/A	36.5	36.5	36.5	Mean
			Manganese	1 / 1	209	209	N/A	251	209	251	Result*CF
			Nickel	1 / 1	12.1	12.1	N/A	14.5	12.1	14.5	Result*CF
			Thallium	1 / 1	0.13	0.13	N/A	0.156	0.13	0.156	Result*CF
			Vanadium	1 / 1	21.7	21.7	N/A	26	21.7	26	Result*CF
169-G3	547	Garden	Aluminum	1 / 1	13400	13400	N/A	16100	13400	16100	Result*CF
			Antimony	1 / 1	1.07	1.07	N/A	1.28	1.07	1.28	Result*CF
			Arsenic	1 / 1	7.68	7.68	N/A	9.22	7.7	9.22	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.26	1.26	N/A	1.51	1.26	1.51	Result*CF
			Cadmium	1 / 1	1.64	1.64	N/A	1.97	1.64	1.97	Result*CF
			Chromium	1 / 1	22.9	22.9	N/A	27.5	22.9	27.5	Result*CF
			Cobalt	1 / 1	6.74	6.74	N/A	8.09	6.75	8.09	Result*CF
			Iron	1 / 1	20100	20100	N/A	24100	20100	24100	Result*CF
			Lead	1 / 1	65.1	65.1	N/A	65.1	65.1	65.1	Mean
			RBA Adjusted Lead	1 / 1	54.8	54.8	N/A	54.8	54.8	54.8	Mean
			Manganese	1 / 1	497	497	N/A	596	498	596	Result*CF
			Nickel	1 / 1	17.3	17.3	N/A	20.8	17.3	20.8	Result*CF
			Thallium	1 / 1	0.152	0.152	N/A	0.182	0.152	0.182	Result*CF
			Vanadium	1 / 1	29.6	29.6	N/A	35.5	29.7	35.5	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
169-G4	548	Garden	Aluminum	1 / 1	10700	10700	N/A	12800	10700	12800	Result*CF
			Antimony	1 / 1	1.2	1.2	N/A	1.44	1.2	1.44	Result*CF
			Arsenic	1 / 1	6.55	6.55	N/A	7.86	6.56	7.86	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.07	1.07	N/A	1.29	1.07	1.29	Result*CF
			Cadmium	1 / 1	1.68	1.68	N/A	2.02	1.68	2.02	Result*CF
			Chromium	1 / 1	20.3	20.3	N/A	24.4	20.3	24.4	Result*CF
			Cobalt	1 / 1	5.18	5.18	N/A	6.22	5.19	6.22	Result*CF
			Iron	1 / 1	17000	17000	N/A	20400	17000	20400	Result*CF
			Lead	1 / 1	62.1	62.1	N/A	62.1	62.1	62.1	Mean
			RBA Adjusted Lead	1 / 1	52.2	52.2	N/A	52.2	52.2	52.2	Mean
			Manganese	1 / 1	336	336	N/A	403	337	403	Result*CF
			Nickel	1 / 1	13.1	13.1	N/A	15.7	13.1	15.7	Result*CF
			Thallium	1 / 1	0.136	0.136	N/A	0.163	0.136	0.163	Result*CF
			Vanadium	1 / 1	22.8	22.8	N/A	27.4	22.8	27.4	Result*CF
169-H1	549	House	Aluminum	3 / 3	10600	10100	492	10900	9100	10900	95% t-statistic UCL
			Antimony	3 / 3	0.888	0.787	0.0927	0.943	0.787	0.943	95% t-statistic UCL
			Arsenic	3 / 3	5.35	5.23	0.169	5.52	4.61	5.52	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.876	0.857	0.0276	0.903	0.754	0.903	95% t-statistic UCL
			Cadmium	3 / 3	1.31	1.24	0.0611	1.35	1.12	1.35	95% t-statistic UCL
			Chromium	3 / 3	20.6	20	0.493	20.9	17.4	20.9	95% t-statistic UCL
			Cobalt	3 / 3	4.44	4.35	0.0781	4.48	3.74	4.48	95% t-statistic UCL
			Iron	3 / 3	14900	14400	611	15400	12900	15400	95% t-statistic UCL
			Lead	3 / 3	50.3	49.3	1.11	49.3	49.3	49.3	Mean
			RBA Adjusted Lead	3 / 3	42.3	41.5	0.937	41.5	41.5	41.5	Mean
			Manganese	3 / 3	367	346	18.2	377	315	377	95% t-statistic UCL
			Nickel	3 / 3	12.7	12.4	0.306	12.9	10.8	12.9	95% t-statistic UCL
			Thallium	3 / 3	0.116	0.115	0.00153	0.117	0.0979	0.117	95% t-statistic UCL
			Vanadium	3 / 3	22.4	21.8	0.513	22.7	19	22.7	95% t-statistic UCL
170-G1	550	Garden	Aluminum	1 / 1	12500	12500	N/A	15000	12500	15000	Result*CF
			Antimony	1 / 1	0.893	0.893	N/A	1.07	0.895	1.07	Result*CF
			Arsenic	1 / 1	7.99	7.99	N/A	9.59	8.01	9.59	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.31	1.31	N/A	1.57	1.31	1.57	Result*CF
			Cadmium	1 / 1	1.45	1.45	N/A	1.74	1.45	1.74	Result*CF
			Chromium	1 / 1	18.1	18.1	N/A	21.7	18.1	21.7	Result*CF
			Cobalt	1 / 1	5.63	5.63	N/A	6.76	5.64	6.76	Result*CF
			Iron	1 / 1	18600	18600	N/A	22300	18600	22300	Result*CF
			Lead	1 / 1	56.2	56.2	N/A	56.2	56.2	56.2	Mean
			RBA Adjusted Lead	1 / 1	47.3	47.3	N/A	47.3	47.3	47.3	Mean
			Manganese	1 / 1	469	469	N/A	563	470	563	Result*CF
			Nickel	1 / 1	13.4	13.4	N/A	16.1	13.4	16.1	Result*CF
			Thallium	1 / 1	0.121	0.121	N/A	0.145	0.121	0.145	Result*CF
			Vanadium	1 / 1	27.1	27.1	N/A	32.5	27.2	32.5	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
170-G2	551	Garden	Aluminum	1 / 1	10300	10300	N/A	12400	10300	12400	Result*CF
			Antimony	1 / 1	1.87	1.87	N/A	2.24	1.87	2.24	Result*CF
			Arsenic	1 / 1	9.04	9.04	N/A	10.8	9.06	10.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.48	1.48	N/A	1.78	1.48	1.78	Result*CF
			Cadmium	1 / 1	3.91	3.91	N/A	4.69	3.92	4.69	Result*CF
			Chromium	1 / 1	17.9	17.9	N/A	21.5	17.9	21.5	Result*CF
			Cobalt	1 / 1	5.46	5.46	N/A	6.55	5.47	6.55	Result*CF
			Iron	1 / 1	16800	16800	N/A	20200	16800	20200	Result*CF
			Lead	1 / 1	139	139	N/A	139	139	139	Mean
			RBA Adjusted Lead	1 / 1	117	117	N/A	117	117	117	Mean
			Manganese	1 / 1	437	437	N/A	524	438	524	Result*CF
			Nickel	1 / 1	13.3	13.3	N/A	16	13.3	16	Result*CF
			Thallium	1 / 1	0.199	0.199	N/A	0.239	0.199	0.239	Result*CF
			Vanadium	1 / 1	27.3	27.3	N/A	32.8	27.4	32.8	Result*CF
170-H1	552	House	Aluminum	3 / 3	9600	9450	200	9780	8170	9780	95% t-statistic UCL
			Antimony	3 / 3	1.17	1.05	0.113	1.24	1.03	1.24	95% t-statistic UCL
			Arsenic	3 / 3	7.32	6.62	0.681	7.77	6.49	7.77	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.2	1.08	0.111	1.27	1.06	1.27	95% t-statistic UCL
			Cadmium	3 / 3	2.29	2.05	0.222	2.43	2.03	2.43	95% t-statistic UCL
			Chromium	3 / 3	19.3	17.7	2.54	22	18.4	22	95% t-statistic UCL
			Cobalt	3 / 3	5.35	4.87	0.791	6.21	5.18	6.21	95% t-statistic UCL
			Iron	3 / 3	17600	17300	379	18000	15000	18000	95% t-statistic UCL
			Lead	3 / 3	106	91.6	14.3	91.6	91.6	91.6	Mean
			RBA Adjusted Lead	3 / 3	89.2	77	12	77	77	77	Mean
			Manganese	3 / 3	416	396	18.2	427	357	427	95% t-statistic UCL
			Nickel	3 / 3	12.9	11.8	1.79	14.8	12.3	14.8	95% t-statistic UCL
			Thallium	3 / 3	0.178	0.152	0.0235	0.192	0.16	0.192	95% t-statistic UCL
			Vanadium	3 / 3	29.7	27.2	4.07	34.1	28.4	34.1	95% t-statistic UCL
171-A1	553	Agriculture	Aluminum	1 / 1	19100	19100	N/A	22900	19100	22900	Result*CF
			Antimony	1 / 1	2.11	2.11	N/A	2.53	2.11	2.53	Result*CF
			Arsenic	1 / 1	14.4	14.4	N/A	17.3	14.4	17.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.36	2.36	N/A	2.83	2.36	2.83	Result*CF
			Cadmium	1 / 1	5.94	5.94	N/A	7.13	5.95	7.13	Result*CF
			Chromium	1 / 1	47.9	47.9	N/A	57.5	48	57.5	Result*CF
			Cobalt	1 / 1	13.1	13.1	N/A	15.7	13.1	15.7	Result*CF
			Iron	1 / 1	26900	26900	N/A	32300	27000	32300	Result*CF
			Lead	1 / 1	185	185	N/A	185	185	185	Mean
			RBA Adjusted Lead	1 / 1	156	156	N/A	156	156	156	Mean
			Manganese	1 / 1	676	676	N/A	811	677	811	Result*CF
			Nickel	1 / 1	38.6	38.6	N/A	46.3	38.7	46.3	Result*CF
			Thallium	1 / 1	0.326	0.326	N/A	0.391	0.327	0.391	Result*CF
			Vanadium	1 / 1	51.9	51.9	N/A	62.3	52	62.3	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
171-G1	555	Garden	Aluminum	1 / 1	24700	24700	N/A	29600	24700	29600	Result*CF
			Antimony	1 / 1	3.35	3.35	N/A	4.02	3.36	4.02	Result*CF
			Arsenic	1 / 1	19.4	19.4	N/A	23.3	19.4	23.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.18	3.18	N/A	3.81	3.18	3.81	Result*CF
			Cadmium	1 / 1	7.5	7.5	N/A	9	7.52	9	Result*CF
			Chromium	1 / 1	33.3	33.3	N/A	40	33.4	40	Result*CF
			Cobalt	1 / 1	10.8	10.8	N/A	13	10.8	13	Result*CF
			Iron	1 / 1	24000	24000	N/A	28800	24000	28800	Result*CF
			Lead	1 / 1	286	286	N/A	286	286	286	Mean
			RBA Adjusted Lead	1 / 1	241	241	N/A	241	241	241	Mean
			Manganese	1 / 1	774	774	N/A	929	776	929	Result*CF
			Nickel	1 / 1	28.2	28.2	N/A	33.8	28.3	33.8	Result*CF
			Thallium	1 / 1	0.384	0.384	N/A	0.461	0.385	0.461	Result*CF
			Vanadium	1 / 1	38.5	38.5	N/A	46.2	38.6	46.2	Result*CF
171-H1	556	House	Aluminum	1 / 1	14800	14800	N/A	17800	14800	17800	Result*CF
			Antimony	1 / 1	2.42	2.42	N/A	2.9	2.42	2.9	Result*CF
			Arsenic	1 / 1	13	13	N/A	15.6	13	15.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.62	1.62	N/A	1.95	1.63	1.95	Result*CF
			Cadmium	1 / 1	5.42	5.42	N/A	6.5	5.43	6.5	Result*CF
			Chromium	1 / 1	27.6	27.6	N/A	33.1	27.7	33.1	Result*CF
			Cobalt	1 / 1	8.07	8.07	N/A	9.68	8.09	9.68	Result*CF
			Iron	1 / 1	20200	20200	N/A	24200	20200	24200	Result*CF
			Lead	1 / 1	236	236	N/A	236	236	236	Mean
			RBA Adjusted Lead	1 / 1	233	233	N/A	233	233	233	Mean
			Manganese	1 / 1	464	464	N/A	557	465	557	Result*CF
			Nickel	1 / 1	22.8	22.8	N/A	27.4	22.8	27.4	Result*CF
			Thallium	1 / 1	0.325	0.325	N/A	0.39	0.326	0.39	Result*CF
			Vanadium	1 / 1	36	36	N/A	43.2	36.1	43.2	Result*CF
172U	219	Other -Not Specified	Aluminum	3 / 3	3520	3420	105	3590	3000	3590	95% t-statistic UCL
			Antimony	3 / 3	2.83	2.6	0.204	2.94	2.46	2.94	95% t-statistic UCL
			Arsenic	3 / 3	20.5	20	0.458	20.8	17.3	20.8	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.3	3.22	0.0738	3.35	2.79	3.35	95% t-statistic UCL
			Cadmium	3 / 3	10.5	10.2	0.306	10.7	8.92	10.7	95% t-statistic UCL
			Chromium	3 / 3	14	13.7	0.351	14.3	11.9	14.3	95% t-statistic UCL
			Cobalt	3 / 3	4.59	4.51	0.0854	4.65	3.89	4.65	95% t-statistic UCL
			Iron	3 / 3	35300	33900	1190	35900	30000	35900	95% t-statistic UCL
			Lead	3 / 3	520	506	14.5	506	506	506	Mean
			RBA Adjusted Lead	3 / 3	302	294	8.44	294	294	294	Mean
			Manganese	3 / 3	348	342	6.56	353	295	353	95% t-statistic UCL
			Nickel	3 / 3	17.6	17.3	0.252	17.8	14.8	17.8	95% t-statistic UCL
			Thallium	3 / 3	0.317	0.31	0.00702	0.322	0.269	0.322	95% t-statistic UCL
			Vanadium	3 / 3	35.8	35.6	0.252	36	30.1	36	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
173-G1	558	Garden	Aluminum	1 / 1	11700	11700	N/A	14000	11700	14000	Result*CF
			Antimony	1 / 1	0.73	0.73	N/A	0.876	0.731	0.876	Result*CF
			Arsenic	1 / 1	6.75	6.75	N/A	8.1	6.76	8.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.1	1.1	N/A	1.33	1.11	1.33	Result*CF
			Cadmium	1 / 1	1.37	1.37	N/A	1.64	1.37	1.64	Result*CF
			Chromium	1 / 1	22	22	N/A	26.4	22	26.4	Result*CF
			Cobalt	1 / 1	5.52	5.52	N/A	6.62	5.53	6.62	Result*CF
			Iron	1 / 1	18100	18100	N/A	21700	18100	21700	Result*CF
			Lead	1 / 1	58.5	58.5	N/A	58.5	58.5	58.5	Mean
			RBA Adjusted Lead	1 / 1	49.2	49.2	N/A	49.2	49.2	49.2	Mean
			Manganese	1 / 1	337	337	N/A	404	338	404	Result*CF
			Nickel	1 / 1	18.9	18.9	N/A	22.7	18.9	22.7	Result*CF
			Thallium	1 / 1	0.129	0.129	N/A	0.155	0.129	0.155	Result*CF
			Vanadium	1 / 1	29.9	29.9	N/A	35.9	30	35.9	Result*CF
173-G2	559	Garden	Aluminum	1 / 1	8880	8880	N/A	10700	8900	10700	Result*CF
			Antimony	1 / 1	0.282	0.282	N/A	0.338	0.283	0.338	Result*CF
			Arsenic	1 / 1	4.84	4.84	N/A	5.81	4.85	5.81	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.792	0.792	N/A	0.951	0.794	0.951	Result*CF
			Cadmium	1 / 1	0.411	0.411	N/A	0.493	0.412	0.493	Result*CF
			Chromium	1 / 1	22.4	22.4	N/A	26.9	22.4	26.9	Result*CF
			Cobalt	1 / 1	5.22	5.22	N/A	6.26	5.23	6.26	Result*CF
			Iron	1 / 1	18400	18400	N/A	22100	18400	22100	Result*CF
			Lead	1 / 1	20.2	20.2	N/A	20.2	20.2	20.2	Mean
			RBA Adjusted Lead	1 / 1	17	17	N/A	17	17	17	Mean
			Manganese	1 / 1	244	244	N/A	293	244	293	Result*CF
			Nickel	1 / 1	18.2	18.2	N/A	21.8	18.2	21.8	Result*CF
			Thallium	1 / 1	0.087	0.087	N/A	0.104	0.0872	0.104	Result*CF
			Vanadium	1 / 1	32.9	32.9	N/A	39.5	33	39.5	Result*CF
173-G3	560	Garden	Aluminum	1 / 1	12100	12100	N/A	14500	12100	14500	Result*CF
			Antimony	1 / 1	1.28	1.28	N/A	1.54	1.28	1.54	Result*CF
			Arsenic	1 / 1	13.5	13.5	N/A	16.2	13.5	16.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.21	2.21	N/A	2.65	2.21	2.65	Result*CF
			Cadmium	1 / 1	2.31	2.31	N/A	2.77	2.31	2.77	Result*CF
			Chromium	1 / 1	22.3	22.3	N/A	26.8	22.3	26.8	Result*CF
			Cobalt	1 / 1	5.44	5.44	N/A	6.53	5.45	6.53	Result*CF
			Iron	1 / 1	19600	19600	N/A	23500	19600	23500	Result*CF
			Lead	1 / 1	103	103	N/A	103	103	103	Mean
			RBA Adjusted Lead	1 / 1	86.7	86.7	N/A	86.7	86.7	86.7	Mean
			Manganese	1 / 1	445	445	N/A	534	446	534	Result*CF
			Nickel	1 / 1	22.8	22.8	N/A	27.4	22.8	27.4	Result*CF
			Thallium	1 / 1	0.152	0.152	N/A	0.182	0.152	0.182	Result*CF
			Vanadium	1 / 1	30.4	30.4	N/A	36.5	30.5	36.5	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
173-G4	561	Garden	Aluminum	1 / 1	11900	11900	N/A	14300	11900	14300	Result*CF
			Antimony	1 / 1	1.59	1.59	N/A	1.91	1.59	1.91	Result*CF
			Arsenic	1 / 1	12.9	12.9	N/A	15.5	12.9	15.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.11	2.11	N/A	2.53	2.12	2.53	Result*CF
			Cadmium	1 / 1	3.09	3.09	N/A	3.71	3.1	3.71	Result*CF
			Chromium	1 / 1	21.2	21.2	N/A	25.4	21.2	25.4	Result*CF
			Cobalt	1 / 1	5.61	5.61	N/A	6.73	5.62	6.73	Result*CF
			Iron	1 / 1	18000	18000	N/A	21600	18000	21600	Result*CF
			Lead	1 / 1	143	143	N/A	143	143	143	Mean
			RBA Adjusted Lead	1 / 1	120	120	N/A	120	120	120	Mean
			Manganese	1 / 1	497	497	N/A	596	498	596	Result*CF
			Nickel	1 / 1	23	23	N/A	27.6	23	27.6	Result*CF
			Thallium	1 / 1	0.175	0.175	N/A	0.21	0.175	0.21	Result*CF
			Vanadium	1 / 1	27.5	27.5	N/A	33	27.6	33	Result*CF
173-G5	562	Garden	Aluminum	1 / 1	12100	12100	N/A	14500	12100	14500	Result*CF
			Antimony	1 / 1	0.526	0.526	N/A	0.631	0.527	0.631	Result*CF
			Arsenic	1 / 1	8.2	8.2	N/A	9.84	8.22	9.84	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.34	1.34	N/A	1.61	1.34	1.61	Result*CF
			Cadmium	1 / 1	0.722	0.722	N/A	0.866	0.723	0.866	Result*CF
			Chromium	1 / 1	17.5	17.5	N/A	21	17.5	21	Result*CF
			Cobalt	1 / 1	6.6	6.6	N/A	7.92	6.61	7.92	Result*CF
			Iron	1 / 1	17900	17900	N/A	21500	17900	21500	Result*CF
			Lead	1 / 1	31	31	N/A	31	31	31	Mean
			RBA Adjusted Lead	1 / 1	26.1	26.1	N/A	26.1	26.1	26.1	Mean
			Manganese	1 / 1	390	390	N/A	468	391	468	Result*CF
			Nickel	1 / 1	16.7	16.7	N/A	20	16.7	20	Result*CF
			Thallium	1 / 1	0.117	0.117	N/A	0.14	0.117	0.14	Result*CF
			Vanadium	1 / 1	26.1	26.1	N/A	31.3	26.2	31.3	Result*CF
173-H1	563	House	Aluminum	3 / 3	10900	10800	115	11000	9150	11000	95% t-statistic UCL
			Antimony	3 / 3	1.78	1.68	0.0896	1.83	1.53	1.83	95% t-statistic UCL
			Arsenic	3 / 3	12.4	11.5	0.854	12.9	10.8	12.9	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.03	1.88	0.14	2.12	1.77	2.12	95% t-statistic UCL
			Cadmium	3 / 3	3.84	3.65	0.162	3.93	3.28	3.93	95% t-statistic UCL
			Chromium	3 / 3	22.1	20.4	1.61	23.1	19.3	23.1	95% t-statistic UCL
			Cobalt	3 / 3	5.44	5.15	0.306	5.67	4.73	5.67	95% t-statistic UCL
			Iron	3 / 3	17600	17400	200	17700	14800	17700	95% t-statistic UCL
			Lead	3 / 3	169	162	5.77	162	162	162	Mean
			RBA Adjusted Lead	3 / 3	142	137	4.86	137	137	137	Mean
			Manganese	3 / 3	407	403	4	410	342	410	95% t-statistic UCL
			Nickel	3 / 3	20	18.6	1.31	20.8	17.4	20.8	95% t-statistic UCL
			Thallium	3 / 3	0.198	0.19	0.00723	0.202	0.169	0.202	95% t-statistic UCL
			Vanadium	3 / 3	30.3	27.9	2.23	31.7	26.4	31.7	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
173-P1	564	Play Area	Aluminum	1 / 1	11400	11400	N/A	13700	11400	13700	Result*CF
			Antimony	1 / 1	2.26	2.26	N/A	2.71	2.26	2.71	Result*CF
			Arsenic	1 / 1	11.6	11.6	N/A	13.9	11.6	13.9	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.9	1.9	N/A	2.28	1.9	2.28	Result*CF
			Cadmium	1 / 1	4.36	4.36	N/A	5.23	4.37	5.23	Result*CF
			Chromium	1 / 1	19.3	19.3	N/A	23.2	19.3	23.2	Result*CF
			Cobalt	1 / 1	5.44	5.44	N/A	6.53	5.45	6.53	Result*CF
			Iron	1 / 1	16900	16900	N/A	20300	16900	20300	Result*CF
			Lead	1 / 1	208	208	N/A	208	208	208	Mean
			RBA Adjusted Lead	1 / 1	175	175	N/A	175	175	175	Mean
			Manganese	1 / 1	420	420	N/A	504	421	504	Result*CF
			Nickel	1 / 1	17.6	17.6	N/A	21.1	17.6	21.1	Result*CF
			Thallium	1 / 1	0.262	0.262	N/A	0.314	0.263	0.314	Result*CF
			Vanadium	1 / 1	25.8	25.8	N/A	31	25.9	31	Result*CF
174-A1	565	Agriculture	Aluminum	1 / 1	20500	20500	N/A	24600	20500	24600	Result*CF
			Antimony	1 / 1	1.14	1.14	N/A	1.37	1.14	1.37	Result*CF
			Arsenic	1 / 1	11.9	11.9	N/A	14.3	11.9	14.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.95	1.95	N/A	2.34	1.95	2.34	Result*CF
			Cadmium	1 / 1	2.77	2.77	N/A	3.32	2.78	3.32	Result*CF
			Chromium	1 / 1	18.9	18.9	N/A	22.7	18.9	22.7	Result*CF
			Cobalt	1 / 1	7.64	7.64	N/A	9.17	7.66	9.17	Result*CF
			Iron	1 / 1	17800	17800	N/A	21400	17800	21400	Result*CF
			Lead	1 / 1	85.5	85.5	N/A	85.5	85.5	85.5	Mean
			RBA Adjusted Lead	1 / 1	71.9	71.9	N/A	71.9	71.9	71.9	Mean
			Manganese	1 / 1	817	817	N/A	980	819	980	Result*CF
			Nickel	1 / 1	22.5	22.5	N/A	27	22.5	27	Result*CF
			Thallium	1 / 1	0.203	0.203	N/A	0.244	0.203	0.244	Result*CF
			Vanadium	1 / 1	33.9	33.9	N/A	40.7	34	40.7	Result*CF
174-G1	566	Garden	Aluminum	1 / 1	21100	21100	N/A	25300	21100	25300	Result*CF
			Antimony	1 / 1	1.32	1.32	N/A	1.58	1.32	1.58	Result*CF
			Arsenic	1 / 1	12.4	12.4	N/A	14.9	12.4	14.9	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.03	2.03	N/A	2.44	2.03	2.44	Result*CF
			Cadmium	1 / 1	2.49	2.49	N/A	2.99	2.49	2.99	Result*CF
			Chromium	1 / 1	17.9	17.9	N/A	21.5	17.9	21.5	Result*CF
			Cobalt	1 / 1	7.3	7.3	N/A	8.76	7.31	8.76	Result*CF
			Iron	1 / 1	17200	17200	N/A	20600	17200	20600	Result*CF
			Lead	1 / 1	93.8	93.8	N/A	93.8	93.8	93.8	Mean
			RBA Adjusted Lead	1 / 1	78.9	78.9	N/A	78.9	78.9	78.9	Mean
			Manganese	1 / 1	969	969	N/A	1160	971	1160	Result*CF
			Nickel	1 / 1	21.8	21.8	N/A	26.2	21.8	26.2	Result*CF
			Thallium	1 / 1	0.209	0.209	N/A	0.251	0.209	0.251	Result*CF
			Vanadium	1 / 1	27.8	27.8	N/A	33.4	27.9	33.4	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
174-H1	567	House	Aluminum	3 / 3	21300	20600	907	22200	18500	22200	95% t-statistic UCL
			Antimony	3 / 3	3.22	2.51	0.616	3.55	2.97	3.55	95% t-statistic UCL
			Arsenic	3 / 3	16.9	16.3	0.513	17.2	14.4	17.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.77	2.67	0.084	2.82	2.35	2.82	95% t-statistic UCL
			Cadmium	3 / 3	4.77	4.61	0.148	4.86	4.06	4.86	95% t-statistic UCL
			Chromium	3 / 3	19.7	16.9	4.26	24.1	20.1	24.1	95% t-statistic UCL
			Cobalt	3 / 3	7.73	6.8	1.54	9.41	7.86	9.41	95% t-statistic UCL
			Iron	3 / 3	17900	17700	404	18300	15300	18300	95% t-statistic UCL
			Lead	3 / 3	305	213	79.4	213	213	213	Mean
			RBA Adjusted Lead	3 / 3	257	179	66.8	179	179	179	Mean
			Manganese	3 / 3	1000	989	19.1	1020	853	1020	95% t-statistic UCL
			Nickel	3 / 3	22.6	19.3	5.29	28.2	23.6	28.2	95% t-statistic UCL
			Thallium	3 / 3	0.295	0.288	0.00808	0.301	0.252	0.301	95% t-statistic UCL
			Vanadium	3 / 3	29.1	26.3	4.34	33.6	28.1	33.6	95% t-statistic UCL
174M	117	House	Aluminum	3 / 3	9440	9360	86.2	9510	7940	9510	95% t-statistic UCL
			Antimony	3 / 3	0.284	0.283	0.00115	0.285	0.238	0.285	95% t-statistic UCL
			Arsenic	3 / 3	4.14	3.94	0.171	4.23	3.53	4.23	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.14	1.09	0.0471	1.17	0.974	1.17	95% t-statistic UCL
			Cadmium	3 / 3	1.06	0.821	0.207	1.17	0.977	1.17	95% t-statistic UCL
			Chromium	3 / 3	18.2	17.8	0.458	18.6	15.5	18.6	95% t-statistic UCL
			Cobalt	3 / 3	5.41	5.28	0.148	5.53	4.62	5.53	95% t-statistic UCL
			Iron	3 / 3	13900	13600	252	14100	11700	14100	95% t-statistic UCL
			Lead	3 / 3	22.6	22.3	0.306	22.3	22.3	22.3	Mean
			RBA Adjusted Lead	3 / 3	24.1	23.7	0.325	23.7	23.7	23.7	Mean
			Manganese	3 / 3	260	256	4.58	264	220	264	95% t-statistic UCL
			Nickel	3 / 3	14.2	13.8	0.351	14.4	12	14.4	95% t-statistic UCL
			Thallium	3 / 3	0.13	0.129	0.001	0.131	0.109	0.131	95% t-statistic UCL
			Vanadium	3 / 3	23.3	22.7	0.85	24.1	20.1	24.1	95% t-statistic UCL
175-G1	568	Garden	Aluminum	1 / 1	8630	8630	N/A	10400	8650	10400	Result*CF
			Antimony	1 / 1	1.11	1.11	N/A	1.33	1.11	1.33	Result*CF
			Arsenic	1 / 1	7.36	7.36	N/A	8.83	7.37	8.83	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.2	1.2	N/A	1.45	1.21	1.45	Result*CF
			Cadmium	1 / 1	2.22	2.22	N/A	2.66	2.22	2.66	Result*CF
			Chromium	1 / 1	14.7	14.7	N/A	17.6	14.7	17.6	Result*CF
			Cobalt	1 / 1	4.36	4.36	N/A	5.23	4.37	5.23	Result*CF
			Iron	1 / 1	12100	12100	N/A	14500	12100	14500	Result*CF
			Lead	1 / 1	91.8	91.8	N/A	91.8	91.8	91.8	Mean
			RBA Adjusted Lead	1 / 1	77.2	77.2	N/A	77.2	77.2	77.2	Mean
			Manganese	1 / 1	377	377	N/A	452	378	452	Result*CF
			Nickel	1 / 1	11.5	11.5	N/A	13.8	11.5	13.8	Result*CF
			Thallium	1 / 1	0.161	0.161	N/A	0.193	0.161	0.193	Result*CF
			Vanadium	1 / 1	23	23	N/A	27.6	23	27.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
175-G2	569	Garden	Aluminum	3 / 3	8870	8650	215	9010	7530	9010	95% t-statistic UCL
			Antimony	3 / 3	0.664	0.63	0.0356	0.69	0.576	0.69	95% t-statistic UCL
			Arsenic	3 / 3	4.63	4.51	0.107	4.69	3.91	4.69	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.758	0.738	0.0175	0.767	0.641	0.767	95% t-statistic UCL
			Cadmium	3 / 3	0.896	0.883	0.0194	0.916	0.765	0.916	95% t-statistic UCL
			Chromium	3 / 3	14.2	13.8	0.458	14.6	12.2	14.6	95% t-statistic UCL
			Cobalt	3 / 3	4.41	4.28	0.126	4.49	3.75	4.49	95% t-statistic UCL
			Iron	3 / 3	12400	12200	208	12600	10500	12600	95% t-statistic UCL
			Lead	3 / 3	32.8	31.8	0.874	31.8	31.8	31.8	Mean
			RBA Adjusted Lead	3 / 3	27.6	26.8	0.735	26.8	26.8	26.8	Mean
			Manganese	3 / 3	254	250	4.58	258	215	258	95% t-statistic UCL
			Nickel	3 / 3	12.1	11.7	0.4	12.4	10.3	12.4	95% t-statistic UCL
			Thallium	3 / 3	0.138	0.133	0.00557	0.142	0.119	0.142	95% t-statistic UCL
			Vanadium	3 / 3	25.9	25.4	0.839	26.8	22.4	26.8	95% t-statistic UCL
175-H1	570	House	Aluminum	1 / 1	6470	6470	N/A	7760	6480	7760	Result*CF
			Antimony	1 / 1	1.18	1.18	N/A	1.42	1.18	1.42	Result*CF
			Arsenic	1 / 1	5.52	5.52	N/A	6.62	5.53	6.62	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.904	0.904	N/A	1.08	0.905	1.08	Result*CF
			Cadmium	1 / 1	2.09	2.09	N/A	2.51	2.09	2.51	Result*CF
			Chromium	1 / 1	13	13	N/A	15.6	13	15.6	Result*CF
			Cobalt	1 / 1	3.56	3.56	N/A	4.27	3.57	4.27	Result*CF
			Iron	1 / 1	11000	11000	N/A	13200	11000	13200	Result*CF
			Lead	1 / 1	89.7	89.7	N/A	89.7	89.7	89.7	Mean
			RBA Adjusted Lead	1 / 1	75.5	75.5	N/A	75.5	75.5	75.5	Mean
			Manganese	1 / 1	328	328	N/A	394	329	394	Result*CF
			Nickel	1 / 1	9.16	9.16	N/A	11	9.18	11	Result*CF
			Thallium	1 / 1	0.149	0.149	N/A	0.179	0.149	0.179	Result*CF
			Vanadium	1 / 1	21.2	21.2	N/A	25.4	21.2	25.4	Result*CF
176-A1	571	Agriculture	Aluminum	3 / 3	13000	12600	404	13200	11100	13200	95% t-statistic UCL
			Antimony	3 / 3	1.07	1.01	0.0626	1.11	0.927	1.11	95% t-statistic UCL
			Arsenic	3 / 3	8.98	8.41	0.513	9.27	7.74	9.27	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.47	1.38	0.084	1.52	1.27	1.52	95% t-statistic UCL
			Cadmium	3 / 3	1.58	1.5	0.0723	1.62	1.35	1.62	95% t-statistic UCL
			Chromium	3 / 3	16.8	16	0.764	17.3	14.4	17.3	95% t-statistic UCL
			Cobalt	3 / 3	6.11	5.82	0.265	6.27	5.23	6.27	95% t-statistic UCL
			Iron	3 / 3	15200	14900	300	15400	12900	15400	95% t-statistic UCL
			Lead	3 / 3	49.2	46.7	2.17	46.7	46.7	46.7	Mean
			RBA Adjusted Lead	3 / 3	41.4	39.3	1.83	39.3	39.3	39.3	Mean
			Manganese	3 / 3	378	369	8.08	382	319	382	95% t-statistic UCL
			Nickel	3 / 3	17.9	17	0.819	18.4	15.3	18.4	95% t-statistic UCL
			Thallium	3 / 3	0.201	0.196	0.00557	0.205	0.171	0.205	95% t-statistic UCL
			Vanadium	3 / 3	31.6	30.4	1.2	32.4	27	32.4	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
176G	48	Garden	Aluminum	1 / 1	9400	9400	N/A	11300	9420	11300	Result*CF
			Antimony	1 / 1	1.82	1.82	N/A	2.18	1.82	2.18	Result*CF
			Arsenic	1 / 1	9.59	9.59	N/A	11.5	9.61	11.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.45	3.45	N/A	4.14	3.45	4.14	Result*CF
			Cadmium	1 / 1	3.65	3.65	N/A	4.38	3.66	4.38	Result*CF
			Chromium	1 / 1	17.5	17.5	N/A	21	17.5	21	Result*CF
			Cobalt	1 / 1	4.64	4.64	N/A	5.57	4.65	5.57	Result*CF
			Iron	1 / 1	11100	11100	N/A	13300	11100	13300	Result*CF
			Lead	1 / 1	133	133	N/A	133	133	133	Mean
			RBA Adjusted Lead	1 / 1	140	140	N/A	140	140	140	Mean
			Manganese	1 / 1	427	427	N/A	512	428	512	Result*CF
			Nickel	1 / 1	14.6	14.6	N/A	17.5	14.6	17.5	Result*CF
			Thallium	1 / 1	0.208	0.208	N/A	0.25	0.208	0.25	Result*CF
			Vanadium	1 / 1	25	25	N/A	30	25.1	30	Result*CF
176-H1	572	House	Aluminum	1 / 1	10300	10300	N/A	12400	10300	12400	Result*CF
			Antimony	1 / 1	0.816	0.816	N/A	0.979	0.818	0.979	Result*CF
			Arsenic	1 / 1	6.79	6.79	N/A	8.15	6.8	8.15	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.11	1.11	N/A	1.33	1.11	1.33	Result*CF
			Cadmium	1 / 1	1.5	1.5	N/A	1.8	1.5	1.8	Result*CF
			Chromium	1 / 1	14.8	14.8	N/A	17.8	14.8	17.8	Result*CF
			Cobalt	1 / 1	4.46	4.46	N/A	5.35	4.47	5.35	Result*CF
			Iron	1 / 1	14100	14100	N/A	16900	14100	16900	Result*CF
			Lead	1 / 1	59.8	59.8	N/A	59.8	59.8	59.8	Mean
			RBA Adjusted Lead	1 / 1	50.3	50.3	N/A	50.3	50.3	50.3	Mean
			Manganese	1 / 1	323	323	N/A	388	324	388	Result*CF
			Nickel	1 / 1	13.1	13.1	N/A	15.7	13.1	15.7	Result*CF
			Thallium	1 / 1	0.155	0.155	N/A	0.186	0.155	0.186	Result*CF
			Vanadium	1 / 1	27.4	27.4	N/A	32.9	27.5	32.9	Result*CF
176-H2	573	House	Aluminum	1 / 1	9750	9750	N/A	11700	9770	11700	Result*CF
			Antimony	1 / 1	0.775	0.775	N/A	0.93	0.777	0.93	Result*CF
			Arsenic	1 / 1	6.16	6.16	N/A	7.39	6.17	7.39	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.01	1.01	N/A	1.21	1.01	1.21	Result*CF
			Cadmium	1 / 1	1.1	1.1	N/A	1.32	1.1	1.32	Result*CF
			Chromium	1 / 1	15.2	15.2	N/A	18.2	15.2	18.2	Result*CF
			Cobalt	1 / 1	5.13	5.13	N/A	6.16	5.14	6.16	Result*CF
			Iron	1 / 1	13700	13700	N/A	16400	13700	16400	Result*CF
			Lead	1 / 1	34.5	34.5	N/A	34.5	34.5	34.5	Mean
			RBA Adjusted Lead	1 / 1	29	29	N/A	29	29	29	Mean
			Manganese	1 / 1	272	272	N/A	326	273	326	Result*CF
			Nickel	1 / 1	15.5	15.5	N/A	18.6	15.5	18.6	Result*CF
			Thallium	1 / 1	0.171	0.171	N/A	0.205	0.171	0.205	Result*CF
			Vanadium	1 / 1	28.8	28.8	N/A	34.6	28.9	34.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
176M	49	House	Aluminum	3 / 3	10200	9680	454	10400	8720	10400	95% t-statistic UCL
			Antimony	3 / 3	2.38	1.96	0.393	2.63	2.19	2.63	95% t-statistic UCL
			Arsenic	3 / 3	13.6	10.9	2.4	15	12.5	15	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.14	3.32	0.729	4.55	3.8	4.55	95% t-statistic UCL
			Cadmium	3 / 3	6	4.86	1.04	6.62	5.52	6.62	95% t-statistic UCL
			Chromium	3 / 3	17.9	17.7	0.404	18.3	15.3	18.3	95% t-statistic UCL
			Cobalt	3 / 3	5.09	4.78	0.278	5.25	4.38	5.25	95% t-statistic UCL
			Iron	3 / 3	13100	12600	436	13300	11100	13300	95% t-statistic UCL
			Lead	3 / 3	270	211	55.4	211	211	211	Mean
			RBA Adjusted Lead	3 / 3	276	216	56.6	216	216	216	Mean
			Manganese	3 / 3	579	492	79.9	627	523	627	95% t-statistic UCL
			Nickel	3 / 3	13.5	12.8	0.608	13.8	11.5	13.8	95% t-statistic UCL
			Thallium	3 / 3	0.301	0.276	0.0391	0.342	0.285	0.342	95% t-statistic UCL
			Vanadium	3 / 3	22.8	22.2	0.569	23.1	19.3	23.1	95% t-statistic UCL
176-P1	574	Play Area	Aluminum	1 / 1	11700	11700	N/A	14000	11700	14000	Result*CF
			Antimony	1 / 1	0.676	0.676	N/A	0.811	0.677	0.811	Result*CF
			Arsenic	1 / 1	6.51	6.51	N/A	7.81	6.52	7.81	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.07	1.07	N/A	1.28	1.07	1.28	Result*CF
			Cadmium	1 / 1	1.3	1.3	N/A	1.56	1.3	1.56	Result*CF
			Chromium	1 / 1	12.7	12.7	N/A	15.2	12.7	15.2	Result*CF
			Cobalt	1 / 1	4.21	4.21	N/A	5.05	4.22	5.05	Result*CF
			Iron	1 / 1	14100	14100	N/A	16900	14100	16900	Result*CF
			Lead	1 / 1	46.4	46.4	N/A	46.4	46.4	46.4	Mean
			RBA Adjusted Lead	1 / 1	39	39	N/A	39	39	39	Mean
			Manganese	1 / 1	363	363	N/A	436	364	436	Result*CF
			Nickel	1 / 1	11.1	11.1	N/A	13.3	11.1	13.3	Result*CF
			Thallium	1 / 1	0.132	0.132	N/A	0.158	0.132	0.158	Result*CF
			Vanadium	1 / 1	24.6	24.6	N/A	29.5	24.6	29.5	Result*CF
178-H1	575	House	Aluminum	3 / 3	16600	16000	666	17200	14300	17200	95% t-statistic UCL
			Antimony	3 / 3	0.655	0.608	0.0414	0.678	0.566	0.678	95% t-statistic UCL
			Arsenic	3 / 3	7.68	7.38	0.263	7.82	6.53	7.82	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.26	1.21	0.0431	1.28	1.07	1.28	95% t-statistic UCL
			Cadmium	3 / 3	1.01	0.932	0.0688	1.05	0.875	1.05	95% t-statistic UCL
			Chromium	3 / 3	26.3	24.9	1.4	27.2	22.7	27.2	95% t-statistic UCL
			Cobalt	3 / 3	7.78	7.38	0.386	8.03	6.71	8.03	95% t-statistic UCL
			Iron	3 / 3	21200	20800	351	21400	17900	21400	95% t-statistic UCL
			Lead	3 / 3	37.9	34.6	2.88	34.6	34.6	34.6	Mean
			RBA Adjusted Lead	3 / 3	31.9	29.1	2.42	29.1	29.1	29.1	Mean
			Manganese	3 / 3	515	509	6	519	433	519	95% t-statistic UCL
			Nickel	3 / 3	17.6	16.7	0.902	18.3	15.2	18.3	95% t-statistic UCL
			Thallium	3 / 3	0.164	0.155	0.0103	0.173	0.144	0.173	95% t-statistic UCL
			Vanadium	3 / 3	38	36.1	2.33	40	33.4	40	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
179-H1	576	House	Aluminum	3 / 3	19900	19300	557	20200	16900	20200	95% t-statistic UCL
			Antimony	3 / 3	1.25	1.14	0.115	1.33	1.11	1.33	95% t-statistic UCL
			Arsenic	3 / 3	12.4	12	0.551	13	10.8	13	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.03	1.97	0.0901	2.12	1.77	2.12	95% t-statistic UCL
			Cadmium	3 / 3	2.5	2.17	0.325	2.72	2.27	2.72	95% t-statistic UCL
			Chromium	3 / 3	21.9	21.7	0.321	22.2	18.5	22.2	95% t-statistic UCL
			Cobalt	3 / 3	6.77	6.62	0.14	6.86	5.73	6.86	95% t-statistic UCL
			Iron	3 / 3	19600	19200	346	19800	16500	19800	95% t-statistic UCL
			Lead	3 / 3	119	98.6	18.6	98.6	98.6	98.6	Mean
			RBA Adjusted Lead	3 / 3	100	82.9	15.6	82.9	82.9	82.9	Mean
			Manganese	3 / 3	641	627	12.8	649	542	649	95% t-statistic UCL
			Nickel	3 / 3	22.5	22.1	0.379	22.7	19	22.7	95% t-statistic UCL
			Thallium	3 / 3	0.219	0.208	0.011	0.226	0.189	0.226	95% t-statistic UCL
			Vanadium	3 / 3	30.7	30.3	0.321	30.9	25.8	30.9	95% t-statistic UCL
180-H1	577	House	Aluminum	1 / 1	11100	11100	N/A	13300	11100	13300	Result*CF
			Antimony	1 / 1	4.93	4.93	N/A	5.92	4.94	5.92	Result*CF
			Arsenic	1 / 1	18.2	18.2	N/A	21.8	18.2	21.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	5.02	5.02	N/A	6.02	5.03	6.02	Result*CF
			Cadmium	1 / 1	4.27	4.27	N/A	5.12	4.28	5.12	Result*CF
			Chromium	1 / 1	18.3	18.3	N/A	22	18.3	22	Result*CF
			Cobalt	1 / 1	5.33	5.33	N/A	6.4	5.34	6.4	Result*CF
			Iron	1 / 1	16600	16600	N/A	19900	16600	19900	Result*CF
			Lead	1 / 1	396	396	N/A	396	396	396	Mean
			RBA Adjusted Lead	1 / 1	422	422	N/A	422	422	422	Mean
			Manganese	1 / 1	337	337	N/A	404	338	404	Result*CF
			Nickel	1 / 1	13.5	13.5	N/A	16.2	13.5	16.2	Result*CF
			Thallium	1 / 1	0.457	0.457	N/A	0.548	0.458	0.548	Result*CF
			Vanadium	1 / 1	27.4	27.4	N/A	32.9	27.5	32.9	Result*CF
180-H2[d]	578[d]	House	Aluminum	--	9700	--	--	--	8100	9700	Maximum Backfill
			Antimony	--	0.34	--	--	--	0.284	0.34	Maximum Backfill
			Arsenic	--	3.3	--	--	--	2.76	3.3	Maximum Backfill
			RBA Adjusted Arsenic	--	0.91	--	--	--	0.76	0.91	Maximum Backfill
			Cadmium	--	0.28	--	--	--	0.234	0.28	Maximum Backfill
			Chromium	--	31	--	--	--	25.9	31	Maximum Backfill
			Cobalt	--	5.8	--	--	--	4.84	5.8	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	19	--	--	--	19	19	Maximum Backfill
			RBA Adjusted Lead	--	20.2	--	--	--	20.2	20.2	Maximum Backfill
			Manganese	--	310	--	--	--	259	310	Maximum Backfill
			Nickel	--	21	--	--	--	17.5	21	Maximum Backfill
			Thallium	--	0.11	--	--	--	0.0919	0.11	Maximum Backfill
			Vanadium	--	27	--	--	--	22.5	27	Maximum Backfill

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
180-O1	579	Other -Not Specified	Aluminum	3 / 3	12000	11800	200	12100	10100	12100	95% t-statistic UCL
			Antimony	3 / 3	8.34	7.08	1.59	9.76	8.15	9.76	95% t-statistic UCL
			Arsenic	3 / 3	23.7	21.7	2.57	26	21.7	26	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.2	2.93	0.347	3.52	2.94	3.52	95% t-statistic UCL
			Cadmium	3 / 3	6.88	6.27	0.567	7.23	6.03	7.23	95% t-statistic UCL
			Chromium	3 / 3	22.9	21.9	0.907	23.5	19.6	23.5	95% t-statistic UCL
			Cobalt	3 / 3	6.26	6.02	0.208	6.37	5.32	6.37	95% t-statistic UCL
			Iron	3 / 3	19500	18900	551	19800	16500	19800	95% t-statistic UCL
			Lead	3 / 3	600	526	92.2	526	526	526	Mean
			RBA Adjusted Lead	3 / 3	547	480	84	480	480	480	Mean
			Manganese	3 / 3	442	414	26.6	459	383	459	95% t-statistic UCL
			Nickel	3 / 3	15.9	15.3	0.529	16.2	13.5	16.2	95% t-statistic UCL
			Thallium	3 / 3	0.682	0.627	0.0907	0.78	0.651	0.78	95% t-statistic UCL
			Vanadium	3 / 3	35.8	34.5	1.3	36.7	30.6	36.7	95% t-statistic UCL
181-A1	580	Agriculture	Aluminum	1 / 1	22500	22500	N/A	27000	22500	27000	Result*CF
			Antimony	1 / 1	1.52	1.52	N/A	1.82	1.52	1.82	Result*CF
			Arsenic	1 / 1	14.3	14.3	N/A	17.2	14.3	17.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.94	3.94	N/A	4.73	3.95	4.73	Result*CF
			Cadmium	1 / 1	2.55	2.55	N/A	3.06	2.56	3.06	Result*CF
			Chromium	1 / 1	17.5	17.5	N/A	21	17.5	21	Result*CF
			Cobalt	1 / 1	6.35	6.35	N/A	7.62	6.36	7.62	Result*CF
			Iron	1 / 1	16300	16300	N/A	19600	16300	19600	Result*CF
			Lead	1 / 1	99.6	99.6	N/A	99.6	99.6	99.6	Mean
			RBA Adjusted Lead	1 / 1	106	106	N/A	106	106	106	Mean
			Manganese	1 / 1	739	739	N/A	887	740	887	Result*CF
			Nickel	1 / 1	18.9	18.9	N/A	22.7	18.9	22.7	Result*CF
			Thallium	1 / 1	0.207	0.207	N/A	0.248	0.207	0.248	Result*CF
			Vanadium	1 / 1	27.1	27.1	N/A	32.5	27.2	32.5	Result*CF
181-G1	581	Garden	Aluminum	1 / 1	12900	12900	N/A	15500	12900	15500	Result*CF
			Antimony	1 / 1	0.877	0.877	N/A	1.05	0.879	1.05	Result*CF
			Arsenic	1 / 1	10.4	10.4	N/A	12.5	10.4	12.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.87	2.87	N/A	3.44	2.87	3.44	Result*CF
			Cadmium	1 / 1	0.989	0.989	N/A	1.19	0.991	1.19	Result*CF
			Chromium	1 / 1	16.1	16.1	N/A	19.3	16.1	19.3	Result*CF
			Cobalt	1 / 1	5.98	5.98	N/A	7.18	5.99	7.18	Result*CF
			Iron	1 / 1	15100	15100	N/A	18100	15100	18100	Result*CF
			Lead	1 / 1	45.7	45.7	N/A	45.7	45.7	45.7	Mean
			RBA Adjusted Lead	1 / 1	48.7	48.7	N/A	48.7	48.7	48.7	Mean
			Manganese	1 / 1	460	460	N/A	552	461	552	Result*CF
			Nickel	1 / 1	14.6	14.6	N/A	17.5	14.6	17.5	Result*CF
			Thallium	1 / 1	0.134	0.134	N/A	0.161	0.134	0.161	Result*CF
			Vanadium	1 / 1	24	24	N/A	28.8	24	28.8	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
181-G2	582	Garden	Aluminum	3 / 3	25400	24300	1160	26300	21900	26300	95% t-statistic UCL
			Antimony	3 / 3	2	1.87	0.114	2.07	1.72	2.07	95% t-statistic UCL
			Arsenic	3 / 3	17.6	16.9	0.611	18	15	18	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.85	4.67	0.168	4.95	4.13	4.95	95% t-statistic UCL
			Cadmium	3 / 3	2.97	2.84	0.161	3.11	2.6	3.11	95% t-statistic UCL
			Chromium	3 / 3	24.3	22.7	1.39	25	20.9	25	95% t-statistic UCL
			Cobalt	3 / 3	8.64	8.25	0.34	8.82	7.37	8.82	95% t-statistic UCL
			Iron	3 / 3	19500	18900	666	20100	16700	20100	95% t-statistic UCL
			Lead	3 / 3	114	105	8.36	105	105	105	Mean
			RBA Adjusted Lead	3 / 3	121	112	8.9	112	112	112	Mean
			Manganese	3 / 3	779	773	8.5	787	657	787	95% t-statistic UCL
			Nickel	3 / 3	22.6	21.5	0.981	23.1	19.3	23.1	95% t-statistic UCL
			Thallium	3 / 3	0.261	0.246	0.0127	0.268	0.224	0.268	95% t-statistic UCL
			Vanadium	3 / 3	38.3	36	2	39.4	32.9	39.4	95% t-statistic UCL
181-H1	583	House	Aluminum	1 / 1	21100	21100	N/A	25300	21100	25300	Result*CF
			Antimony	1 / 1	1.88	1.88	N/A	2.26	1.88	2.26	Result*CF
			Arsenic	1 / 1	15.6	15.6	N/A	18.7	15.6	18.7	Result*CF
			RBA Adjusted Arsenic	1 / 1	4.3	4.3	N/A	5.16	4.31	5.16	Result*CF
			Cadmium	1 / 1	3.14	3.14	N/A	3.77	3.15	3.77	Result*CF
			Chromium	1 / 1	20.7	20.7	N/A	24.8	20.7	24.8	Result*CF
			Cobalt	1 / 1	7.4	7.4	N/A	8.88	7.41	8.88	Result*CF
			Iron	1 / 1	17400	17400	N/A	20900	17400	20900	Result*CF
			Lead	1 / 1	114	114	N/A	114	114	114	Mean
			RBA Adjusted Lead	1 / 1	121	121	N/A	121	121	121	Mean
			Manganese	1 / 1	807	807	N/A	968	809	968	Result*CF
			Nickel	1 / 1	18.8	18.8	N/A	22.6	18.8	22.6	Result*CF
			Thallium	1 / 1	0.219	0.219	N/A	0.263	0.219	0.263	Result*CF
			Vanadium	1 / 1	31	31	N/A	37.2	31.1	37.2	Result*CF
181-H2	584	House	Aluminum	1 / 1	23900	23900	N/A	28700	23900	28700	Result*CF
			Antimony	1 / 1	1.93	1.93	N/A	2.32	1.93	2.32	Result*CF
			Arsenic	1 / 1	18.4	18.4	N/A	22.1	18.4	22.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	5.07	5.07	N/A	6.09	5.08	6.09	Result*CF
			Cadmium	1 / 1	2.97	2.97	N/A	3.56	2.98	3.56	Result*CF
			Chromium	1 / 1	20.8	20.8	N/A	25	20.8	25	Result*CF
			Cobalt	1 / 1	7.73	7.73	N/A	9.28	7.75	9.28	Result*CF
			Iron	1 / 1	18400	18400	N/A	22100	18400	22100	Result*CF
			Lead	1 / 1	108	108	N/A	108	108	108	Mean
			RBA Adjusted Lead	1 / 1	115	115	N/A	115	115	115	Mean
			Manganese	1 / 1	780	780	N/A	936	782	936	Result*CF
			Nickel	1 / 1	19.5	19.5	N/A	23.4	19.5	23.4	Result*CF
			Thallium	1 / 1	0.236	0.236	N/A	0.283	0.236	0.283	Result*CF
			Vanadium	1 / 1	32.5	32.5	N/A	39	32.6	39	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
181-N1	585	Animal Activity Area	Aluminum	1 / 1	24100	24100	N/A	28900	24100	28900	Result*CF
			Antimony	1 / 1	1.89	1.89	N/A	2.27	1.89	2.27	Result*CF
			Arsenic	1 / 1	18.9	18.9	N/A	22.7	18.9	22.7	Result*CF
			RBA Adjusted Arsenic	1 / 1	5.21	5.21	N/A	6.25	5.22	6.25	Result*CF
			Cadmium	1 / 1	3.34	3.34	N/A	4.01	3.35	4.01	Result*CF
			Chromium	1 / 1	19.5	19.5	N/A	23.4	19.5	23.4	Result*CF
			Cobalt	1 / 1	7.52	7.52	N/A	9.02	7.54	9.02	Result*CF
			Iron	1 / 1	17700	17700	N/A	21200	17700	21200	Result*CF
			Lead	1 / 1	119	119	N/A	119	119	119	Mean
			RBA Adjusted Lead	1 / 1	127	127	N/A	127	127	127	Mean
			Manganese	1 / 1	842	842	N/A	1010	844	1010	Result*CF
			Nickel	1 / 1	18.6	18.6	N/A	22.3	18.6	22.3	Result*CF
			Thallium	1 / 1	0.236	0.236	N/A	0.283	0.236	0.283	Result*CF
			Vanadium	1 / 1	30.6	30.6	N/A	36.7	30.7	36.7	Result*CF
181-N2	586	Animal Activity Area	Aluminum	1 / 1	20000	20000	N/A	24000	20000	24000	Result*CF
			Antimony	1 / 1	2.32	2.32	N/A	2.78	2.32	2.78	Result*CF
			Arsenic	1 / 1	16.1	16.1	N/A	19.3	16.1	19.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	4.44	4.44	N/A	5.33	4.45	5.33	Result*CF
			Cadmium	1 / 1	3.54	3.54	N/A	4.25	3.55	4.25	Result*CF
			Chromium	1 / 1	18.8	18.8	N/A	22.6	18.8	22.6	Result*CF
			Cobalt	1 / 1	6.58	6.58	N/A	7.9	6.59	7.9	Result*CF
			Iron	1 / 1	16000	16000	N/A	19200	16000	19200	Result*CF
			Lead	1 / 1	130	130	N/A	130	130	130	Mean
			RBA Adjusted Lead	1 / 1	138	138	N/A	138	138	138	Mean
			Manganese	1 / 1	820	820	N/A	984	822	984	Result*CF
			Nickel	1 / 1	18.6	18.6	N/A	22.3	18.6	22.3	Result*CF
			Thallium	1 / 1	0.221	0.221	N/A	0.265	0.221	0.265	Result*CF
			Vanadium	1 / 1	28.3	28.3	N/A	34	28.4	34	Result*CF
181-O1	587	Other -Not Specified	Aluminum	1 / 1	16800	16800	N/A	20200	16800	20200	Result*CF
			Antimony	1 / 1	0.878	0.878	N/A	1.05	0.88	1.05	Result*CF
			Arsenic	1 / 1	9.05	9.05	N/A	10.9	9.07	10.9	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.49	2.49	N/A	2.99	2.5	2.99	Result*CF
			Cadmium	1 / 1	1.59	1.59	N/A	1.91	1.59	1.91	Result*CF
			Chromium	1 / 1	20.8	20.8	N/A	25	20.8	25	Result*CF
			Cobalt	1 / 1	6.92	6.92	N/A	8.3	6.93	8.3	Result*CF
			Iron	1 / 1	16300	16300	N/A	19600	16300	19600	Result*CF
			Lead	1 / 1	53.8	53.8	N/A	53.8	53.8	53.8	Mean
			RBA Adjusted Lead	1 / 1	57.3	57.3	N/A	57.3	57.3	57.3	Mean
			Manganese	1 / 1	544	544	N/A	653	545	653	Result*CF
			Nickel	1 / 1	19.3	19.3	N/A	23.2	19.3	23.2	Result*CF
			Thallium	1 / 1	0.175	0.175	N/A	0.21	0.175	0.21	Result*CF
			Vanadium	1 / 1	30	30	N/A	36	30.1	36	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
182-G1	588	Garden	Aluminum	1 / 1	20500	20500	N/A	24600	20500	24600	Result*CF
			Antimony	1 / 1	2.39	2.39	N/A	2.87	2.39	2.87	Result*CF
			Arsenic	1 / 1	14.4	14.4	N/A	17.3	14.4	17.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.36	2.36	N/A	2.83	2.36	2.83	Result*CF
			Cadmium	1 / 1	6.34	6.34	N/A	7.61	6.35	7.61	Result*CF
			Chromium	1 / 1	30	30	N/A	36	30.1	36	Result*CF
			Cobalt	1 / 1	9.17	9.17	N/A	11	9.19	11	Result*CF
			Iron	1 / 1	18800	18800	N/A	22600	18800	22600	Result*CF
			Lead	1 / 1	237	237	N/A	237	237	237	Mean
			RBA Adjusted Lead	1 / 1	199	199	N/A	199	199	199	Mean
			Manganese	1 / 1	779	779	N/A	935	781	935	Result*CF
			Nickel	1 / 1	30.9	30.9	N/A	37.1	31	37.1	Result*CF
			Thallium	1 / 1	0.291	0.291	N/A	0.349	0.292	0.349	Result*CF
			Vanadium	1 / 1	35.7	35.7	N/A	42.8	35.8	42.8	Result*CF
182-G2	589	Garden	Aluminum	1 / 1	24600	24600	N/A	29500	24600	29500	Result*CF
			Antimony	1 / 1	2.65	2.65	N/A	3.18	2.66	3.18	Result*CF
			Arsenic	1 / 1	19.6	19.6	N/A	23.5	19.6	23.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	4.8	4.8	N/A	5.76	4.81	5.76	Result*CF
			Cadmium	1 / 1	6.58	6.58	N/A	7.9	6.59	7.9	Result*CF
			Chromium	1 / 1	31.2	31.2	N/A	37.4	31.3	37.4	Result*CF
			Cobalt	1 / 1	10.3	10.3	N/A	12.4	10.3	12.4	Result*CF
			Iron	1 / 1	20000	20000	N/A	24000	20000	24000	Result*CF
			Lead	1 / 1	195	195	N/A	195	195	195	Mean
			RBA Adjusted Lead	1 / 1	180	180	N/A	180	180	180	Mean
			Manganese	1 / 1	1050	1050	N/A	1260	1050	1260	Result*CF
			Nickel	1 / 1	31.8	31.8	N/A	38.2	31.9	38.2	Result*CF
			Thallium	1 / 1	0.303	0.303	N/A	0.364	0.304	0.364	Result*CF
			Vanadium	1 / 1	39.1	39.1	N/A	46.9	39.2	46.9	Result*CF
182-H1	590	House	Aluminum	1 / 1	18100	18100	N/A	21700	18100	21700	Result*CF
			Antimony	1 / 1	1.73	1.73	N/A	2.08	1.73	2.08	Result*CF
			Arsenic	1 / 1	10.9	10.9	N/A	13.1	10.9	13.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.9	1.9	N/A	2.28	1.91	2.28	Result*CF
			Cadmium	1 / 1	4.48	4.48	N/A	5.38	4.49	5.38	Result*CF
			Chromium	1 / 1	30.2	30.2	N/A	36.2	30.3	36.2	Result*CF
			Cobalt	1 / 1	8.96	8.96	N/A	10.8	8.98	10.8	Result*CF
			Iron	1 / 1	19100	19100	N/A	22900	19100	22900	Result*CF
			Lead	1 / 1	161	161	N/A	161	161	161	Mean
			RBA Adjusted Lead	1 / 1	139	139	N/A	139	139	139	Mean
			Manganese	1 / 1	673	673	N/A	808	674	808	Result*CF
			Nickel	1 / 1	28.7	28.7	N/A	34.4	28.8	34.4	Result*CF
			Thallium	1 / 1	0.266	0.266	N/A	0.319	0.267	0.319	Result*CF
			Vanadium	1 / 1	36.7	36.7	N/A	44	36.8	44	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
182-H2	591	House	Aluminum	1 / 1	17000	17000	N/A	20400	17000	20400	Result*CF
			Antimony	1 / 1	1.64	1.64	N/A	1.97	1.64	1.97	Result*CF
			Arsenic	1 / 1	11	11	N/A	13.2	11	13.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.8	1.8	N/A	2.16	1.8	2.16	Result*CF
			Cadmium	1 / 1	3.89	3.89	N/A	4.67	3.9	4.67	Result*CF
			Chromium	1 / 1	33.8	33.8	N/A	40.6	33.9	40.6	Result*CF
			Cobalt	1 / 1	10.2	10.2	N/A	12.2	10.2	12.2	Result*CF
			Iron	1 / 1	20700	20700	N/A	24800	20700	24800	Result*CF
			Lead	1 / 1	159	159	N/A	159	159	159	Mean
			RBA Adjusted Lead	1 / 1	134	134	N/A	134	134	134	Mean
			Manganese	1 / 1	683	683	N/A	820	684	820	Result*CF
			Nickel	1 / 1	29.5	29.5	N/A	35.4	29.6	35.4	Result*CF
			Thallium	1 / 1	0.245	0.245	N/A	0.294	0.245	0.294	Result*CF
			Vanadium	1 / 1	39.6	39.6	N/A	47.5	39.7	47.5	Result*CF
182-O1	592	Other -Not Specified	Aluminum	1 / 1	16100	16100	N/A	19300	16100	19300	Result*CF
			Antimony	1 / 1	1.38	1.38	N/A	1.66	1.38	1.66	Result*CF
			Arsenic	1 / 1	10.2	10.2	N/A	12.2	10.2	12.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.67	1.67	N/A	2	1.67	2	Result*CF
			Cadmium	1 / 1	3.28	3.28	N/A	3.94	3.29	3.94	Result*CF
			Chromium	1 / 1	32	32	N/A	38.4	32.1	38.4	Result*CF
			Cobalt	1 / 1	9.22	9.22	N/A	11.1	9.24	11.1	Result*CF
			Iron	1 / 1	20500	20500	N/A	24600	20500	24600	Result*CF
			Lead	1 / 1	131	131	N/A	131	131	131	Mean
			RBA Adjusted Lead	1 / 1	110	110	N/A	110	110	110	Mean
			Manganese	1 / 1	591	591	N/A	709	592	709	Result*CF
			Nickel	1 / 1	28.4	28.4	N/A	34.1	28.5	34.1	Result*CF
			Thallium	1 / 1	0.235	0.235	N/A	0.282	0.235	0.282	Result*CF
			Vanadium	1 / 1	37.8	37.8	N/A	45.4	37.9	45.4	Result*CF
182-O2	593	Other -Not Specified	Aluminum	1 / 1	26900	26900	N/A	32300	27000	32300	Result*CF
			Antimony	1 / 1	2.41	2.41	N/A	2.89	2.41	2.89	Result*CF
			Arsenic	1 / 1	21.1	21.1	N/A	25.3	21.1	25.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	5.03	5.03	N/A	6.04	5.04	6.04	Result*CF
			Cadmium	1 / 1	6.06	6.06	N/A	7.27	6.07	7.27	Result*CF
			Chromium	1 / 1	25.5	25.5	N/A	30.6	25.6	30.6	Result*CF
			Cobalt	1 / 1	9.21	9.21	N/A	11.1	9.23	11.1	Result*CF
			Iron	1 / 1	19900	19900	N/A	23900	19900	23900	Result*CF
			Lead	1 / 1	215	215	N/A	215	215	215	Mean
			RBA Adjusted Lead	1 / 1	186	186	N/A	186	186	186	Mean
			Manganese	1 / 1	987	987	N/A	1180	989	1180	Result*CF
			Nickel	1 / 1	28.8	28.8	N/A	34.6	28.9	34.6	Result*CF
			Thallium	1 / 1	0.293	0.293	N/A	0.352	0.294	0.352	Result*CF
			Vanadium	1 / 1	31.7	31.7	N/A	38	31.8	38	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
182-O3	594	Other -Not Specified	Aluminum	3 / 3	17900	17500	608	18500	15500	18500	95% t-statistic UCL
			Antimony	3 / 3	2.49	2.32	0.162	2.59	2.16	2.59	95% t-statistic UCL
			Arsenic	3 / 3	14.3	14.2	0.153	14.4	12	14.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.34	2.32	0.025	2.36	1.97	2.36	95% t-statistic UCL
			Cadmium	3 / 3	7.34	6.9	0.387	7.55	6.3	7.55	95% t-statistic UCL
			Chromium	3 / 3	29.3	28.7	0.814	30.1	25.1	30.1	95% t-statistic UCL
			Cobalt	3 / 3	8.69	8.46	0.321	9	7.51	9	95% t-statistic UCL
			Iron	3 / 3	18900	18500	346	19100	15900	19100	95% t-statistic UCL
			Lead	3 / 3	229	212	14.7	212	212	212	Mean
			RBA Adjusted Lead	3 / 3	193	179	12.4	179	179	179	Mean
			Manganese	3 / 3	838	829	8.33	843	704	843	95% t-statistic UCL
			Nickel	3 / 3	32.7	32.2	0.866	33.7	28.1	33.7	95% t-statistic UCL
			Thallium	3 / 3	0.382	0.327	0.048	0.408	0.34	0.408	95% t-statistic UCL
			Vanadium	3 / 3	32.9	32	0.954	33.6	28.1	33.6	95% t-statistic UCL
184-H1	595	House	Aluminum	3 / 3	9030	8760	256	9190	7680	9190	95% t-statistic UCL
			Antimony	3 / 3	2.6	2.26	0.335	2.83	2.36	2.83	95% t-statistic UCL
			Arsenic	3 / 3	14.4	13.4	0.839	14.8	12.4	14.8	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.97	3.7	0.231	4.09	3.42	4.09	95% t-statistic UCL
			Cadmium	3 / 3	5	4.42	0.565	5.38	4.49	5.38	95% t-statistic UCL
			Chromium	3 / 3	13.8	13.4	0.404	14	11.7	14	95% t-statistic UCL
			Cobalt	3 / 3	4.81	4.61	0.182	4.92	4.11	4.92	95% t-statistic UCL
			Iron	3 / 3	13400	13100	265	13500	11300	13500	95% t-statistic UCL
			Lead	3 / 3	206	177	31.9	177	177	177	Mean
			RBA Adjusted Lead	3 / 3	219	189	34	189	189	189	Mean
			Manganese	3 / 3	507	479	24	520	434	520	95% t-statistic UCL
			Nickel	3 / 3	12	11.5	0.473	12.3	10.2	12.3	95% t-statistic UCL
			Thallium	3 / 3	0.3	0.265	0.0303	0.316	0.264	0.316	95% t-statistic UCL
			Vanadium	3 / 3	20.7	19.9	0.709	21.1	17.6	21.1	95% t-statistic UCL
185-A1	596	Agriculture	Aluminum	3 / 3	13800	13300	436	14000	11700	14000	95% t-statistic UCL
			Antimony	3 / 3	1.65	1.55	0.0872	1.7	1.42	1.7	95% t-statistic UCL
			Arsenic	3 / 3	10.8	10.1	0.586	11.1	9.29	11.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.77	1.66	0.0959	1.82	1.52	1.82	95% t-statistic UCL
			Cadmium	3 / 3	2.25	2.1	0.129	2.32	1.94	2.32	95% t-statistic UCL
			Chromium	3 / 3	20.6	19	1.42	21.4	17.8	21.4	95% t-statistic UCL
			Cobalt	3 / 3	7.11	6.65	0.404	7.33	6.12	7.33	95% t-statistic UCL
			Iron	3 / 3	17400	17100	265	17500	14700	17500	95% t-statistic UCL
			Lead	3 / 3	42.4	40.2	1.88	40.2	40.2	40.2	Mean
			RBA Adjusted Lead	3 / 3	35.7	33.8	1.58	33.8	33.8	33.8	Mean
			Manganese	3 / 3	280	278	1.73	281	235	281	95% t-statistic UCL
			Nickel	3 / 3	29.6	27.6	1.7	30.5	25.5	30.5	95% t-statistic UCL
			Thallium	3 / 3	0.265	0.246	0.017	0.274	0.229	0.274	95% t-statistic UCL
			Vanadium	3 / 3	45.3	41.5	3.28	47.1	39.3	47.1	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
185G	33	Garden	Aluminum	1 / 1	19700	19700	N/A	23600	19700	23600	Result*CF
			Antimony	1 / 1	0.761	0.761	N/A	0.913	0.763	0.913	Result*CF
			Arsenic	1 / 1	13.8	13.8	N/A	16.6	13.8	16.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.8	3.8	N/A	4.56	3.81	4.56	Result*CF
			Cadmium	1 / 1	0.986	0.986	N/A	1.18	0.988	1.18	Result*CF
			Chromium	1 / 1	35	35	N/A	42	35.1	42	Result*CF
			Cobalt	1 / 1	11.7	11.7	N/A	14	11.7	14	Result*CF
			Iron	1 / 1	21300	21300	N/A	25600	21300	25600	Result*CF
			Lead	1 / 1	66.7	66.7	N/A	66.7	66.7	66.7	Mean
			RBA Adjusted Lead	1 / 1	71	71	N/A	71	71	71	Mean
			Manganese	1 / 1	457	457	N/A	548	458	548	Result*CF
			Nickel	1 / 1	22.4	22.4	N/A	26.9	22.4	26.9	Result*CF
			Thallium	1 / 1	0.234	0.234	N/A	0.281	0.234	0.281	Result*CF
			Vanadium	1 / 1	47.4	47.4	N/A	56.9	47.5	56.9	Result*CF
185-H1	597	House	Aluminum	1 / 1	12900	12900	N/A	15500	12900	15500	Result*CF
			Antimony	1 / 1	1.24	1.24	N/A	1.49	1.24	1.49	Result*CF
			Arsenic	1 / 1	8.79	8.79	N/A	10.5	8.81	10.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.44	1.44	N/A	1.73	1.44	1.73	Result*CF
			Cadmium	1 / 1	1.95	1.95	N/A	2.34	1.95	2.34	Result*CF
			Chromium	1 / 1	17.3	17.3	N/A	20.8	17.3	20.8	Result*CF
			Cobalt	1 / 1	5.92	5.92	N/A	7.1	5.93	7.1	Result*CF
			Iron	1 / 1	16200	16200	N/A	19400	16200	19400	Result*CF
			Lead	1 / 1	38.7	38.7	N/A	38.7	38.7	38.7	Mean
			RBA Adjusted Lead	1 / 1	32.6	32.6	N/A	32.6	32.6	32.6	Mean
			Manganese	1 / 1	291	291	N/A	349	292	349	Result*CF
			Nickel	1 / 1	22.9	22.9	N/A	27.5	22.9	27.5	Result*CF
			Thallium	1 / 1	0.223	0.223	N/A	0.268	0.223	0.268	Result*CF
			Vanadium	1 / 1	34.8	34.8	N/A	41.8	34.9	41.8	Result*CF
186-O1	598	Other -Not Specified	Aluminum	3 / 3	5570	5420	224	5790	4840	5790	95% t-statistic UCL
			Antimony	3 / 3	3.84	3.49	0.528	4.38	3.65	4.38	95% t-statistic UCL
			Arsenic	3 / 3	21.2	19.4	2.02	22.8	19	22.8	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.47	3.17	0.331	3.73	3.11	3.73	95% t-statistic UCL
			Cadmium	3 / 3	8.31	8.09	0.37	8.71	7.27	8.71	95% t-statistic UCL
			Chromium	3 / 3	16.9	16	1.31	18.2	15.2	18.2	95% t-statistic UCL
			Cobalt	3 / 3	5.32	5.07	0.393	5.74	4.79	5.74	95% t-statistic UCL
			Iron	3 / 3	30600	28900	1700	31700	26500	31700	95% t-statistic UCL
			Lead	3 / 3	436	416	34.6	416	416	416	Mean
			RBA Adjusted Lead	3 / 3	367	350	29.1	350	350	350	Mean
			Manganese	3 / 3	415	403	13.7	426	355	426	95% t-statistic UCL
			Nickel	3 / 3	15	14.3	0.907	15.9	13.2	15.9	95% t-statistic UCL
			Thallium	3 / 3	0.302	0.284	0.018	0.314	0.262	0.314	95% t-statistic UCL
			Vanadium	3 / 3	36.1	33.9	2.64	38.4	32	38.4	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
187-H1	599	House	Aluminum	3 / 3	11500	11300	153	11600	9680	11600	95% t-statistic UCL
			Antimony	3 / 3	2.2	2.14	0.104	2.32	1.93	2.32	95% t-statistic UCL
			Arsenic	3 / 3	13.3	13.1	0.153	13.4	11.2	13.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.936	0.924	0.0107	0.942	0.787	0.942	95% t-statistic UCL
			Cadmium	3 / 3	4.1	4	0.095	4.16	3.48	4.16	95% t-statistic UCL
			Chromium	3 / 3	20.2	19.8	0.361	20.4	17	20.4	95% t-statistic UCL
			Cobalt	3 / 3	6.77	6.57	0.191	6.89	5.75	6.89	95% t-statistic UCL
			Iron	3 / 3	17200	17100	57.7	17200	14400	17200	95% t-statistic UCL
			Lead	3 / 3	177	172	6.24	172	172	172	Mean
			RBA Adjusted Lead	3 / 3	111	108	3.9	108	108	108	Mean
			Manganese	3 / 3	520	512	6.81	524	437	524	95% t-statistic UCL
			Nickel	3 / 3	14.9	14.5	0.4	15.2	12.7	15.2	95% t-statistic UCL
			Thallium	3 / 3	0.309	0.291	0.0161	0.318	0.265	0.318	95% t-statistic UCL
			Vanadium	3 / 3	32.3	31.5	0.709	32.7	27.3	32.7	95% t-statistic UCL
188-A1	600	Agriculture	Aluminum	1 / 1	16000	16000	N/A	19200	16000	19200	Result*CF
			Antimony	1 / 1	1.27	1.27	N/A	1.52	1.27	1.52	Result*CF
			Arsenic	1 / 1	8.46	8.46	N/A	10.2	8.48	10.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.38	1.38	N/A	1.66	1.39	1.66	Result*CF
			Cadmium	1 / 1	2.89	2.89	N/A	3.47	2.9	3.47	Result*CF
			Chromium	1 / 1	20	20	N/A	24	20	24	Result*CF
			Cobalt	1 / 1	7.06	7.06	N/A	8.47	7.07	8.47	Result*CF
			Iron	1 / 1	17800	17800	N/A	21400	17800	21400	Result*CF
			Lead	1 / 1	93	93	N/A	93	93	93	Mean
			RBA Adjusted Lead	1 / 1	78.2	78.2	N/A	78.2	78.2	78.2	Mean
			Manganese	1 / 1	803	803	N/A	964	805	964	Result*CF
			Nickel	1 / 1	23.4	23.4	N/A	28.1	23.4	28.1	Result*CF
			Thallium	1 / 1	0.175	0.175	N/A	0.21	0.175	0.21	Result*CF
			Vanadium	1 / 1	23.4	23.4	N/A	28.1	23.4	28.1	Result*CF
188-G1	601	Garden	Aluminum	1 / 1	15500	15500	N/A	18600	15500	18600	Result*CF
			Antimony	1 / 1	1.86	1.86	N/A	2.23	1.86	2.23	Result*CF
			Arsenic	1 / 1	10.8	10.8	N/A	13	10.8	13	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.77	1.77	N/A	2.12	1.77	2.12	Result*CF
			Cadmium	1 / 1	3.41	3.41	N/A	4.09	3.42	4.09	Result*CF
			Chromium	1 / 1	25	25	N/A	30	25.1	30	Result*CF
			Cobalt	1 / 1	7.65	7.65	N/A	9.18	7.67	9.18	Result*CF
			Iron	1 / 1	18600	18600	N/A	22300	18600	22300	Result*CF
			Lead	1 / 1	139	139	N/A	139	139	139	Mean
			RBA Adjusted Lead	1 / 1	117	117	N/A	117	117	117	Mean
			Manganese	1 / 1	706	706	N/A	847	707	847	Result*CF
			Nickel	1 / 1	28.4	28.4	N/A	34.1	28.5	34.1	Result*CF
			Thallium	1 / 1	0.205	0.205	N/A	0.246	0.205	0.246	Result*CF
			Vanadium	1 / 1	24.2	24.2	N/A	29	24.2	29	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
188-G2	602	Garden	Aluminum	1 / 1	16600	16600	N/A	19900	16600	19900	Result*CF
			Antimony	1 / 1	2.2	2.2	N/A	2.64	2.2	2.64	Result*CF
			Arsenic	1 / 1	13.1	13.1	N/A	15.7	13.1	15.7	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.14	2.14	N/A	2.57	2.15	2.57	Result*CF
			Cadmium	1 / 1	3.97	3.97	N/A	4.76	3.98	4.76	Result*CF
			Chromium	1 / 1	24.3	24.3	N/A	29.2	24.3	29.2	Result*CF
			Cobalt	1 / 1	8.28	8.28	N/A	9.94	8.3	9.94	Result*CF
			Iron	1 / 1	18000	18000	N/A	21600	18000	21600	Result*CF
			Lead	1 / 1	145	145	N/A	145	145	145	Mean
			RBA Adjusted Lead	1 / 1	122	122	N/A	122	122	122	Mean
			Manganese	1 / 1	899	899	N/A	1080	901	1080	Result*CF
			Nickel	1 / 1	32.3	32.3	N/A	38.8	32.4	38.8	Result*CF
			Thallium	1 / 1	0.213	0.213	N/A	0.256	0.213	0.256	Result*CF
			Vanadium	1 / 1	24.1	24.1	N/A	28.9	24.1	28.9	Result*CF
188-G3	603	Garden	Aluminum	1 / 1	14800	14800	N/A	17800	14800	17800	Result*CF
			Antimony	1 / 1	1.25	1.25	N/A	1.5	1.25	1.5	Result*CF
			Arsenic	1 / 1	9.44	9.44	N/A	11.3	9.46	11.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.55	1.55	N/A	1.85	1.55	1.85	Result*CF
			Cadmium	1 / 1	2.14	2.14	N/A	2.57	2.14	2.57	Result*CF
			Chromium	1 / 1	24.5	24.5	N/A	29.4	24.5	29.4	Result*CF
			Cobalt	1 / 1	7.21	7.21	N/A	8.65	7.22	8.65	Result*CF
			Iron	1 / 1	17700	17700	N/A	21200	17700	21200	Result*CF
			Lead	1 / 1	73.3	73.3	N/A	73.3	73.3	73.3	Mean
			RBA Adjusted Lead	1 / 1	61.7	61.7	N/A	61.7	61.7	61.7	Mean
			Manganese	1 / 1	627	627	N/A	752	628	752	Result*CF
			Nickel	1 / 1	18.7	18.7	N/A	22.4	18.7	22.4	Result*CF
			Thallium	1 / 1	0.181	0.181	N/A	0.217	0.181	0.217	Result*CF
			Vanadium	1 / 1	26.6	26.6	N/A	31.9	26.7	31.9	Result*CF
188-H1	604	House	Aluminum	1 / 1	12300	12300	N/A	14800	12300	14800	Result*CF
			Antimony	1 / 1	0.722	0.722	N/A	0.866	0.723	0.866	Result*CF
			Arsenic	1 / 1	5.25	5.25	N/A	6.3	5.26	6.3	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.859	0.859	N/A	1.03	0.861	1.03	Result*CF
			Cadmium	1 / 1	1.23	1.23	N/A	1.48	1.23	1.48	Result*CF
			Chromium	1 / 1	25.1	25.1	N/A	30.1	25.2	30.1	Result*CF
			Cobalt	1 / 1	6.66	6.66	N/A	7.99	6.67	7.99	Result*CF
			Iron	1 / 1	16300	16300	N/A	19600	16300	19600	Result*CF
			Lead	1 / 1	46.4	46.4	N/A	46.4	46.4	46.4	Mean
			RBA Adjusted Lead	1 / 1	39	39	N/A	39	39	39	Mean
			Manganese	1 / 1	531	531	N/A	637	532	637	Result*CF
			Nickel	1 / 1	37.2	37.2	N/A	44.6	37.3	44.6	Result*CF
			Thallium	1 / 1	0.169	0.169	N/A	0.203	0.169	0.203	Result*CF
			Vanadium	1 / 1	26.3	26.3	N/A	31.6	26.4	31.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
188-P1	605	Play Area	Aluminum	3 / 3	14300	13900	404	14600	12200	14600	95% t-statistic UCL
			Antimony	3 / 3	0.986	0.929	0.0894	1.08	0.902	1.08	95% t-statistic UCL
			Arsenic	3 / 3	7.1	6.89	0.355	7.49	6.25	7.49	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.16	1.13	0.0581	1.23	1.02	1.23	95% t-statistic UCL
			Cadmium	3 / 3	2.08	2	0.112	2.18	1.82	2.18	95% t-statistic UCL
			Chromium	3 / 3	18.7	17.4	1.3	19.6	16.3	19.6	95% t-statistic UCL
			Cobalt	3 / 3	6.52	6.14	0.48	6.95	5.8	6.95	95% t-statistic UCL
			Iron	3 / 3	17100	16900	153	17200	14400	17200	95% t-statistic UCL
			Lead	3 / 3	70.4	67.3	4.06	67.3	67.3	67.3	Mean
			RBA Adjusted Lead	3 / 3	59.2	56.6	3.42	56.6	56.6	56.6	Mean
			Manganese	3 / 3	609	597	10.4	615	513	615	95% t-statistic UCL
			Nickel	3 / 3	16.4	15.1	1.25	17.2	14.4	17.2	95% t-statistic UCL
			Thallium	3 / 3	0.163	0.155	0.01	0.172	0.144	0.172	95% t-statistic UCL
			Vanadium	3 / 3	24.8	23.2	1.83	26.3	22	26.3	95% t-statistic UCL
189-G1	606	Garden	Aluminum	1 / 1	12200	12200	N/A	14600	12200	14600	Result*CF
			Antimony	1 / 1	0.785	0.785	N/A	0.942	0.787	0.942	Result*CF
			Arsenic	1 / 1	5.96	5.96	N/A	7.15	5.97	7.15	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.976	0.976	N/A	1.17	0.977	1.17	Result*CF
			Cadmium	1 / 1	1	1	N/A	1.2	1	1.2	Result*CF
			Chromium	1 / 1	22.6	22.6	N/A	27.1	22.6	27.1	Result*CF
			Cobalt	1 / 1	6.22	6.22	N/A	7.46	6.23	7.46	Result*CF
			Iron	1 / 1	16800	16800	N/A	20200	16800	20200	Result*CF
			Lead	1 / 1	52.3	52.3	N/A	52.3	52.3	52.3	Mean
			RBA Adjusted Lead	1 / 1	44	44	N/A	44	44	44	Mean
			Manganese	1 / 1	386	386	N/A	463	387	463	Result*CF
			Nickel	1 / 1	16.9	16.9	N/A	20.3	16.9	20.3	Result*CF
			Thallium	1 / 1	0.182	0.182	N/A	0.218	0.182	0.218	Result*CF
			Vanadium	1 / 1	27.7	27.7	N/A	33.2	27.8	33.2	Result*CF
189-H1	607	House	Aluminum	3 / 3	11100	11000	57.7	11100	9290	11100	95% t-statistic UCL
			Antimony	3 / 3	1.05	1	0.0404	1.07	0.895	1.07	95% t-statistic UCL
			Arsenic	3 / 3	7.95	7.6	0.318	8.14	6.79	8.14	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.3	1.24	0.052	1.33	1.11	1.33	95% t-statistic UCL
			Cadmium	3 / 3	2.07	1.97	0.117	2.16	1.81	2.16	95% t-statistic UCL
			Chromium	3 / 3	22.4	21.6	1.36	23.9	19.9	23.9	95% t-statistic UCL
			Cobalt	3 / 3	6.46	6.18	0.336	6.75	5.64	6.75	95% t-statistic UCL
			Iron	3 / 3	17700	17200	436	17900	15000	17900	95% t-statistic UCL
			Lead	3 / 3	97	90.7	5.65	90.7	90.7	90.7	Mean
			RBA Adjusted Lead	3 / 3	81.6	76.3	4.75	76.3	76.3	76.3	Mean
			Manganese	3 / 3	401	394	8.74	408	341	408	95% t-statistic UCL
			Nickel	3 / 3	18.1	17.2	0.961	18.9	15.7	18.9	95% t-statistic UCL
			Thallium	3 / 3	0.213	0.21	0.00306	0.215	0.18	0.215	95% t-statistic UCL
			Vanadium	3 / 3	27.6	26.4	1.72	29.3	24.4	29.3	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
189-H2	608	House	Aluminum	1 / 1	11100	11100	N/A	13300	11100	13300	Result*CF
			Antimony	1 / 1	1.26	1.26	N/A	1.51	1.26	1.51	Result*CF
			Arsenic	1 / 1	8.66	8.66	N/A	10.4	8.68	10.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.42	1.42	N/A	1.7	1.42	1.7	Result*CF
			Cadmium	1 / 1	2.81	2.81	N/A	3.37	2.82	3.37	Result*CF
			Chromium	1 / 1	19.8	19.8	N/A	23.8	19.8	23.8	Result*CF
			Cobalt	1 / 1	5.63	5.63	N/A	6.76	5.64	6.76	Result*CF
			Iron	1 / 1	16500	16500	N/A	19800	16500	19800	Result*CF
			Lead	1 / 1	123	123	N/A	123	123	123	Mean
			RBA Adjusted Lead	1 / 1	103	103	N/A	103	103	103	Mean
			Manganese	1 / 1	509	509	N/A	611	510	611	Result*CF
			Nickel	1 / 1	15.6	15.6	N/A	18.7	15.6	18.7	Result*CF
			Thallium	1 / 1	0.24	0.24	N/A	0.288	0.24	0.288	Result*CF
			Vanadium	1 / 1	24.8	24.8	N/A	29.8	24.8	29.8	Result*CF
189-O1	609	Other -Not Specified	Aluminum	1 / 1	10800	10800	N/A	13000	10800	13000	Result*CF
			Antimony	1 / 1	1.37	1.37	N/A	1.64	1.37	1.64	Result*CF
			Arsenic	1 / 1	10.8	10.8	N/A	13	10.8	13	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.7	2.7	N/A	3.25	2.71	3.25	Result*CF
			Cadmium	1 / 1	2.8	2.8	N/A	3.36	2.81	3.36	Result*CF
			Chromium	1 / 1	19.7	19.7	N/A	23.6	19.7	23.6	Result*CF
			Cobalt	1 / 1	5.28	5.28	N/A	6.34	5.29	6.34	Result*CF
			Iron	1 / 1	15800	15800	N/A	19000	15800	19000	Result*CF
			Lead	1 / 1	108	108	N/A	108	108	108	Mean
			RBA Adjusted Lead	1 / 1	120	120	N/A	120	120	120	Mean
			Manganese	1 / 1	473	473	N/A	568	474	568	Result*CF
			Nickel	1 / 1	15.4	15.4	N/A	18.5	15.4	18.5	Result*CF
			Thallium	1 / 1	0.239	0.239	N/A	0.287	0.239	0.287	Result*CF
			Vanadium	1 / 1	23.6	23.6	N/A	28.3	23.6	28.3	Result*CF
190-G1	610	Garden	Aluminum	1 / 1	8670	8670	N/A	10400	8690	10400	Result*CF
			Antimony	1 / 1	0.473	0.473	N/A	0.568	0.474	0.568	Result*CF
			Arsenic	1 / 1	3.64	3.64	N/A	4.37	3.65	4.37	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.596	0.596	N/A	0.715	0.597	0.715	Result*CF
			Cadmium	1 / 1	0.523	0.523	N/A	0.628	0.524	0.628	Result*CF
			Chromium	1 / 1	17.6	17.6	N/A	21.1	17.6	21.1	Result*CF
			Cobalt	1 / 1	5.23	5.23	N/A	6.28	5.24	6.28	Result*CF
			Iron	1 / 1	14600	14600	N/A	17500	14600	17500	Result*CF
			Lead	1 / 1	21.7	21.7	N/A	21.7	21.7	21.7	Mean
			RBA Adjusted Lead	1 / 1	18.3	18.3	N/A	18.3	18.3	18.3	Mean
			Manganese	1 / 1	322	322	N/A	386	323	386	Result*CF
			Nickel	1 / 1	12.3	12.3	N/A	14.8	12.3	14.8	Result*CF
			Thallium	1 / 1	0.181	0.181	N/A	0.217	0.181	0.217	Result*CF
			Vanadium	1 / 1	25.9	25.9	N/A	31.1	26	31.1	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
190-H1	611	House	Aluminum	3 / 3	12200	11700	503	12600	10500	12600	95% t-statistic UCL
			Antimony	3 / 3	0.634	0.62	0.0225	0.658	0.549	0.658	95% t-statistic UCL
			Arsenic	3 / 3	4.99	4.86	0.117	5.06	4.23	5.06	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.817	0.796	0.0191	0.828	0.692	0.828	95% t-statistic UCL
			Cadmium	3 / 3	1.36	1.32	0.0473	1.4	1.17	1.4	95% t-statistic UCL
			Chromium	3 / 3	18.6	18.1	0.458	18.9	15.8	18.9	95% t-statistic UCL
			Cobalt	3 / 3	5.7	5.63	0.0643	5.74	4.79	5.74	95% t-statistic UCL
			Iron	3 / 3	15800	15500	306	16000	13300	16000	95% t-statistic UCL
			Lead	3 / 3	50.8	49.3	2.24	49.3	49.3	49.3	Mean
			RBA Adjusted Lead	3 / 3	42.7	41.4	1.88	41.4	41.4	41.4	Mean
			Manganese	3 / 3	439	426	11.3	445	372	445	95% t-statistic UCL
			Nickel	3 / 3	14.1	13.6	0.436	14.3	12	14.3	95% t-statistic UCL
			Thallium	3 / 3	0.128	0.124	0.00321	0.13	0.108	0.13	95% t-statistic UCL
			Vanadium	3 / 3	29.1	28.3	0.693	29.5	24.6	29.5	95% t-statistic UCL
190-N1	612	Animal Activity Area	Aluminum	1 / 1	11200	11200	N/A	13400	11200	13400	Result*CF
			Antimony	1 / 1	0.497	0.497	N/A	0.596	0.498	0.596	Result*CF
			Arsenic	1 / 1	4.5	4.5	N/A	5.4	4.51	5.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.737	0.737	N/A	0.884	0.738	0.884	Result*CF
			Cadmium	1 / 1	0.843	0.843	N/A	1.01	0.845	1.01	Result*CF
			Chromium	1 / 1	18.6	18.6	N/A	22.3	18.6	22.3	Result*CF
			Cobalt	1 / 1	5.39	5.39	N/A	6.47	5.4	6.47	Result*CF
			Iron	1 / 1	16400	16400	N/A	19700	16400	19700	Result*CF
			Lead	1 / 1	32	32	N/A	32	32	32	Mean
			RBA Adjusted Lead	1 / 1	26.9	26.9	N/A	26.9	26.9	26.9	Mean
			Manganese	1 / 1	425	425	N/A	510	426	510	Result*CF
			Nickel	1 / 1	13.6	13.6	N/A	16.3	13.6	16.3	Result*CF
			Thallium	1 / 1	0.127	0.127	N/A	0.152	0.127	0.152	Result*CF
			Vanadium	1 / 1	27.6	27.6	N/A	33.1	27.7	33.1	Result*CF
190-N2	613	Animal Activity Area	Aluminum	1 / 1	10400	10400	N/A	12500	10400	12500	Result*CF
			Antimony	1 / 1	0.44	0.44	N/A	0.528	0.441	0.528	Result*CF
			Arsenic	1 / 1	3.95	3.95	N/A	4.74	3.96	4.74	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.647	0.647	N/A	0.776	0.648	0.776	Result*CF
			Cadmium	1 / 1	0.669	0.669	N/A	0.803	0.67	0.803	Result*CF
			Chromium	1 / 1	17.5	17.5	N/A	21	17.5	21	Result*CF
			Cobalt	1 / 1	5.04	5.04	N/A	6.05	5.05	6.05	Result*CF
			Iron	1 / 1	14600	14600	N/A	17500	14600	17500	Result*CF
			Lead	1 / 1	29	29	N/A	29	29	29	Mean
			RBA Adjusted Lead	1 / 1	24.4	24.4	N/A	24.4	24.4	24.4	Mean
			Manganese	1 / 1	372	372	N/A	446	373	446	Result*CF
			Nickel	1 / 1	12.7	12.7	N/A	15.2	12.7	15.2	Result*CF
			Thallium	1 / 1	0.114	0.114	N/A	0.137	0.114	0.137	Result*CF
			Vanadium	1 / 1	24.8	24.8	N/A	29.8	24.8	29.8	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
190-N3	614	Animal Activity Area	Aluminum	1 / 1	9890	9890	N/A	11900	9910	11900	Result*CF
			Antimony	1 / 1	0.373	0.373	N/A	0.448	0.374	0.448	Result*CF
			Arsenic	1 / 1	3.57	3.57	N/A	4.28	3.58	4.28	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.584	0.584	N/A	0.701	0.586	0.701	Result*CF
			Cadmium	1 / 1	0.599	0.599	N/A	0.719	0.6	0.719	Result*CF
			Chromium	1 / 1	17.5	17.5	N/A	21	17.5	21	Result*CF
			Cobalt	1 / 1	4.92	4.92	N/A	5.9	4.93	5.9	Result*CF
			Iron	1 / 1	14300	14300	N/A	17200	14300	17200	Result*CF
			Lead	1 / 1	24.9	24.9	N/A	24.9	24.9	24.9	Mean
			RBA Adjusted Lead	1 / 1	20.9	20.9	N/A	20.9	20.9	20.9	Mean
			Manganese	1 / 1	332	332	N/A	398	333	398	Result*CF
			Nickel	1 / 1	12.7	12.7	N/A	15.2	12.7	15.2	Result*CF
			Thallium	1 / 1	0.116	0.116	N/A	0.139	0.116	0.139	Result*CF
			Vanadium	1 / 1	25.5	25.5	N/A	30.6	25.6	30.6	Result*CF
190-O1	615	Other -Not Specified	Aluminum	1 / 1	13600	13600	N/A	16300	13600	16300	Result*CF
			Antimony	1 / 1	0.974	0.974	N/A	1.17	0.976	1.17	Result*CF
			Arsenic	1 / 1	6.82	6.82	N/A	8.18	6.83	8.18	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.12	1.12	N/A	1.34	1.12	1.34	Result*CF
			Cadmium	1 / 1	2.03	2.03	N/A	2.44	2.03	2.44	Result*CF
			Chromium	1 / 1	19.1	19.1	N/A	22.9	19.1	22.9	Result*CF
			Cobalt	1 / 1	6.31	6.31	N/A	7.57	6.32	7.57	Result*CF
			Iron	1 / 1	15900	15900	N/A	19100	15900	19100	Result*CF
			Lead	1 / 1	74.6	74.6	N/A	74.6	74.6	74.6	Mean
			RBA Adjusted Lead	1 / 1	62.8	62.8	N/A	62.8	62.8	62.8	Mean
			Manganese	1 / 1	490	490	N/A	588	491	588	Result*CF
			Nickel	1 / 1	14.6	14.6	N/A	17.5	14.6	17.5	Result*CF
			Thallium	1 / 1	0.159	0.159	N/A	0.191	0.159	0.191	Result*CF
			Vanadium	1 / 1	31.1	31.1	N/A	37.3	31.2	37.3	Result*CF
191-H1	616	House	Aluminum	3 / 3	11400	11000	404	11600	9730	11600	95% t-statistic UCL
			Antimony	3 / 3	2.86	2.65	0.335	3.21	2.68	3.21	95% t-statistic UCL
			Arsenic	3 / 3	13.7	12.3	1.35	14.6	12.2	14.6	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.24	2.01	0.221	2.39	1.99	2.39	95% t-statistic UCL
			Cadmium	3 / 3	5.06	4.55	0.487	5.37	4.48	5.37	95% t-statistic UCL
			Chromium	3 / 3	27.4	25.2	1.91	28.4	23.7	28.4	95% t-statistic UCL
			Cobalt	3 / 3	7.4	7.13	0.28	7.6	6.35	7.6	95% t-statistic UCL
			Iron	3 / 3	19500	19300	265	19700	16500	19700	95% t-statistic UCL
			Lead	3 / 3	268	251	25.2	251	251	251	Mean
			RBA Adjusted Lead	3 / 3	225	211	21.2	211	211	211	Mean
			Manganese	3 / 3	576	543	30.6	594	496	594	95% t-statistic UCL
			Nickel	3 / 3	23.3	21.6	1.58	24.2	20.2	24.2	95% t-statistic UCL
			Thallium	3 / 3	0.289	0.283	0.0101	0.3	0.25	0.3	95% t-statistic UCL
			Vanadium	3 / 3	33.9	32.6	1.4	34.9	29.2	34.9	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
192-A1	617	Agriculture	Aluminum	1 / 1	12100	12100	N/A	14500	12100	14500	Result*CF
			Antimony	1 / 1	2.04	2.04	N/A	2.45	2.04	2.45	Result*CF
			Arsenic	1 / 1	10.4	10.4	N/A	12.5	10.4	12.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.7	1.7	N/A	2.04	1.71	2.04	Result*CF
			Cadmium	1 / 1	1.94	1.94	N/A	2.33	1.94	2.33	Result*CF
			Chromium	1 / 1	18.2	18.2	N/A	21.8	18.2	21.8	Result*CF
			Cobalt	1 / 1	6.56	6.56	N/A	7.87	6.57	7.87	Result*CF
			Iron	1 / 1	17200	17200	N/A	20600	17200	20600	Result*CF
			Lead	1 / 1	44.5	44.5	N/A	44.5	44.5	44.5	Mean
			RBA Adjusted Lead	1 / 1	37.4	37.4	N/A	37.4	37.4	37.4	Mean
			Manganese	1 / 1	268	268	N/A	322	269	322	Result*CF
			Nickel	1 / 1	28.2	28.2	N/A	33.8	28.3	33.8	Result*CF
			Thallium	1 / 1	0.239	0.239	N/A	0.287	0.239	0.287	Result*CF
			Vanadium	1 / 1	41.8	41.8	N/A	50.2	41.9	50.2	Result*CF
192-G1	618	Garden	Aluminum	1 / 1	11600	11600	N/A	13900	11600	13900	Result*CF
			Antimony	1 / 1	2.44	2.44	N/A	2.93	2.44	2.93	Result*CF
			Arsenic	1 / 1	14	14	N/A	16.8	14	16.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.29	2.29	N/A	2.75	2.3	2.75	Result*CF
			Cadmium	1 / 1	1.82	1.82	N/A	2.18	1.82	2.18	Result*CF
			Chromium	1 / 1	19.5	19.5	N/A	23.4	19.5	23.4	Result*CF
			Cobalt	1 / 1	7.64	7.64	N/A	9.17	7.66	9.17	Result*CF
			Iron	1 / 1	19300	19300	N/A	23200	19300	23200	Result*CF
			Lead	1 / 1	33.8	33.8	N/A	33.8	33.8	33.8	Mean
			RBA Adjusted Lead	1 / 1	28.4	28.4	N/A	28.4	28.4	28.4	Mean
			Manganese	1 / 1	276	276	N/A	331	277	331	Result*CF
			Nickel	1 / 1	38.4	38.4	N/A	46.1	38.5	46.1	Result*CF
			Thallium	1 / 1	0.244	0.244	N/A	0.293	0.244	0.293	Result*CF
			Vanadium	1 / 1	57.8	57.8	N/A	69.4	57.9	69.4	Result*CF
192-H1	619	House	Aluminum	3 / 3	12300	12000	306	12500	10400	12500	95% t-statistic UCL
			Antimony	3 / 3	2.15	2.07	0.0681	2.19	1.83	2.19	95% t-statistic UCL
			Arsenic	3 / 3	11.5	11.4	0.153	11.6	9.71	11.6	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.88	1.86	0.025	1.9	1.59	1.9	95% t-statistic UCL
			Cadmium	3 / 3	1.95	1.91	0.0379	1.97	1.65	1.97	95% t-statistic UCL
			Chromium	3 / 3	17.6	17.3	0.252	17.8	14.8	17.8	95% t-statistic UCL
			Cobalt	3 / 3	6.57	6.49	0.0681	6.61	5.52	6.61	95% t-statistic UCL
			Iron	3 / 3	18900	18800	153	19000	15900	19000	95% t-statistic UCL
			Lead	3 / 3	42.6	40.4	1.99	40.4	40.4	40.4	Mean
			RBA Adjusted Lead	3 / 3	35.8	34	1.67	34	34	34	Mean
			Manganese	3 / 3	279	277	2.08	281	235	281	95% t-statistic UCL
			Nickel	3 / 3	29.1	28.8	0.3	29.3	24.5	29.3	95% t-statistic UCL
			Thallium	3 / 3	0.237	0.234	0.00379	0.241	0.201	0.241	95% t-statistic UCL
			Vanadium	3 / 3	43.6	43.3	0.306	43.8	36.6	43.8	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
193-G1	620	Garden	Aluminum	1 / 1	8040	8040	N/A	9650	8060	9650	Result*CF
			Antimony	1 / 1	0.311	0.311	N/A	0.373	0.312	0.373	Result*CF
			Arsenic	1 / 1	3.91	3.91	N/A	4.69	3.92	4.69	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.64	0.64	N/A	0.768	0.641	0.768	Result*CF
			Cadmium	1 / 1	0.528	0.528	N/A	0.634	0.529	0.634	Result*CF
			Chromium	1 / 1	11.8	11.8	N/A	14.2	11.8	14.2	Result*CF
			Cobalt	1 / 1	3.79	3.79	N/A	4.55	3.8	4.55	Result*CF
			Iron	1 / 1	11000	11000	N/A	13200	11000	13200	Result*CF
			Lead	1 / 1	22.1	22.1	N/A	22.1	22.1	22.1	Mean
			RBA Adjusted Lead	1 / 1	18.6	18.6	N/A	18.6	18.6	18.6	Mean
			Manganese	1 / 1	199	199	N/A	239	199	239	Result*CF
			Nickel	1 / 1	9.3	9.3	N/A	11.2	9.32	11.2	Result*CF
			Thallium	1 / 1	0.097	0.097	N/A	0.116	0.0972	0.116	Result*CF
			Vanadium	1 / 1	20.1	20.1	N/A	24.1	20.1	24.1	Result*CF
193-H1	621	House	Aluminum	3 / 3	9180	8870	279	9340	7800	9340	95% t-statistic UCL
			Antimony	3 / 3	0.4	0.374	0.0251	0.416	0.347	0.416	95% t-statistic UCL
			Arsenic	3 / 3	4.65	4.51	0.146	4.76	3.97	4.76	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.761	0.739	0.0239	0.779	0.65	0.779	95% t-statistic UCL
			Cadmium	3 / 3	0.698	0.661	0.033	0.717	0.599	0.717	95% t-statistic UCL
			Chromium	3 / 3	16.5	15.1	1.31	17.3	14.5	17.3	95% t-statistic UCL
			Cobalt	3 / 3	5.4	4.98	0.362	5.59	4.67	5.59	95% t-statistic UCL
			Iron	3 / 3	15000	14000	896	15500	12900	15500	95% t-statistic UCL
			Lead	3 / 3	27.2	25.4	1.86	25.4	25.4	25.4	Mean
			RBA Adjusted Lead	3 / 3	22.9	21.4	1.56	21.4	21.4	21.4	Mean
			Manganese	3 / 3	313	288	21.6	325	271	325	95% t-statistic UCL
			Nickel	3 / 3	14.1	12.9	1.07	14.7	12.2	14.7	95% t-statistic UCL
			Thallium	3 / 3	0.128	0.124	0.00351	0.13	0.109	0.13	95% t-statistic UCL
			Vanadium	3 / 3	26	24.6	1.46	27.1	22.6	27.1	95% t-statistic UCL
194-H1	622	House	Aluminum	3 / 3	9410	9300	121	9500	7940	9500	95% t-statistic UCL
			Antimony	3 / 3	0.439	0.428	0.00987	0.444	0.371	0.444	95% t-statistic UCL
			Arsenic	3 / 3	3.52	3.51	0.0153	3.53	2.95	3.53	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.576	0.574	0.0025	0.578	0.483	0.578	95% t-statistic UCL
			Cadmium	3 / 3	0.828	0.793	0.0301	0.844	0.705	0.844	95% t-statistic UCL
			Chromium	3 / 3	15.5	15.3	0.289	15.8	13.2	15.8	95% t-statistic UCL
			Cobalt	3 / 3	4.98	4.89	0.129	5.1	4.26	5.1	95% t-statistic UCL
			Iron	3 / 3	14600	14500	153	14700	12300	14700	95% t-statistic UCL
			Lead	3 / 3	33.1	32.6	0.503	32.6	32.6	32.6	Mean
			RBA Adjusted Lead	3 / 3	27.8	27.5	0.423	27.5	27.5	27.5	Mean
			Manganese	3 / 3	305	301	3.79	307	256	307	95% t-statistic UCL
			Nickel	3 / 3	12.5	12.2	0.252	12.7	10.6	12.7	95% t-statistic UCL
			Thallium	3 / 3	0.165	0.159	0.00529	0.168	0.14	0.168	95% t-statistic UCL
			Vanadium	3 / 3	23.2	22.9	0.493	23.7	19.8	23.7	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
194-N1	623	Animal Activity Area	Aluminum	1 / 1	9120	9120	N/A	10900	9140	10900	Result*CF
			Antimony	1 / 1	0.666	0.666	N/A	0.799	0.667	0.799	Result*CF
			Arsenic	1 / 1	5.1	5.1	N/A	6.12	5.11	6.12	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.835	0.835	N/A	1	0.836	1	Result*CF
			Cadmium	1 / 1	1.02	1.02	N/A	1.22	1.02	1.22	Result*CF
			Chromium	1 / 1	18.8	18.8	N/A	22.6	18.8	22.6	Result*CF
			Cobalt	1 / 1	5.01	5.01	N/A	6.01	5.02	6.01	Result*CF
			Iron	1 / 1	13800	13800	N/A	16600	13800	16600	Result*CF
			Lead	1 / 1	40.6	40.6	N/A	40.6	40.6	40.6	Mean
			RBA Adjusted Lead	1 / 1	34.2	34.2	N/A	34.2	34.2	34.2	Mean
			Manganese	1 / 1	329	329	N/A	395	330	395	Result*CF
			Nickel	1 / 1	13.7	13.7	N/A	16.4	13.7	16.4	Result*CF
			Thallium	1 / 1	0.17	0.17	N/A	0.204	0.17	0.204	Result*CF
			Vanadium	1 / 1	23.6	23.6	N/A	28.3	23.6	28.3	Result*CF
195-G1	624	Garden	Aluminum	1 / 1	14500	14500	N/A	17400	14500	17400	Result*CF
			Antimony	1 / 1	1.57	1.57	N/A	1.88	1.57	1.88	Result*CF
			Arsenic	1 / 1	9.13	9.13	N/A	11	9.15	11	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.49	1.49	N/A	1.79	1.5	1.79	Result*CF
			Cadmium	1 / 1	1.82	1.82	N/A	2.18	1.82	2.18	Result*CF
			Chromium	1 / 1	11.2	11.2	N/A	13.4	11.2	13.4	Result*CF
			Cobalt	1 / 1	4.19	4.19	N/A	5.03	4.2	5.03	Result*CF
			Iron	1 / 1	12600	12600	N/A	15100	12600	15100	Result*CF
			Lead	1 / 1	92.5	92.5	N/A	92.5	92.5	92.5	Mean
			RBA Adjusted Lead	1 / 1	77.8	77.8	N/A	77.8	77.8	77.8	Mean
			Manganese	1 / 1	418	418	N/A	502	419	502	Result*CF
			Nickel	1 / 1	11.2	11.2	N/A	13.4	11.2	13.4	Result*CF
			Thallium	1 / 1	0.166	0.166	N/A	0.199	0.166	0.199	Result*CF
			Vanadium	1 / 1	19.1	19.1	N/A	22.9	19.1	22.9	Result*CF
195-G2	625	Garden	Aluminum	1 / 1	13800	13800	N/A	16600	13800	16600	Result*CF
			Antimony	1 / 1	2.91	2.91	N/A	3.49	2.92	3.49	Result*CF
			Arsenic	1 / 1	13.4	13.4	N/A	16.1	13.4	16.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.19	2.19	N/A	2.63	2.2	2.63	Result*CF
			Cadmium	1 / 1	4.92	4.92	N/A	5.9	4.93	5.9	Result*CF
			Chromium	1 / 1	13.1	13.1	N/A	15.7	13.1	15.7	Result*CF
			Cobalt	1 / 1	4.77	4.77	N/A	5.72	4.78	5.72	Result*CF
			Iron	1 / 1	14600	14600	N/A	17500	14600	17500	Result*CF
			Lead	1 / 1	184	184	N/A	184	184	184	Mean
			RBA Adjusted Lead	1 / 1	155	155	N/A	155	155	155	Mean
			Manganese	1 / 1	683	683	N/A	820	684	820	Result*CF
			Nickel	1 / 1	11.4	11.4	N/A	13.7	11.4	13.7	Result*CF
			Thallium	1 / 1	0.224	0.224	N/A	0.269	0.224	0.269	Result*CF
			Vanadium	1 / 1	18.9	18.9	N/A	22.7	18.9	22.7	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
195-O1	626	Other -Not Specified	Aluminum	3 / 3	11300	11000	252	11500	9570	11500	95% t-statistic UCL
			Antimony	3 / 3	3.55	3.36	0.185	3.67	3.07	3.67	95% t-statistic UCL
			Arsenic	3 / 3	12.1	11.9	0.2	12.2	10.2	12.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.98	1.95	0.0327	2	1.67	2	95% t-statistic UCL
			Cadmium	3 / 3	5.37	5.29	0.0854	5.43	4.54	5.43	95% t-statistic UCL
			Chromium	3 / 3	11.5	11.2	0.265	11.6	9.72	11.6	95% t-statistic UCL
			Cobalt	3 / 3	3.88	3.8	0.0737	3.92	3.27	3.92	95% t-statistic UCL
			Iron	3 / 3	13200	12900	306	13400	11200	13400	95% t-statistic UCL
			Lead	3 / 3	241	232	9.61	232	232	232	Mean
			RBA Adjusted Lead	3 / 3	203	195	8.08	195	195	195	Mean
			Manganese	3 / 3	618	593	32.5	647	541	647	95% t-statistic UCL
			Nickel	3 / 3	10.2	9.93	0.248	10.4	8.64	10.4	95% t-statistic UCL
			Thallium	3 / 3	0.271	0.256	0.0127	0.278	0.232	0.278	95% t-statistic UCL
			Vanadium	3 / 3	16.9	16.6	0.416	17.3	14.4	17.3	95% t-statistic UCL
196-A1	627	Agriculture	Aluminum	1 / 1	10000	10000	N/A	12000	10000	12000	Result*CF
			Antimony	1 / 1	0.863	0.863	N/A	1.04	0.865	1.04	Result*CF
			Arsenic	1 / 1	5.56	5.56	N/A	6.67	5.57	6.67	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.91	0.91	N/A	1.09	0.912	1.09	Result*CF
			Cadmium	1 / 1	1.55	1.55	N/A	1.86	1.55	1.86	Result*CF
			Chromium	1 / 1	18.2	18.2	N/A	21.8	18.2	21.8	Result*CF
			Cobalt	1 / 1	5.68	5.68	N/A	6.82	5.69	6.82	Result*CF
			Iron	1 / 1	15400	15400	N/A	18500	15400	18500	Result*CF
			Lead	1 / 1	68.3	68.3	N/A	68.3	68.3	68.3	Mean
			RBA Adjusted Lead	1 / 1	57.5	57.5	N/A	57.5	57.5	57.5	Mean
			Manganese	1 / 1	337	337	N/A	404	338	404	Result*CF
			Nickel	1 / 1	14	14	N/A	16.8	14	16.8	Result*CF
			Thallium	1 / 1	0.192	0.192	N/A	0.23	0.192	0.23	Result*CF
			Vanadium	1 / 1	27.8	27.8	N/A	33.4	27.9	33.4	Result*CF
196-A2	628	Agriculture	Aluminum	1 / 1	11900	11900	N/A	14300	11900	14300	Result*CF
			Antimony	1 / 1	1.02	1.02	N/A	1.22	1.02	1.22	Result*CF
			Arsenic	1 / 1	6.48	6.48	N/A	7.78	6.49	7.78	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.06	1.06	N/A	1.27	1.06	1.27	Result*CF
			Cadmium	1 / 1	2.57	2.57	N/A	3.08	2.58	3.08	Result*CF
			Chromium	1 / 1	16.9	16.9	N/A	20.3	16.9	20.3	Result*CF
			Cobalt	1 / 1	6.24	6.24	N/A	7.49	6.25	7.49	Result*CF
			Iron	1 / 1	14500	14500	N/A	17400	14500	17400	Result*CF
			Lead	1 / 1	81.6	81.6	N/A	81.6	81.6	81.6	Mean
			RBA Adjusted Lead	1 / 1	68.7	68.7	N/A	68.7	68.7	68.7	Mean
			Manganese	1 / 1	486	486	N/A	583	487	583	Result*CF
			Nickel	1 / 1	16.7	16.7	N/A	20	16.7	20	Result*CF
			Thallium	1 / 1	0.188	0.188	N/A	0.226	0.188	0.226	Result*CF
			Vanadium	1 / 1	26.1	26.1	N/A	31.3	26.2	31.3	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
196-G1	629	Garden	Aluminum	1 / 1	14500	14500	N/A	17400	14500	17400	Result*CF
			Antimony	1 / 1	1.12	1.12	N/A	1.34	1.12	1.34	Result*CF
			Arsenic	1 / 1	6.64	6.64	N/A	7.97	6.65	7.97	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.09	1.09	N/A	1.3	1.09	1.3	Result*CF
			Cadmium	1 / 1	1.7	1.7	N/A	2.04	1.7	2.04	Result*CF
			Chromium	1 / 1	13.8	13.8	N/A	16.6	13.8	16.6	Result*CF
			Cobalt	1 / 1	5.76	5.76	N/A	6.91	5.77	6.91	Result*CF
			Iron	1 / 1	14400	14400	N/A	17300	14400	17300	Result*CF
			Lead	1 / 1	56.7	56.7	N/A	56.7	56.7	56.7	Mean
			RBA Adjusted Lead	1 / 1	47.7	47.7	N/A	47.7	47.7	47.7	Mean
			Manganese	1 / 1	393	393	N/A	472	394	472	Result*CF
			Nickel	1 / 1	12.3	12.3	N/A	14.8	12.3	14.8	Result*CF
			Thallium	1 / 1	0.268	0.268	N/A	0.322	0.269	0.322	Result*CF
			Vanadium	1 / 1	26.5	26.5	N/A	31.8	26.6	31.8	Result*CF
196-O1	630	Other -Not Specified	Aluminum	3 / 3	13300	12800	404	13500	11300	13500	95% t-statistic UCL
			Antimony	3 / 3	1.24	1.21	0.0252	1.26	1.05	1.26	95% t-statistic UCL
			Arsenic	3 / 3	7.75	7.49	0.26	7.93	6.62	7.93	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.27	1.23	0.0426	1.3	1.08	1.3	95% t-statistic UCL
			Cadmium	3 / 3	2.33	2.28	0.0624	2.39	1.99	2.39	95% t-statistic UCL
			Chromium	3 / 3	15.3	15.1	0.153	15.4	12.9	15.4	95% t-statistic UCL
			Cobalt	3 / 3	5.65	5.64	0.01	5.66	4.72	5.66	95% t-statistic UCL
			Iron	3 / 3	14800	14500	252	15000	12500	15000	95% t-statistic UCL
			Lead	3 / 3	82.5	82	0.503	82	82	82	Mean
			RBA Adjusted Lead	3 / 3	69.4	69	0.423	69	69	69	Mean
			Manganese	3 / 3	391	383	9.71	399	333	399	95% t-statistic UCL
			Nickel	3 / 3	13.3	13.2	0.1	13.4	11.2	13.4	95% t-statistic UCL
			Thallium	3 / 3	0.174	0.172	0.00153	0.175	0.146	0.175	95% t-statistic UCL
			Vanadium	3 / 3	28.9	28	0.808	29.4	24.5	29.4	95% t-statistic UCL
197-H1	631	House	Aluminum	3 / 3	10800	10700	100	10900	9080	10900	95% t-statistic UCL
			Antimony	3 / 3	1.82	1.74	0.0723	1.86	1.55	1.86	95% t-statistic UCL
			Arsenic	3 / 3	15	14.5	0.462	15.2	12.7	15.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.54	1.49	0.0475	1.57	1.31	1.57	95% t-statistic UCL
			Cadmium	3 / 3	3.14	3.04	0.162	3.31	2.76	3.31	95% t-statistic UCL
			Chromium	3 / 3	40.2	38.3	1.69	41.1	34.3	41.1	95% t-statistic UCL
			Cobalt	3 / 3	9.29	8.9	0.344	9.48	7.92	9.48	95% t-statistic UCL
			Iron	3 / 3	23500	23300	208	23700	19800	23700	95% t-statistic UCL
			Lead	3 / 3	189	166	21	166	166	166	Mean
			RBA Adjusted Lead	3 / 3	160	141	17.8	141	141	141	Mean
			Manganese	3 / 3	433	428	6.81	439	367	439	95% t-statistic UCL
			Nickel	3 / 3	25.3	24.1	1.08	25.9	21.6	25.9	95% t-statistic UCL
			Thallium	3 / 3	0.245	0.235	0.0085	0.25	0.208	0.25	95% t-statistic UCL
			Vanadium	3 / 3	54.3	52.7	1.46	55.1	46	55.1	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
198-G1	632	Garden	Aluminum	3 / 3	21500	20700	700	21900	18300	21900	95% t-statistic UCL
			Antimony	3 / 3	1.46	1.41	0.0404	1.48	1.24	1.48	95% t-statistic UCL
			Arsenic	3 / 3	12.3	12	0.231	12.4	10.4	12.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.55	2.49	0.0478	2.57	2.15	2.57	95% t-statistic UCL
			Cadmium	3 / 3	2.47	2.38	0.0751	2.51	2.1	2.51	95% t-statistic UCL
			Chromium	3 / 3	15	14.6	0.529	15.5	12.9	15.5	95% t-statistic UCL
			Cobalt	3 / 3	6.58	6.42	0.241	6.82	5.7	6.82	95% t-statistic UCL
			Iron	3 / 3	16700	16300	404	17000	14200	17000	95% t-statistic UCL
			Lead	3 / 3	102	101	1.73	101	101	101	Mean
			RBA Adjusted Lead	3 / 3	79.1	78.3	1.34	78.3	78.3	78.3	Mean
			Manganese	3 / 3	927	921	6.51	932	778	932	95% t-statistic UCL
			Nickel	3 / 3	17.5	17.1	0.666	18.2	15.2	18.2	95% t-statistic UCL
			Thallium	3 / 3	0.21	0.208	0.00346	0.214	0.179	0.214	95% t-statistic UCL
			Vanadium	3 / 3	25.1	24.4	0.987	26.1	21.8	26.1	95% t-statistic UCL
198-H1	633	House	Aluminum	1 / 1	16400	16400	N/A	19700	16400	19700	Result*CF
			Antimony	1 / 1	1.98	1.98	N/A	2.38	1.98	2.38	Result*CF
			Arsenic	1 / 1	13.1	13.1	N/A	15.7	13.1	15.7	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.14	2.14	N/A	2.57	2.15	2.57	Result*CF
			Cadmium	1 / 1	3.72	3.72	N/A	4.46	3.73	4.46	Result*CF
			Chromium	1 / 1	21.5	21.5	N/A	25.8	21.5	25.8	Result*CF
			Cobalt	1 / 1	7.92	7.92	N/A	9.5	7.94	9.5	Result*CF
			Iron	1 / 1	17800	17800	N/A	21400	17800	21400	Result*CF
			Lead	1 / 1	200	200	N/A	200	200	200	Mean
			RBA Adjusted Lead	1 / 1	168	168	N/A	168	168	168	Mean
			Manganese	1 / 1	795	795	N/A	954	797	954	Result*CF
			Nickel	1 / 1	22.5	22.5	N/A	27	22.5	27	Result*CF
			Thallium	1 / 1	0.277	0.277	N/A	0.332	0.278	0.332	Result*CF
			Vanadium	1 / 1	30.1	30.1	N/A	36.1	30.2	36.1	Result*CF
199-G1	634	Garden	Aluminum	1 / 1	11300	11300	N/A	13600	11300	13600	Result*CF
			Antimony	1 / 1	0.386	0.386	N/A	0.463	0.387	0.463	Result*CF
			Arsenic	1 / 1	4.04	4.04	N/A	4.85	4.05	4.85	Result*CF
			RBA Adjusted Arsenic	1 / 1	0.661	0.661	N/A	0.794	0.663	0.794	Result*CF
			Cadmium	1 / 1	0.441	0.441	N/A	0.529	0.442	0.529	Result*CF
			Chromium	1 / 1	31.1	31.1	N/A	37.3	31.2	37.3	Result*CF
			Cobalt	1 / 1	6.83	6.83	N/A	8.2	6.84	8.2	Result*CF
			Iron	1 / 1	23700	23700	N/A	28400	23700	28400	Result*CF
			Lead	1 / 1	17.5	17.5	N/A	17.5	17.5	17.5	Mean
			RBA Adjusted Lead	1 / 1	14.7	14.7	N/A	14.7	14.7	14.7	Mean
			Manganese	1 / 1	349	349	N/A	419	350	419	Result*CF
			Nickel	1 / 1	16.8	16.8	N/A	20.2	16.8	20.2	Result*CF
			Thallium	1 / 1	0.138	0.138	N/A	0.166	0.138	0.166	Result*CF
			Vanadium	1 / 1	46.9	46.9	N/A	56.3	47	56.3	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
199-O1	635	Other -Not Specified	Aluminum	3 / 3	10600	10100	469	10900	9060	10900	95% t-statistic UCL
			Antimony	3 / 3	0.557	0.509	0.0506	0.594	0.496	0.594	95% t-statistic UCL
			Arsenic	3 / 3	4.86	4.75	0.0929	4.91	4.1	4.91	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.795	0.778	0.0152	0.804	0.671	0.804	95% t-statistic UCL
			Cadmium	3 / 3	1.01	0.877	0.122	1.08	0.904	1.08	95% t-statistic UCL
			Chromium	3 / 3	34	27.9	5.25	36.8	30.7	36.8	95% t-statistic UCL
			Cobalt	3 / 3	7.47	7.1	0.324	7.64	6.38	7.64	95% t-statistic UCL
			Iron	3 / 3	24900	21500	2950	26500	22100	26500	95% t-statistic UCL
			Lead	3 / 3	34.4	31.5	3.11	31.5	31.5	31.5	Mean
			RBA Adjusted Lead	3 / 3	28.9	26.5	2.62	26.5	26.5	26.5	Mean
			Manganese	3 / 3	400	384	14.4	408	341	408	95% t-statistic UCL
			Nickel	3 / 3	18.8	17.4	1.21	19.4	16.2	19.4	95% t-statistic UCL
			Thallium	3 / 3	0.144	0.132	0.011	0.15	0.125	0.15	95% t-statistic UCL
			Vanadium	3 / 3	50.8	41.5	8.03	55.1	46	55.1	95% t-statistic UCL
200-G1	636	Garden	Aluminum	1 / 1	24700	24700	N/A	29600	24700	29600	Result*CF
			Antimony	1 / 1	0.749	0.749	N/A	0.899	0.75	0.899	Result*CF
			Arsenic	1 / 1	13.8	13.8	N/A	16.6	13.8	16.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.26	2.26	N/A	2.71	2.26	2.71	Result*CF
			Cadmium	1 / 1	1.23	1.23	N/A	1.48	1.23	1.48	Result*CF
			Chromium	1 / 1	26.5	26.5	N/A	31.8	26.6	31.8	Result*CF
			Cobalt	1 / 1	10	10	N/A	12	10	12	Result*CF
			Iron	1 / 1	22300	22300	N/A	26800	22300	26800	Result*CF
			Lead	1 / 1	35.5	35.5	N/A	35.5	35.5	35.5	Mean
			RBA Adjusted Lead	1 / 1	29.9	29.9	N/A	29.9	29.9	29.9	Mean
			Manganese	1 / 1	810	810	N/A	972	812	972	Result*CF
			Nickel	1 / 1	20.5	20.5	N/A	24.6	20.5	24.6	Result*CF
			Thallium	1 / 1	0.165	0.165	N/A	0.198	0.165	0.198	Result*CF
			Vanadium	1 / 1	37.8	37.8	N/A	45.4	37.9	45.4	Result*CF
200-H1	637	House	Aluminum	3 / 3	25100	24300	700	25500	21300	25500	95% t-statistic UCL
			Antimony	3 / 3	0.721	0.697	0.0218	0.733	0.612	0.733	95% t-statistic UCL
			Arsenic	3 / 3	13.8	13.5	0.306	14	11.7	14	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.26	2.22	0.05	2.3	1.92	2.3	95% t-statistic UCL
			Cadmium	3 / 3	1.09	1.09	0.00577	1.1	0.915	1.1	95% t-statistic UCL
			Chromium	3 / 3	28.1	27.8	0.361	28.4	23.7	28.4	95% t-statistic UCL
			Cobalt	3 / 3	10.6	10.6	0.0577	10.7	8.9	10.7	95% t-statistic UCL
			Iron	3 / 3	23600	23200	404	23900	20000	23900	95% t-statistic UCL
			Lead	3 / 3	37.2	34.6	2.29	34.6	34.6	34.6	Mean
			RBA Adjusted Lead	3 / 3	31.3	29.1	1.92	29.1	29.1	29.1	Mean
			Manganese	3 / 3	783	774	10.7	792	661	792	95% t-statistic UCL
			Nickel	3 / 3	21.4	21.3	0.115	21.5	18	21.5	95% t-statistic UCL
			Thallium	3 / 3	0.177	0.174	0.00306	0.179	0.15	0.179	95% t-statistic UCL
			Vanadium	3 / 3	40.3	39.7	0.557	40.6	33.9	40.6	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
200-O1	638	Other -Not Specified	Aluminum	1 / 1	18600	18600	N/A	22300	18600	22300	Result*CF
			Antimony	1 / 1	0.703	0.703	N/A	0.844	0.704	0.844	Result*CF
			Arsenic	1 / 1	16.6	16.6	N/A	19.9	16.6	19.9	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.72	2.72	N/A	3.26	2.72	3.26	Result*CF
			Cadmium	1 / 1	0.901	0.901	N/A	1.08	0.903	1.08	Result*CF
			Chromium	1 / 1	35.6	35.6	N/A	42.7	35.7	42.7	Result*CF
			Cobalt	1 / 1	11.9	11.9	N/A	14.3	11.9	14.3	Result*CF
			Iron	1 / 1	27700	27700	N/A	33200	27800	33200	Result*CF
			Lead	1 / 1	32.9	32.9	N/A	32.9	32.9	32.9	Mean
			RBA Adjusted Lead	1 / 1	27.7	27.7	N/A	27.7	27.7	27.7	Mean
			Manganese	1 / 1	722	722	N/A	866	723	866	Result*CF
			Nickel	1 / 1	28.4	28.4	N/A	34.1	28.5	34.1	Result*CF
			Thallium	1 / 1	0.141	0.141	N/A	0.169	0.141	0.169	Result*CF
			Vanadium	1 / 1	45.7	45.7	N/A	54.8	45.8	54.8	Result*CF
201G[d]	4[d]	Garden	Aluminum	--	14000	--	--	--	11700	14000	Maximum Backfill
			Antimony	--	0.75	--	--	--	0.626	0.75	Maximum Backfill
			Arsenic	--	6.6	--	--	--	5.51	6.6	Maximum Backfill
			RBA Adjusted Arsenic	--	1.82	--	--	--	1.52	1.82	Maximum Backfill
			Cadmium	--	0.71	--	--	--	0.593	0.71	Maximum Backfill
			Chromium	--	12	--	--	--	10	12	Maximum Backfill
			Cobalt	--	11	--	--	--	9.19	11	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	12	--	--	--	12	12	Maximum Backfill
			RBA Adjusted Lead	--	12.8	--	--	--	12.8	12.8	Maximum Backfill
			Manganese	--	770	--	--	--	643	770	Maximum Backfill
			Nickel	--	25	--	--	--	20.9	25	Maximum Backfill
			Thallium	--	0.105	--	--	--	0.0877	0.105	Maximum Backfill
			Vanadium	--	19	--	--	--	15.9	19	Maximum Backfill
201-O1	639	Other -Not Specified	Aluminum	3 / 3	8890	8610	255	9040	7550	9040	95% t-statistic UCL
			Antimony	3 / 3	4.76	3.99	0.692	5.16	4.31	5.16	95% t-statistic UCL
			Arsenic	3 / 3	21	20.4	0.721	21.6	18	21.6	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	5.79	5.62	0.199	5.96	4.98	5.96	95% t-statistic UCL
			Cadmium	3 / 3	6.59	6.4	0.177	6.7	5.59	6.7	95% t-statistic UCL
			Chromium	3 / 3	35.6	34.6	1.32	36.8	30.8	36.8	95% t-statistic UCL
			Cobalt	3 / 3	8.54	8.16	0.39	8.82	7.36	8.82	95% t-statistic UCL
			Iron	3 / 3	24300	23700	651	24800	20700	24800	95% t-statistic UCL
			Lead	3 / 3	341	305	35.5	305	305	305	Mean
			RBA Adjusted Lead	3 / 3	363	325	37.8	325	325	325	Mean
			Manganese	3 / 3	668	603	61.3	707	590	707	95% t-statistic UCL
			Nickel	3 / 3	19.4	18.9	0.569	19.9	16.6	19.9	95% t-statistic UCL
			Thallium	3 / 3	0.33	0.32	0.01	0.337	0.282	0.337	95% t-statistic UCL
			Vanadium	3 / 3	49.6	47.8	2.32	51.8	43.2	51.8	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
202-H1	640	House	Aluminum	3 / 3	8520	8300	191	8620	7200	8620	95% t-statistic UCL
			Antimony	3 / 3	1.36	1.19	0.148	1.44	1.2	1.44	95% t-statistic UCL
			Arsenic	3 / 3	13.4	13.2	0.208	13.5	11.3	13.5	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.19	2.16	0.0341	2.21	1.85	2.21	95% t-statistic UCL
			Cadmium	3 / 3	3.54	3.43	0.0924	3.59	3	3.59	95% t-statistic UCL
			Chromium	3 / 3	17.5	17.3	0.208	17.7	14.8	17.7	95% t-statistic UCL
			Cobalt	3 / 3	5.26	5.11	0.127	5.33	4.45	5.33	95% t-statistic UCL
			Iron	3 / 3	15400	15200	208	15500	13000	15500	95% t-statistic UCL
			Lead	3 / 3	210	206	4	206	206	206	Mean
			RBA Adjusted Lead	3 / 3	177	173	3.37	173	173	173	Mean
			Manganese	3 / 3	276	274	2.52	278	232	278	95% t-statistic UCL
			Nickel	3 / 3	13	12.8	0.208	13.1	11	13.1	95% t-statistic UCL
			Thallium	3 / 3	0.194	0.188	0.00557	0.197	0.165	0.197	95% t-statistic UCL
			Vanadium	3 / 3	27.4	26.7	0.577	27.7	23.1	27.7	95% t-statistic UCL
202-N1	641	Animal Activity Area	Aluminum	1 / 1	7400	7400	N/A	8880	7410	8880	Result*CF
			Antimony	1 / 1	0.781	0.781	N/A	0.937	0.783	0.937	Result*CF
			Arsenic	1 / 1	6.35	6.35	N/A	7.62	6.36	7.62	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.04	1.04	N/A	1.25	1.04	1.25	Result*CF
			Cadmium	1 / 1	1.22	1.22	N/A	1.46	1.22	1.46	Result*CF
			Chromium	1 / 1	14.5	14.5	N/A	17.4	14.5	17.4	Result*CF
			Cobalt	1 / 1	4.5	4.5	N/A	5.4	4.51	5.4	Result*CF
			Iron	1 / 1	12800	12800	N/A	15400	12800	15400	Result*CF
			Lead	1 / 1	68.8	68.8	N/A	68.8	68.8	68.8	Mean
			RBA Adjusted Lead	1 / 1	57.9	57.9	N/A	57.9	57.9	57.9	Mean
			Manganese	1 / 1	211	211	N/A	253	211	253	Result*CF
			Nickel	1 / 1	11.7	11.7	N/A	14	11.7	14	Result*CF
			Thallium	1 / 1	0.129	0.129	N/A	0.155	0.129	0.155	Result*CF
			Vanadium	1 / 1	22.3	22.3	N/A	26.8	22.3	26.8	Result*CF
202-O1	642	Other -Not Specified	Aluminum	1 / 1	7770	7770	N/A	9320	7790	9320	Result*CF
			Antimony	1 / 1	0.698	0.698	N/A	0.838	0.699	0.838	Result*CF
			Arsenic	1 / 1	10.4	10.4	N/A	12.5	10.4	12.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.37	1.37	N/A	1.65	1.37	1.65	Result*CF
			Cadmium	1 / 1	2.74	2.74	N/A	3.29	2.75	3.29	Result*CF
			Chromium	1 / 1	17.8	17.8	N/A	21.4	17.8	21.4	Result*CF
			Cobalt	1 / 1	5.42	5.42	N/A	6.5	5.43	6.5	Result*CF
			Iron	1 / 1	15600	15600	N/A	18700	15600	18700	Result*CF
			Lead	1 / 1	144	144	N/A	144	144	144	Mean
			RBA Adjusted Lead	1 / 1	137	137	N/A	137	137	137	Mean
			Manganese	1 / 1	283	283	N/A	340	284	340	Result*CF
			Nickel	1 / 1	13.6	13.6	N/A	16.3	13.6	16.3	Result*CF
			Thallium	1 / 1	0.168	0.168	N/A	0.202	0.168	0.202	Result*CF
			Vanadium	1 / 1	27.5	27.5	N/A	33	27.6	33	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
203-H1[d]	643[d]	House	Aluminum	--	9700	--	--	--	8100	9700	Maximum Backfill
			Antimony	--	0.34	--	--	--	0.284	0.34	Maximum Backfill
			Arsenic	--	3.3	--	--	--	2.76	3.3	Maximum Backfill
			RBA Adjusted Arsenic	--	0.91	--	--	--	0.76	0.91	Maximum Backfill
			Cadmium	--	0.28	--	--	--	0.234	0.28	Maximum Backfill
			Chromium	--	31	--	--	--	25.9	31	Maximum Backfill
			Cobalt	--	5.8	--	--	--	4.84	5.8	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	19	--	--	--	19	19	Maximum Backfill
			RBA Adjusted Lead	--	20.2	--	--	--	20.2	20.2	Maximum Backfill
			Manganese	--	310	--	--	--	259	310	Maximum Backfill
			Nickel	--	21	--	--	--	17.5	21	Maximum Backfill
			Thallium	--	0.11	--	--	--	0.0919	0.11	Maximum Backfill
			Vanadium	--	27	--	--	--	22.5	27	Maximum Backfill
203-O1[d]	644[d]	Other -Not Specified	Aluminum	--	9700	--	--	--	8100	9700	Maximum Backfill
			Antimony	--	0.34	--	--	--	0.284	0.34	Maximum Backfill
			Arsenic	--	3.3	--	--	--	2.76	3.3	Maximum Backfill
			RBA Adjusted Arsenic	--	0.91	--	--	--	0.76	0.91	Maximum Backfill
			Cadmium	--	0.28	--	--	--	0.234	0.28	Maximum Backfill
			Chromium	--	31	--	--	--	25.9	31	Maximum Backfill
			Cobalt	--	5.8	--	--	--	4.84	5.8	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	19	--	--	--	19	19	Maximum Backfill
			RBA Adjusted Lead	--	20.2	--	--	--	20.2	20.2	Maximum Backfill
			Manganese	--	310	--	--	--	259	310	Maximum Backfill
			Nickel	--	21	--	--	--	17.5	21	Maximum Backfill
			Thallium	--	0.11	--	--	--	0.0919	0.11	Maximum Backfill
			Vanadium	--	27	--	--	--	22.5	27	Maximum Backfill
203-O2	645	Other -Not Specified	Aluminum	1 / 1	23300	23300	N/A	28000	23300	28000	Result*CF
			Antimony	1 / 1	7.54	7.54	N/A	9.05	7.56	9.05	Result*CF
			Arsenic	1 / 1	34.7	34.7	N/A	41.6	34.8	41.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	9.56	9.56	N/A	11.5	9.58	11.5	Result*CF
			Cadmium	1 / 1	8.81	8.81	N/A	10.6	8.83	10.6	Result*CF
			Chromium	1 / 1	13.5	13.5	N/A	16.2	13.5	16.2	Result*CF
			Cobalt	1 / 1	5.31	5.31	N/A	6.37	5.32	6.37	Result*CF
			Iron	1 / 1	17200	17200	N/A	20600	17200	20600	Result*CF
			Lead	1 / 1	450	450	N/A	450	450	450	Mean
			RBA Adjusted Lead	1 / 1	479	479	N/A	479	479	479	Mean
			Manganese	1 / 1	627	627	N/A	752	628	752	Result*CF
			Nickel	1 / 1	11.2	11.2	N/A	13.4	11.2	13.4	Result*CF
			Thallium	1 / 1	0.439	0.439	N/A	0.527	0.44	0.527	Result*CF
			Vanadium	1 / 1	26.7	26.7	N/A	32	26.8	32	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
203-O3[d]	688[d]	Other -Not Specified	Aluminum	--	9700	--	--	--	8100	9700	Maximum Backfill
			Antimony	--	0.34	--	--	--	0.284	0.34	Maximum Backfill
			Arsenic	--	3.3	--	--	--	2.76	3.3	Maximum Backfill
			RBA Adjusted Arsenic	--	0.91	--	--	--	0.76	0.91	Maximum Backfill
			Cadmium	--	0.28	--	--	--	0.234	0.28	Maximum Backfill
			Chromium	--	31	--	--	--	25.9	31	Maximum Backfill
			Cobalt	--	5.8	--	--	--	4.84	5.8	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	19	--	--	--	19	19	Maximum Backfill
			RBA Adjusted Lead	--	20.2	--	--	--	20.2	20.2	Maximum Backfill
			Manganese	--	310	--	--	--	259	310	Maximum Backfill
			Nickel	--	21	--	--	--	17.5	21	Maximum Backfill
			Thallium	--	0.11	--	--	--	0.0919	0.11	Maximum Backfill
			Vanadium	--	27	--	--	--	22.5	27	Maximum Backfill
203-O4[d]	689[d]	Other -Not Specified	Aluminum	--	9700	--	--	--	8100	9700	Maximum Backfill
			Antimony	--	0.34	--	--	--	0.284	0.34	Maximum Backfill
			Arsenic	--	3.3	--	--	--	2.76	3.3	Maximum Backfill
			RBA Adjusted Arsenic	--	0.91	--	--	--	0.76	0.91	Maximum Backfill
			Cadmium	--	0.28	--	--	--	0.234	0.28	Maximum Backfill
			Chromium	--	31	--	--	--	25.9	31	Maximum Backfill
			Cobalt	--	5.8	--	--	--	4.84	5.8	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	19	--	--	--	19	19	Maximum Backfill
			RBA Adjusted Lead	--	20.2	--	--	--	20.2	20.2	Maximum Backfill
			Manganese	--	310	--	--	--	259	310	Maximum Backfill
			Nickel	--	21	--	--	--	17.5	21	Maximum Backfill
			Thallium	--	0.11	--	--	--	0.0919	0.11	Maximum Backfill
			Vanadium	--	27	--	--	--	22.5	27	Maximum Backfill
205-O1	646	Other -Not Specified	Aluminum	3 / 3	7650	7320	304	7840	6540	7840	95% t-statistic UCL
			Antimony	3 / 3	4.38	4.05	0.308	4.57	3.82	4.57	95% t-statistic UCL
			Arsenic	3 / 3	26.7	24.1	2.95	29.1	24.3	29.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	7.36	6.64	0.812	8.01	6.69	8.01	95% t-statistic UCL
			Cadmium	3 / 3	6.97	6.3	0.598	7.31	6.1	7.31	95% t-statistic UCL
			Chromium	3 / 3	19.2	17.9	2.11	21.5	17.9	21.5	95% t-statistic UCL
			Cobalt	3 / 3	6.29	5.78	0.593	6.78	5.66	6.78	95% t-statistic UCL
			Iron	3 / 3	18300	18200	153	18400	15400	18400	95% t-statistic UCL
			Lead	3 / 3	503	476	23.1	476	476	476	Mean
			RBA Adjusted Lead	3 / 3	536	507	24.6	507	507	507	Mean
			Manganese	3 / 3	266	258	7.55	271	226	271	95% t-statistic UCL
			Nickel	3 / 3	16	14.7	1.48	17.2	14.4	17.2	95% t-statistic UCL
			Thallium	3 / 3	0.575	0.518	0.0597	0.619	0.517	0.619	95% t-statistic UCL
			Vanadium	3 / 3	33.5	30.3	3.73	36.6	30.6	36.6	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
206-A1	647	Agriculture	Aluminum	1 / 1	13000	13000	N/A	15600	13000	15600	Result*CF
			Antimony	1 / 1	1.52	1.52	N/A	1.82	1.52	1.82	Result*CF
			Arsenic	1 / 1	13.1	13.1	N/A	15.7	13.1	15.7	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.14	2.14	N/A	2.57	2.15	2.57	Result*CF
			Cadmium	1 / 1	3.74	3.74	N/A	4.49	3.75	4.49	Result*CF
			Chromium	1 / 1	40.2	40.2	N/A	48.2	40.3	48.2	Result*CF
			Cobalt	1 / 1	9.91	9.91	N/A	11.9	9.93	11.9	Result*CF
			Iron	1 / 1	18600	18600	N/A	22300	18600	22300	Result*CF
			Lead	1 / 1	138	138	N/A	138	138	138	Mean
			RBA Adjusted Lead	1 / 1	116	116	N/A	116	116	116	Mean
			Manganese	1 / 1	551	551	N/A	661	552	661	Result*CF
			Nickel	1 / 1	49.9	49.9	N/A	59.9	50	59.9	Result*CF
			Thallium	1 / 1	0.242	0.242	N/A	0.29	0.242	0.29	Result*CF
			Vanadium	1 / 1	27.3	27.3	N/A	32.8	27.4	32.8	Result*CF
206-G1	648	Garden	Aluminum	1 / 1	11000	11000	N/A	13200	11000	13200	Result*CF
			Antimony	1 / 1	0.753	0.753	N/A	0.904	0.755	0.904	Result*CF
			Arsenic	1 / 1	6.41	6.41	N/A	7.69	6.42	7.69	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.05	1.05	N/A	1.26	1.05	1.26	Result*CF
			Cadmium	1 / 1	1.54	1.54	N/A	1.85	1.54	1.85	Result*CF
			Chromium	1 / 1	22.2	22.2	N/A	26.6	22.2	26.6	Result*CF
			Cobalt	1 / 1	5.81	5.81	N/A	6.97	5.82	6.97	Result*CF
			Iron	1 / 1	15100	15100	N/A	18100	15100	18100	Result*CF
			Lead	1 / 1	59.9	59.9	N/A	59.9	59.9	59.9	Mean
			RBA Adjusted Lead	1 / 1	50.4	50.4	N/A	50.4	50.4	50.4	Mean
			Manganese	1 / 1	390	390	N/A	468	391	468	Result*CF
			Nickel	1 / 1	21	21	N/A	25.2	21	25.2	Result*CF
			Thallium	1 / 1	0.15	0.15	N/A	0.18	0.15	0.18	Result*CF
			Vanadium	1 / 1	24.2	24.2	N/A	29	24.2	29	Result*CF
206-H1	649	House	Aluminum	3 / 3	10800	10400	456	11100	9300	11100	95% t-statistic UCL
			Antimony	3 / 3	0.348	0.32	0.0271	0.366	0.305	0.366	95% t-statistic UCL
			Arsenic	3 / 3	4.17	4.01	0.152	4.26	3.56	4.26	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	0.683	0.656	0.0248	0.698	0.583	0.698	95% t-statistic UCL
			Cadmium	3 / 3	0.653	0.597	0.0581	0.695	0.58	0.695	95% t-statistic UCL
			Chromium	3 / 3	19.5	19	0.624	20.1	16.7	20.1	95% t-statistic UCL
			Cobalt	3 / 3	5.72	5.59	0.121	5.8	4.84	5.8	95% t-statistic UCL
			Iron	3 / 3	16800	16200	551	17200	14300	17200	95% t-statistic UCL
			Lead	3 / 3	22.4	21.4	1.11	21.4	21.4	21.4	Mean
			RBA Adjusted Lead	3 / 3	18.8	18	0.931	18	18	18	Mean
			Manganese	3 / 3	314	307	9.64	323	270	323	95% t-statistic UCL
			Nickel	3 / 3	15.5	15	0.551	15.9	13.3	15.9	95% t-statistic UCL
			Thallium	3 / 3	0.134	0.129	0.005	0.137	0.115	0.137	95% t-statistic UCL
			Vanadium	3 / 3	27.3	26.9	0.551	27.9	23.3	27.9	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
206-H2	650	House	Aluminum	1 / 1	19000	19000	N/A	22800	19000	22800	Result*CF
			Antimony	1 / 1	2.78	2.78	N/A	3.34	2.79	3.34	Result*CF
			Arsenic	1 / 1	17.5	17.5	N/A	21	17.5	21	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.8	1.8	N/A	2.16	1.8	2.16	Result*CF
			Cadmium	1 / 1	6.82	6.82	N/A	8.18	6.83	8.18	Result*CF
			Chromium	1 / 1	52.5	52.5	N/A	63	52.6	63	Result*CF
			Cobalt	1 / 1	16	16	N/A	19.2	16	19.2	Result*CF
			Iron	1 / 1	19600	19600	N/A	23500	19600	23500	Result*CF
			Lead	1 / 1	295	295	N/A	295	295	295	Mean
			RBA Adjusted Lead	1 / 1	285	285	N/A	285	285	285	Mean
			Manganese	1 / 1	618	618	N/A	742	619	742	Result*CF
			Nickel	1 / 1	123	123	N/A	148	123	148	Result*CF
			Thallium	1 / 1	0.346	0.346	N/A	0.415	0.347	0.415	Result*CF
			Vanadium	1 / 1	31.1	31.1	N/A	37.3	31.2	37.3	Result*CF
206-O1	651	Other -Not Specified	Aluminum	1 / 1	16800	16800	N/A	20200	16800	20200	Result*CF
			Antimony	1 / 1	3.69	3.69	N/A	4.43	3.7	4.43	Result*CF
			Arsenic	1 / 1	22.2	22.2	N/A	26.6	22.2	26.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.63	3.63	N/A	4.36	3.64	4.36	Result*CF
			Cadmium	1 / 1	4.16	4.16	N/A	4.99	4.17	4.99	Result*CF
			Chromium	1 / 1	27.2	27.2	N/A	32.6	27.3	32.6	Result*CF
			Cobalt	1 / 1	8.76	8.76	N/A	10.5	8.78	10.5	Result*CF
			Iron	1 / 1	21900	21900	N/A	26300	21900	26300	Result*CF
			Lead	1 / 1	300	300	N/A	300	300	300	Mean
			RBA Adjusted Lead	1 / 1	252	252	N/A	252	252	252	Mean
			Manganese	1 / 1	629	629	N/A	755	630	755	Result*CF
			Nickel	1 / 1	23.2	23.2	N/A	27.8	23.2	27.8	Result*CF
			Thallium	1 / 1	0.431	0.431	N/A	0.517	0.432	0.517	Result*CF
			Vanadium	1 / 1	42.4	42.4	N/A	50.9	42.5	50.9	Result*CF
207-O1	652	Other -Not Specified	Aluminum	3 / 3	11500	11100	361	11700	9780	11700	95% t-statistic UCL
			Antimony	3 / 3	1.56	1.49	0.0611	1.6	1.33	1.6	95% t-statistic UCL
			Arsenic	3 / 3	12.4	12.3	0.1	12.5	10.4	12.5	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.26	1.25	0.0102	1.27	1.06	1.27	95% t-statistic UCL
			Cadmium	3 / 3	3.24	3.05	0.176	3.35	2.8	3.35	95% t-statistic UCL
			Chromium	3 / 3	12.5	12.2	0.289	12.7	10.6	12.7	95% t-statistic UCL
			Cobalt	3 / 3	4.44	4.29	0.135	4.52	3.77	4.52	95% t-statistic UCL
			Iron	3 / 3	13000	12800	208	13200	11000	13200	95% t-statistic UCL
			Lead	3 / 3	145	141	6.08	141	141	141	Mean
			RBA Adjusted Lead	3 / 3	114	111	4.78	111	111	111	Mean
			Manganese	3 / 3	405	399	7.21	411	343	411	95% t-statistic UCL
			Nickel	3 / 3	10.9	10.7	0.173	11	9.18	11	95% t-statistic UCL
			Thallium	3 / 3	0.222	0.218	0.00608	0.228	0.191	0.228	95% t-statistic UCL
			Vanadium	3 / 3	22.1	22	0.153	22.2	18.6	22.2	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
208AA	141	Animal Activity Area	Aluminum	3 / 3	10800	10700	115	10900	9120	10900	95% t-statistic UCL
			Antimony	3 / 3	2.03	1.99	0.0361	2.05	1.71	2.05	95% t-statistic UCL
			Arsenic	3 / 3	10.3	9.94	0.388	10.6	8.85	10.6	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.37	3.25	0.127	3.47	2.89	3.47	95% t-statistic UCL
			Cadmium	3 / 3	3.97	3.9	0.0907	4.06	3.39	4.06	95% t-statistic UCL
			Chromium	3 / 3	18.8	18.4	0.635	19.5	16.3	19.5	95% t-statistic UCL
			Cobalt	3 / 3	6.29	6.13	0.219	6.5	5.43	6.5	95% t-statistic UCL
			Iron	3 / 3	14800	14600	252	15000	12500	15000	95% t-statistic UCL
			Lead	3 / 3	175	171	6.66	171	171	171	Mean
			RBA Adjusted Lead	3 / 3	178	173	6.76	173	173	173	Mean
			Manganese	3 / 3	449	438	10.1	455	380	455	95% t-statistic UCL
			Nickel	3 / 3	15.8	15.4	0.404	16	13.4	16	95% t-statistic UCL
			Thallium	3 / 3	0.247	0.239	0.0085	0.253	0.211	0.253	95% t-statistic UCL
			Vanadium	3 / 3	26.2	25.7	0.723	27	22.5	27	95% t-statistic UCL
208BM	142	House	Aluminum	3 / 3	13800	13600	208	14000	11700	14000	95% t-statistic UCL
			Antimony	3 / 3	1.26	1.2	0.0493	1.29	1.07	1.29	95% t-statistic UCL
			Arsenic	3 / 3	15.2	14.8	0.361	15.4	12.9	15.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.19	4.08	0.0994	4.25	3.55	4.25	95% t-statistic UCL
			Cadmium	3 / 3	2.62	2.45	0.151	2.7	2.26	2.7	95% t-statistic UCL
			Chromium	3 / 3	37.1	36.4	0.643	37.5	31.3	37.5	95% t-statistic UCL
			Cobalt	3 / 3	10.9	10.6	0.306	11.1	9.25	11.1	95% t-statistic UCL
			Iron	3 / 3	22500	22100	404	22700	19000	22700	95% t-statistic UCL
			Lead	3 / 3	112	106	6.03	106	106	106	Mean
			RBA Adjusted Lead	3 / 3	119	113	6.42	113	113	113	Mean
			Manganese	3 / 3	676	667	12.5	688	575	688	95% t-statistic UCL
			Nickel	3 / 3	23.9	23.2	0.651	24.3	20.3	24.3	95% t-statistic UCL
			Thallium	3 / 3	0.232	0.211	0.0189	0.243	0.203	0.243	95% t-statistic UCL
			Vanadium	3 / 3	47.7	46.6	0.945	48.2	40.3	48.2	95% t-statistic UCL
208G	144	Garden	Aluminum	3 / 3	16700	16300	458	17100	14300	17100	95% t-statistic UCL
			Antimony	3 / 3	1.23	1.19	0.0513	1.27	1.06	1.27	95% t-statistic UCL
			Arsenic	3 / 3	17.8	17.5	0.493	18.3	15.3	18.3	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.73	3.66	0.103	3.83	3.2	3.83	95% t-statistic UCL
			Cadmium	3 / 3	2.68	2.62	0.0981	2.79	2.33	2.79	95% t-statistic UCL
			Chromium	3 / 3	42.9	42.1	0.854	43.5	36.4	43.5	95% t-statistic UCL
			Cobalt	3 / 3	12.6	12.4	0.265	12.8	10.7	12.8	95% t-statistic UCL
			Iron	3 / 3	25900	25300	656	26400	22000	26400	95% t-statistic UCL
			Lead	3 / 3	106	102	4.35	102	102	102	Mean
			RBA Adjusted Lead	3 / 3	95.9	92	3.94	92	92	92	Mean
			Manganese	3 / 3	878	850	32.2	905	755	905	95% t-statistic UCL
			Nickel	3 / 3	29	28.3	0.656	29.4	24.6	29.4	95% t-statistic UCL
			Thallium	3 / 3	0.226	0.22	0.006	0.23	0.192	0.23	95% t-statistic UCL
			Vanadium	3 / 3	54.7	53.9	1.14	55.8	46.6	55.8	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
208-H1	653	House	Aluminum	3 / 3	18600	18400	153	18700	15600	18700	95% t-statistic UCL
			Antimony	3 / 3	3.92	3.82	0.0874	3.97	3.32	3.97	95% t-statistic UCL
			Arsenic	3 / 3	21.2	20.3	1.29	22.4	18.7	22.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	5.84	5.59	0.354	6.18	5.16	6.18	95% t-statistic UCL
			Cadmium	3 / 3	5.46	5.11	0.35	5.7	4.76	5.7	95% t-statistic UCL
			Chromium	3 / 3	17.2	16.9	0.351	17.5	14.6	17.5	95% t-statistic UCL
			Cobalt	3 / 3	6.28	6.19	0.142	6.43	5.37	6.43	95% t-statistic UCL
			Iron	3 / 3	16400	16400	57.7	16500	13700	16500	95% t-statistic UCL
			Lead	3 / 3	255	248	6.24	248	248	248	Mean
			RBA Adjusted Lead	3 / 3	272	264	6.65	264	264	264	Mean
			Manganese	3 / 3	896	865	31.5	918	767	918	95% t-statistic UCL
			Nickel	3 / 3	15	14.7	0.289	15.2	12.7	15.2	95% t-statistic UCL
			Thallium	3 / 3	0.367	0.358	0.00833	0.372	0.31	0.372	95% t-statistic UCL
			Vanadium	3 / 3	29.6	29.2	0.361	29.8	24.9	29.8	95% t-statistic UCL
209A	145	Agriculture	Aluminum	3 / 3	11900	11700	252	12100	10100	12100	95% t-statistic UCL
			Antimony	3 / 3	1.61	1.44	0.158	1.7	1.42	1.7	95% t-statistic UCL
			Arsenic	3 / 3	16.7	15.1	1.48	17.6	14.7	17.6	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.95	2.67	0.263	3.11	2.6	3.11	95% t-statistic UCL
			Cadmium	3 / 3	3.56	3.1	0.406	3.79	3.16	3.79	95% t-statistic UCL
			Chromium	3 / 3	33.6	30.9	2.46	35	29.3	35	95% t-statistic UCL
			Cobalt	3 / 3	9.91	9.56	0.476	10.4	8.66	10.4	95% t-statistic UCL
			Iron	3 / 3	20200	19900	416	20600	17200	20600	95% t-statistic UCL
			Lead	3 / 3	154	131	20.3	131	131	131	Mean
			RBA Adjusted Lead	3 / 3	136	116	18	116	116	116	Mean
			Manganese	3 / 3	686	650	36.5	711	594	711	95% t-statistic UCL
			Nickel	3 / 3	21	19.7	1.21	21.7	18.2	21.7	95% t-statistic UCL
			Thallium	3 / 3	0.244	0.237	0.00702	0.249	0.208	0.249	95% t-statistic UCL
			Vanadium	3 / 3	42.4	40.9	1.73	43.8	36.6	43.8	95% t-statistic UCL
209-G1	654	Garden	Aluminum	3 / 3	22700	21900	802	23200	19400	23200	95% t-statistic UCL
			Antimony	3 / 3	3.03	2.96	0.0874	3.1	2.59	3.1	95% t-statistic UCL
			Arsenic	3 / 3	26.6	25.5	1.15	27.4	22.9	27.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.85	3.68	0.166	3.96	3.31	3.96	95% t-statistic UCL
			Cadmium	3 / 3	7.26	7.11	0.167	7.39	6.17	7.39	95% t-statistic UCL
			Chromium	3 / 3	15.5	14.8	0.611	15.9	13.2	15.9	95% t-statistic UCL
			Cobalt	3 / 3	6.67	6.4	0.244	6.82	5.69	6.82	95% t-statistic UCL
			Iron	3 / 3	16600	16000	551	17000	14200	17000	95% t-statistic UCL
			Lead	3 / 3	281	267	14	267	267	267	Mean
			RBA Adjusted Lead	3 / 3	251	239	12.5	239	239	239	Mean
			Manganese	3 / 3	705	682	27.1	727	607	727	95% t-statistic UCL
			Nickel	3 / 3	14.3	13.7	0.493	14.6	12.2	14.6	95% t-statistic UCL
			Thallium	3 / 3	0.377	0.358	0.0168	0.386	0.322	0.386	95% t-statistic UCL
			Vanadium	3 / 3	26.2	25.2	0.896	26.7	22.3	26.7	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
209-H1	655	House	Aluminum	1 / 1	20700	20700	N/A	24800	20700	24800	Result*CF
			Antimony	1 / 1	3.66	3.66	N/A	4.39	3.67	4.39	Result*CF
			Arsenic	1 / 1	22	22	N/A	26.4	22	26.4	Result*CF
			RBA Adjusted Arsenic	1 / 1	6.06	6.06	N/A	7.28	6.08	7.28	Result*CF
			Cadmium	1 / 1	8.17	8.17	N/A	9.8	8.19	9.8	Result*CF
			Chromium	1 / 1	16.9	16.9	N/A	20.3	16.9	20.3	Result*CF
			Cobalt	1 / 1	6.5	6.5	N/A	7.8	6.51	7.8	Result*CF
			Iron	1 / 1	16900	16900	N/A	20300	16900	20300	Result*CF
			Lead	1 / 1	368	368	N/A	368	368	368	Mean
			RBA Adjusted Lead	1 / 1	392	392	N/A	392	392	392	Mean
			Manganese	1 / 1	624	624	N/A	749	625	749	Result*CF
			Nickel	1 / 1	16	16	N/A	19.2	16	19.2	Result*CF
			Thallium	1 / 1	0.411	0.411	N/A	0.493	0.412	0.493	Result*CF
			Vanadium	1 / 1	27.2	27.2	N/A	32.6	27.3	32.6	Result*CF
209-P1	656	Play Area	Aluminum	1 / 1	21600	21600	N/A	25900	21600	25900	Result*CF
			Antimony	1 / 1	4.44	4.44	N/A	5.33	4.45	5.33	Result*CF
			Arsenic	1 / 1	26.4	26.4	N/A	31.7	26.5	31.7	Result*CF
			RBA Adjusted Arsenic	1 / 1	7.28	7.28	N/A	8.73	7.29	8.73	Result*CF
			Cadmium	1 / 1	11	11	N/A	13.2	11	13.2	Result*CF
			Chromium	1 / 1	14.5	14.5	N/A	17.4	14.5	17.4	Result*CF
			Cobalt	1 / 1	6.52	6.52	N/A	7.82	6.53	7.82	Result*CF
			Iron	1 / 1	16000	16000	N/A	19200	16000	19200	Result*CF
			Lead	1 / 1	486	486	N/A	486	486	486	Mean
			RBA Adjusted Lead	1 / 1	518	518	N/A	518	518	518	Mean
			Manganese	1 / 1	764	764	N/A	917	766	917	Result*CF
			Nickel	1 / 1	13.9	13.9	N/A	16.7	13.9	16.7	Result*CF
			Thallium	1 / 1	0.466	0.466	N/A	0.559	0.467	0.559	Result*CF
			Vanadium	1 / 1	24.7	24.7	N/A	29.6	24.7	29.6	Result*CF
210-H1	657	House	Aluminum	1 / 1	10700	10700	N/A	12800	10700	12800	Result*CF
			Antimony	1 / 1	0.954	0.954	N/A	1.14	0.956	1.14	Result*CF
			Arsenic	1 / 1	11.5	11.5	N/A	13.8	11.5	13.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.43	2.43	N/A	2.92	2.44	2.92	Result*CF
			Cadmium	1 / 1	2.13	2.13	N/A	2.56	2.13	2.56	Result*CF
			Chromium	1 / 1	15.3	15.3	N/A	18.4	15.3	18.4	Result*CF
			Cobalt	1 / 1	4.72	4.72	N/A	5.66	4.73	5.66	Result*CF
			Iron	1 / 1	14500	14500	N/A	17400	14500	17400	Result*CF
			Lead	1 / 1	105	105	N/A	105	105	105	Mean
			RBA Adjusted Lead	1 / 1	114	114	N/A	114	114	114	Mean
			Manganese	1 / 1	326	326	N/A	391	327	391	Result*CF
			Nickel	1 / 1	13.4	13.4	N/A	16.1	13.4	16.1	Result*CF
			Thallium	1 / 1	0.177	0.177	N/A	0.212	0.177	0.212	Result*CF
			Vanadium	1 / 1	22.5	22.5	N/A	27	22.5	27	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
210-O1	658	Other -Not Specified	Aluminum	3 / 3	12100	11800	289	12300	10200	12300	95% t-statistic UCL
			Antimony	3 / 3	1.5	1.39	0.11	1.58	1.32	1.58	95% t-statistic UCL
			Arsenic	3 / 3	16.2	15.3	0.961	17	14.2	17	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.65	2.51	0.157	2.77	2.32	2.77	95% t-statistic UCL
			Cadmium	3 / 3	3.3	3.27	0.0289	3.32	2.77	3.32	95% t-statistic UCL
			Chromium	3 / 3	13.9	13.7	0.265	14.1	11.8	14.1	95% t-statistic UCL
			Cobalt	3 / 3	4.45	4.39	0.0529	4.48	3.74	4.48	95% t-statistic UCL
			Iron	3 / 3	14400	14100	351	14700	12200	14700	95% t-statistic UCL
			Lead	3 / 3	156	152	4.58	152	152	152	Mean
			RBA Adjusted Lead	3 / 3	131	128	3.86	128	128	128	Mean
			Manganese	3 / 3	391	380	12.2	401	335	401	95% t-statistic UCL
			Nickel	3 / 3	12.3	12.1	0.252	12.5	10.4	12.5	95% t-statistic UCL
			Thallium	3 / 3	0.208	0.204	0.00513	0.212	0.177	0.212	95% t-statistic UCL
			Vanadium	3 / 3	21.9	21.6	0.416	22.3	18.6	22.3	95% t-statistic UCL
211-A1	659	Garden	Aluminum	1 / 1	10800	10800	N/A	13000	10800	13000	Result*CF
			Antimony	1 / 1	1.03	1.03	N/A	1.24	1.03	1.24	Result*CF
			Arsenic	1 / 1	9.55	9.55	N/A	11.5	9.57	11.5	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.56	1.56	N/A	1.88	1.57	1.88	Result*CF
			Cadmium	1 / 1	2.12	2.12	N/A	2.54	2.12	2.54	Result*CF
			Chromium	1 / 1	17.4	17.4	N/A	20.9	17.4	20.9	Result*CF
			Cobalt	1 / 1	5.4	5.4	N/A	6.48	5.41	6.48	Result*CF
			Iron	1 / 1	14500	14500	N/A	17400	14500	17400	Result*CF
			Lead	1 / 1	85.4	85.4	N/A	85.4	85.4	85.4	Mean
			RBA Adjusted Lead	1 / 1	71.8	71.8	N/A	71.8	71.8	71.8	Mean
			Manganese	1 / 1	540	540	N/A	648	541	648	Result*CF
			Nickel	1 / 1	12.3	12.3	N/A	14.8	12.3	14.8	Result*CF
			Thallium	1 / 1	0.197	0.197	N/A	0.236	0.197	0.236	Result*CF
			Vanadium	1 / 1	26.2	26.2	N/A	31.4	26.3	31.4	Result*CF
211-G1	660	Garden	Aluminum	1 / 1	11500	11500	N/A	13800	11500	13800	Result*CF
			Antimony	1 / 1	0.742	0.742	N/A	0.89	0.743	0.89	Result*CF
			Arsenic	1 / 1	9.23	9.23	N/A	11.1	9.25	11.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.51	1.51	N/A	1.81	1.51	1.81	Result*CF
			Cadmium	1 / 1	1.08	1.08	N/A	1.3	1.08	1.3	Result*CF
			Chromium	1 / 1	19.5	19.5	N/A	23.4	19.5	23.4	Result*CF
			Cobalt	1 / 1	6.3	6.3	N/A	7.56	6.31	7.56	Result*CF
			Iron	1 / 1	16700	16700	N/A	20000	16700	20000	Result*CF
			Lead	1 / 1	45.9	45.9	N/A	45.9	45.9	45.9	Mean
			RBA Adjusted Lead	1 / 1	38.6	38.6	N/A	38.6	38.6	38.6	Mean
			Manganese	1 / 1	507	507	N/A	608	508	608	Result*CF
			Nickel	1 / 1	14.7	14.7	N/A	17.6	14.7	17.6	Result*CF
			Thallium	1 / 1	0.162	0.162	N/A	0.194	0.162	0.194	Result*CF
			Vanadium	1 / 1	29.6	29.6	N/A	35.5	29.7	35.5	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
211-G2	661	Garden	Aluminum	1 / 1	12700	12700	N/A	15200	12700	15200	Result*CF
			Antimony	1 / 1	1.03	1.03	N/A	1.24	1.03	1.24	Result*CF
			Arsenic	1 / 1	12.7	12.7	N/A	15.2	12.7	15.2	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.08	2.08	N/A	2.49	2.08	2.49	Result*CF
			Cadmium	1 / 1	1.37	1.37	N/A	1.64	1.37	1.64	Result*CF
			Chromium	1 / 1	17.1	17.1	N/A	20.5	17.1	20.5	Result*CF
			Cobalt	1 / 1	6.63	6.63	N/A	7.96	6.64	7.96	Result*CF
			Iron	1 / 1	16700	16700	N/A	20000	16700	20000	Result*CF
			Lead	1 / 1	53.1	53.1	N/A	53.1	53.1	53.1	Mean
			RBA Adjusted Lead	1 / 1	44.7	44.7	N/A	44.7	44.7	44.7	Mean
			Manganese	1 / 1	556	556	N/A	667	557	667	Result*CF
			Nickel	1 / 1	15.2	15.2	N/A	18.2	15.2	18.2	Result*CF
			Thallium	1 / 1	0.164	0.164	N/A	0.197	0.164	0.197	Result*CF
			Vanadium	1 / 1	26.1	26.1	N/A	31.3	26.2	31.3	Result*CF
211-H1	662	House	Aluminum	1 / 1	10000	10000	N/A	12000	10000	12000	Result*CF
			Antimony	1 / 1	0.822	0.822	N/A	0.986	0.824	0.986	Result*CF
			Arsenic	1 / 1	7.97	7.97	N/A	9.56	7.99	9.56	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.3	1.3	N/A	1.57	1.31	1.57	Result*CF
			Cadmium	1 / 1	2.23	2.23	N/A	2.68	2.23	2.68	Result*CF
			Chromium	1 / 1	19.7	19.7	N/A	23.6	19.7	23.6	Result*CF
			Cobalt	1 / 1	6.05	6.05	N/A	7.26	6.06	7.26	Result*CF
			Iron	1 / 1	15100	15100	N/A	18100	15100	18100	Result*CF
			Lead	1 / 1	84	84	N/A	84	84	84	Mean
			RBA Adjusted Lead	1 / 1	70.7	70.7	N/A	70.7	70.7	70.7	Mean
			Manganese	1 / 1	486	486	N/A	583	487	583	Result*CF
			Nickel	1 / 1	13.9	13.9	N/A	16.7	13.9	16.7	Result*CF
			Thallium	1 / 1	0.218	0.218	N/A	0.262	0.218	0.262	Result*CF
			Vanadium	1 / 1	30.8	30.8	N/A	37	30.9	37	Result*CF
211-O1	663	Other -Not Specified	Aluminum	3 / 3	10100	9330	672	10500	8730	10500	95% t-statistic UCL
			Antimony	3 / 3	1.35	1.31	0.0551	1.41	1.17	1.41	95% t-statistic UCL
			Arsenic	3 / 3	10.6	10.3	0.384	11	9.17	11	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.73	1.69	0.0629	1.8	1.5	1.8	95% t-statistic UCL
			Cadmium	3 / 3	3.98	3.76	0.255	4.19	3.5	4.19	95% t-statistic UCL
			Chromium	3 / 3	18	17	0.874	18.5	15.5	18.5	95% t-statistic UCL
			Cobalt	3 / 3	5.53	5.3	0.216	5.67	4.73	5.67	95% t-statistic UCL
			Iron	3 / 3	15400	14600	737	15800	13200	15800	95% t-statistic UCL
			Lead	3 / 3	159	151	8.02	151	151	151	Mean
			RBA Adjusted Lead	3 / 3	134	127	6.75	127	127	127	Mean
			Manganese	3 / 3	562	529	28.4	577	482	577	95% t-statistic UCL
			Nickel	3 / 3	13	12.4	0.529	13.3	11.1	13.3	95% t-statistic UCL
			Thallium	3 / 3	0.288	0.277	0.0121	0.297	0.248	0.297	95% t-statistic UCL
			Vanadium	3 / 3	29.5	27.5	1.91	30.7	25.6	30.7	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
212-H1	664	House	Aluminum	1 / 1	6670	6670	N/A	8000	6680	8000	Result*CF
			Antimony	1 / 1	3.25	3.25	N/A	3.9	3.26	3.9	Result*CF
			Arsenic	1 / 1	12.3	12.3	N/A	14.8	12.3	14.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.56	1.56	N/A	1.88	1.57	1.88	Result*CF
			Cadmium	1 / 1	5.45	5.45	N/A	6.54	5.46	6.54	Result*CF
			Chromium	1 / 1	20	20	N/A	24	20	24	Result*CF
			Cobalt	1 / 1	6.01	6.01	N/A	7.21	6.02	7.21	Result*CF
			Iron	1 / 1	28700	28700	N/A	34400	28800	34400	Result*CF
			Lead	1 / 1	256	256	N/A	256	256	256	Mean
			RBA Adjusted Lead	1 / 1	188	188	N/A	188	188	188	Mean
			Manganese	1 / 1	342	342	N/A	410	343	410	Result*CF
			Nickel	1 / 1	16	16	N/A	19.2	16	19.2	Result*CF
			Thallium	1 / 1	0.307	0.307	N/A	0.368	0.308	0.368	Result*CF
			Vanadium	1 / 1	35.1	35.1	N/A	42.1	35.2	42.1	Result*CF
212-H2	665	House	Aluminum	3 / 3	6320	6210	97.1	6380	5320	6380	95% t-statistic UCL
			Antimony	3 / 3	1.8	1.62	0.167	1.9	1.59	1.9	95% t-statistic UCL
			Arsenic	3 / 3	13.4	13.2	0.346	13.8	11.5	13.8	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.47	2.43	0.0638	2.54	2.12	2.54	95% t-statistic UCL
			Cadmium	3 / 3	4.42	4.31	0.106	4.49	3.75	4.49	95% t-statistic UCL
			Chromium	3 / 3	18	17.8	0.265	18.2	15.2	18.2	95% t-statistic UCL
			Cobalt	3 / 3	5.74	5.65	0.0854	5.79	4.84	5.79	95% t-statistic UCL
			Iron	3 / 3	22600	22300	379	23000	19200	23000	95% t-statistic UCL
			Lead	3 / 3	227	222	5.57	222	222	222	Mean
			RBA Adjusted Lead	3 / 3	153	149	3.74	149	149	149	Mean
			Manganese	3 / 3	322	314	10	331	277	331	95% t-statistic UCL
			Nickel	3 / 3	14.6	14.3	0.252	14.8	12.3	14.8	95% t-statistic UCL
			Thallium	3 / 3	0.214	0.212	0.00208	0.216	0.18	0.216	95% t-statistic UCL
			Vanadium	3 / 3	34.3	33.9	0.346	34.5	28.8	34.5	95% t-statistic UCL
213-O1	666	Other -Not Specified	Aluminum	1 / 1	19800	19800	N/A	23800	19800	23800	Result*CF
			Antimony	1 / 1	0.672	0.672	N/A	0.806	0.673	0.806	Result*CF
			Arsenic	1 / 1	9.81	9.81	N/A	11.8	9.83	11.8	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.7	2.7	N/A	3.24	2.71	3.24	Result*CF
			Cadmium	1 / 1	0.895	0.895	N/A	1.07	0.897	1.07	Result*CF
			Chromium	1 / 1	24.6	24.6	N/A	29.5	24.6	29.5	Result*CF
			Cobalt	1 / 1	8.78	8.78	N/A	10.5	8.8	10.5	Result*CF
			Iron	1 / 1	19800	19800	N/A	23800	19800	23800	Result*CF
			Lead	1 / 1	33.3	33.3	N/A	33.3	33.3	33.3	Mean
			RBA Adjusted Lead	1 / 1	35.5	35.5	N/A	35.5	35.5	35.5	Mean
			Manganese	1 / 1	720	720	N/A	864	721	864	Result*CF
			Nickel	1 / 1	26.3	26.3	N/A	31.6	26.4	31.6	Result*CF
			Thallium	1 / 1	0.173	0.173	N/A	0.208	0.173	0.208	Result*CF
			Vanadium	1 / 1	30.6	30.6	N/A	36.7	30.7	36.7	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
213-O2	667	Other -Not Specified	Aluminum	3 / 3	22300	22000	300	22500	18800	22500	95% t-statistic UCL
			Antimony	3 / 3	1.47	1.23	0.221	1.6	1.33	1.6	95% t-statistic UCL
			Arsenic	3 / 3	14.3	13.6	0.808	14.9	12.5	14.9	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.94	3.74	0.223	4.12	3.44	4.12	95% t-statistic UCL
			Cadmium	3 / 3	1.88	1.77	0.105	1.95	1.63	1.95	95% t-statistic UCL
			Chromium	3 / 3	28.1	28	0.115	28.2	23.5	28.2	95% t-statistic UCL
			Cobalt	3 / 3	10.4	9.84	0.508	10.7	8.93	10.7	95% t-statistic UCL
			Iron	3 / 3	20900	20700	265	21100	17700	21100	95% t-statistic UCL
			Lead	3 / 3	82.8	79.2	4.4	79.2	79.2	79.2	Mean
			RBA Adjusted Lead	3 / 3	88.2	84.3	4.68	84.3	84.3	84.3	Mean
			Manganese	3 / 3	697	668	30.7	720	601	720	95% t-statistic UCL
			Nickel	3 / 3	25.8	25.4	0.321	26	21.7	26	95% t-statistic UCL
			Thallium	3 / 3	0.397	0.293	0.0911	0.446	0.373	0.446	95% t-statistic UCL
			Vanadium	3 / 3	37.4	37.2	0.208	37.5	31.3	37.5	95% t-statistic UCL
213-O3	668	Other -Not Specified	Aluminum	1 / 1	9000	9000	N/A	10800	9020	10800	Result*CF
			Antimony	1 / 1	0.866	0.866	N/A	1.04	0.868	1.04	Result*CF
			Arsenic	1 / 1	9.28	9.28	N/A	11.1	9.3	11.1	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.56	2.56	N/A	3.07	2.56	3.07	Result*CF
			Cadmium	1 / 1	1.06	1.06	N/A	1.27	1.06	1.27	Result*CF
			Chromium	1 / 1	38.5	38.5	N/A	46.2	38.6	46.2	Result*CF
			Cobalt	1 / 1	8.43	8.43	N/A	10.1	8.45	10.1	Result*CF
			Iron	1 / 1	24300	24300	N/A	29200	24300	29200	Result*CF
			Lead	1 / 1	54	54	N/A	54	54	54	Mean
			RBA Adjusted Lead	1 / 1	57.5	57.5	N/A	57.5	57.5	57.5	Mean
			Manganese	1 / 1	430	430	N/A	516	431	516	Result*CF
			Nickel	1 / 1	21.1	21.1	N/A	25.3	21.1	25.3	Result*CF
			Thallium	1 / 1	0.146	0.146	N/A	0.175	0.146	0.175	Result*CF
			Vanadium	1 / 1	53.5	53.5	N/A	64.2	53.6	64.2	Result*CF
21G	149	Garden	Aluminum	3 / 3	22600	22100	503	23000	19200	23000	95% t-statistic UCL
			Antimony	3 / 3	5.16	5.03	0.13	5.25	4.38	5.25	95% t-statistic UCL
			Arsenic	3 / 3	24.1	23.2	0.814	24.5	20.5	24.5	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	5.64	5.42	0.19	5.74	4.79	5.74	95% t-statistic UCL
			Cadmium	3 / 3	7.08	6.93	0.13	7.15	5.97	7.15	95% t-statistic UCL
			Chromium	3 / 3	17.3	17.1	0.252	17.5	14.6	17.5	95% t-statistic UCL
			Cobalt	3 / 3	6.23	6.09	0.122	6.3	5.26	6.3	95% t-statistic UCL
			Iron	3 / 3	16200	15900	300	16400	13700	16400	95% t-statistic UCL
			Lead	3 / 3	327	314	11.7	314	314	314	Mean
			RBA Adjusted Lead	3 / 3	352	337	12.6	337	337	337	Mean
			Manganese	3 / 3	557	541	13.6	564	471	564	95% t-statistic UCL
			Nickel	3 / 3	16.2	14.2	1.76	17.1	14.3	17.1	95% t-statistic UCL
			Thallium	3 / 3	0.376	0.364	0.0115	0.383	0.32	0.383	95% t-statistic UCL
			Vanadium	3 / 3	32.1	31.6	0.557	32.5	27.2	32.5	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
226C	134	House	Aluminum	3 / 3	7150	6880	239	7280	6080	7280	95% t-statistic UCL
			Antimony	3 / 3	4.83	3.27	1.36	5.56	4.64	5.56	95% t-statistic UCL
			Arsenic	3 / 3	16.6	15.7	0.954	17.3	14.5	17.3	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	5.48	5.18	0.315	5.72	4.77	5.72	95% t-statistic UCL
			Cadmium	3 / 3	4.4	3.76	0.604	4.78	3.99	4.78	95% t-statistic UCL
			Chromium	3 / 3	21.8	18.7	2.75	23.4	19.5	23.4	95% t-statistic UCL
			Cobalt	3 / 3	4.86	4.62	0.209	4.97	4.15	4.97	95% t-statistic UCL
			Iron	3 / 3	12900	12700	208	13000	10900	13000	95% t-statistic UCL
			Lead	3 / 3	410	317	83.4	317	317	317	Mean
			RBA Adjusted Lead	3 / 3	511	395	104	395	395	395	Mean
			Manganese	3 / 3	400	356	52.3	444	371	444	95% t-statistic UCL
			Nickel	3 / 3	12.2	11.8	0.4	12.5	10.4	12.5	95% t-statistic UCL
			Thallium	3 / 3	0.497	0.407	0.0813	0.544	0.454	0.544	95% t-statistic UCL
			Vanadium	3 / 3	23.8	23.3	0.458	24.1	20.1	24.1	95% t-statistic UCL
230G	79	Garden	Aluminum	1 / 1	7750	7750	N/A	9300	7770	9300	Result*CF
			Antimony	1 / 1	0.869	0.869	N/A	1.04	0.871	1.04	Result*CF
			Arsenic	1 / 1	6.26	6.26	N/A	7.51	6.27	7.51	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.73	1.73	N/A	2.07	1.73	2.07	Result*CF
			Cadmium	1 / 1	1.12	1.12	N/A	1.34	1.12	1.34	Result*CF
			Chromium	1 / 1	20.1	20.1	N/A	24.1	20.1	24.1	Result*CF
			Cobalt	1 / 1	5.44	5.44	N/A	6.53	5.45	6.53	Result*CF
			Iron	1 / 1	13700	13700	N/A	16400	13700	16400	Result*CF
			Lead	1 / 1	75.2	75.2	N/A	75.2	75.2	75.2	Mean
			RBA Adjusted Lead	1 / 1	80.1	80.1	N/A	80.1	80.1	80.1	Mean
			Manganese	1 / 1	260	260	N/A	312	261	312	Result*CF
			Nickel	1 / 1	15	15	N/A	18	15	18	Result*CF
			Thallium	1 / 1	0.181	0.181	N/A	0.217	0.181	0.217	Result*CF
			Vanadium	1 / 1	28	28	N/A	33.6	28.1	33.6	Result*CF
231Lower	30	Other -Not Specified	Aluminum	3 / 3	10200	9980	204	10300	8620	10300	95% t-statistic UCL
			Antimony	3 / 3	1.51	1.44	0.0608	1.54	1.29	1.54	95% t-statistic UCL
			Arsenic	3 / 3	14.9	14.6	0.265	15	12.6	15	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.24	4.15	0.0752	4.28	3.57	4.28	95% t-statistic UCL
			Cadmium	3 / 3	3.07	3.01	0.0656	3.12	2.61	3.12	95% t-statistic UCL
			Chromium	3 / 3	17.4	16.8	0.569	17.7	14.8	17.7	95% t-statistic UCL
			Cobalt	3 / 3	6.72	6.61	0.147	6.86	5.72	6.86	95% t-statistic UCL
			Iron	3 / 3	17700	17500	208	17900	14900	17900	95% t-statistic UCL
			Lead	3 / 3	135	130	4.62	130	130	130	Mean
			RBA Adjusted Lead	3 / 3	144	138	4.91	138	138	138	Mean
			Manganese	3 / 3	407	389	15.4	415	347	415	95% t-statistic UCL
			Nickel	3 / 3	16.9	16.7	0.265	17.1	14.3	17.1	95% t-statistic UCL
			Thallium	3 / 3	0.261	0.256	0.00551	0.265	0.221	0.265	95% t-statistic UCL
			Vanadium	3 / 3	29.6	29.3	0.52	30.2	25.2	30.2	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
238G	119	Garden	Aluminum	3 / 3	10800	10700	115	10900	9120	10900	95% t-statistic UCL
			Antimony	3 / 3	0.515	0.502	0.0148	0.527	0.44	0.527	95% t-statistic UCL
			Arsenic	3 / 3	6.21	6.04	0.162	6.31	5.27	6.31	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.71	1.66	0.0446	1.74	1.45	1.74	95% t-statistic UCL
			Cadmium	3 / 3	1.19	1.16	0.0436	1.23	1.03	1.23	95% t-statistic UCL
			Chromium	3 / 3	18.8	18.4	0.351	19	15.9	19	95% t-statistic UCL
			Cobalt	3 / 3	5.96	5.81	0.167	6.09	5.09	6.09	95% t-statistic UCL
			Iron	3 / 3	14700	14600	153	14800	12400	14800	95% t-statistic UCL
			Lead	3 / 3	45.4	44.3	1.79	44.3	44.3	44.3	Mean
			RBA Adjusted Lead	3 / 3	48.3	47.1	1.91	47.1	47.1	47.1	Mean
			Manganese	3 / 3	308	305	2.52	310	258	310	95% t-statistic UCL
			Nickel	3 / 3	17.5	16.8	0.702	18	15	18	95% t-statistic UCL
			Thallium	3 / 3	0.139	0.135	0.00379	0.141	0.118	0.141	95% t-statistic UCL
			Vanadium	3 / 3	26.5	25.9	0.721	27.1	22.6	27.1	95% t-statistic UCL
238M	120	Other -Not Specified	Aluminum	1 / 1	7810	7810	N/A	9370	7830	9370	Result*CF
			Antimony	1 / 1	0.365	0.365	N/A	0.438	0.366	0.438	Result*CF
			Arsenic	1 / 1	4.4	4.4	N/A	5.28	4.41	5.28	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.21	1.21	N/A	1.46	1.22	1.46	Result*CF
			Cadmium	1 / 1	0.831	0.831	N/A	0.997	0.833	0.997	Result*CF
			Chromium	1 / 1	17.1	17.1	N/A	20.5	17.1	20.5	Result*CF
			Cobalt	1 / 1	5.52	5.52	N/A	6.62	5.53	6.62	Result*CF
			Iron	1 / 1	13700	13700	N/A	16400	13700	16400	Result*CF
			Lead	1 / 1	32.8	32.8	N/A	32.8	32.8	32.8	Mean
			RBA Adjusted Lead	1 / 1	34.9	34.9	N/A	34.9	34.9	34.9	Mean
			Manganese	1 / 1	240	240	N/A	288	240	288	Result*CF
			Nickel	1 / 1	14.1	14.1	N/A	16.9	14.1	16.9	Result*CF
			Thallium	1 / 1	0.137	0.137	N/A	0.164	0.137	0.164	Result*CF
			Vanadium	1 / 1	25.6	25.6	N/A	30.7	25.7	30.7	Result*CF
280yard	86	House	Aluminum	3 / 3	13500	13000	462	13700	11500	13700	95% t-statistic UCL
			Antimony	3 / 3	3.32	3.2	0.108	3.38	2.82	3.38	95% t-statistic UCL
			Arsenic	3 / 3	16.4	15.9	0.404	16.6	13.9	16.6	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	4.46	4.33	0.11	4.51	3.77	4.51	95% t-statistic UCL
			Cadmium	3 / 3	6.57	6.39	0.157	6.66	5.56	6.66	95% t-statistic UCL
			Chromium	3 / 3	30	29.4	0.85	30.8	25.7	30.8	95% t-statistic UCL
			Cobalt	3 / 3	9.2	9.13	0.0964	9.29	7.76	9.29	95% t-statistic UCL
			Iron	3 / 3	19900	19400	404	20100	16800	20100	95% t-statistic UCL
			Lead	3 / 3	312	303	7.81	303	303	303	Mean
			RBA Adjusted Lead	3 / 3	312	303	7.81	303	303	303	Mean
			Manganese	3 / 3	1040	1040	5.77	1050	874	1050	95% t-statistic UCL
			Nickel	3 / 3	20.8	20.7	0.0577	20.8	17.4	20.8	95% t-statistic UCL
			Thallium	3 / 3	0.278	0.273	0.00416	0.28	0.234	0.28	95% t-statistic UCL
			Vanadium	3 / 3	33.6	32.7	1.53	35.2	29.4	35.2	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
284M	157	House	Aluminum	3 / 3	14400	14200	200	14500	12100	14500	95% t-statistic UCL
			Antimony	3 / 3	1.54	1.47	0.0702	1.59	1.32	1.59	95% t-statistic UCL
			Arsenic	3 / 3	9.53	9.37	0.165	9.64	8.05	9.64	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.36	2.32	0.0409	2.39	2	2.39	95% t-statistic UCL
			Cadmium	3 / 3	2.87	2.8	0.0611	2.91	2.43	2.91	95% t-statistic UCL
			Chromium	3 / 3	26.2	25.7	0.503	26.6	22.2	26.6	95% t-statistic UCL
			Cobalt	3 / 3	7.6	7.44	0.183	7.75	6.47	7.75	95% t-statistic UCL
			Iron	3 / 3	17700	17400	265	17800	14900	17800	95% t-statistic UCL
			Lead	3 / 3	145	140	9.24	140	140	140	Mean
			RBA Adjusted Lead	3 / 3	159	153	10.1	153	153	153	Mean
			Manganese	3 / 3	502	497	7.81	510	426	510	95% t-statistic UCL
			Nickel	3 / 3	17.5	17.3	0.2	17.6	14.7	17.6	95% t-statistic UCL
			Thallium	3 / 3	0.217	0.212	0.00624	0.223	0.186	0.223	95% t-statistic UCL
			Vanadium	3 / 3	34.4	33.6	0.854	35	29.3	35	95% t-statistic UCL
285M	158	Other -Not Specified	Aluminum	3 / 3	14200	13900	300	14400	12000	14400	95% t-statistic UCL
			Antimony	3 / 3	1.83	1.75	0.0802	1.89	1.58	1.89	95% t-statistic UCL
			Arsenic	3 / 3	12.1	11.9	0.208	12.3	10.3	12.3	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.31	3.26	0.0569	3.36	2.8	3.36	95% t-statistic UCL
			Cadmium	3 / 3	3.65	3.48	0.155	3.74	3.12	3.74	95% t-statistic UCL
			Chromium	3 / 3	26.5	25.8	0.586	26.8	22.4	26.8	95% t-statistic UCL
			Cobalt	3 / 3	8.44	8.24	0.17	8.53	7.12	8.53	95% t-statistic UCL
			Iron	3 / 3	17700	17300	351	17900	15000	17900	95% t-statistic UCL
			Lead	3 / 3	150	143	7.02	143	143	143	Mean
			RBA Adjusted Lead	3 / 3	166	158	7.76	158	158	158	Mean
			Manganese	3 / 3	608	604	5.29	613	512	613	95% t-statistic UCL
			Nickel	3 / 3	18.2	18	0.153	18.3	15.3	18.3	95% t-statistic UCL
			Thallium	3 / 3	0.249	0.236	0.0176	0.266	0.222	0.266	95% t-statistic UCL
			Vanadium	3 / 3	35	33.7	1.1	35.6	29.7	35.6	95% t-statistic UCL
288G1	161	Garden	Aluminum	1 / 1	8290	8290	N/A	9950	8310	9950	Result*CF
			Antimony	1 / 1	0.841	0.841	N/A	1.01	0.843	1.01	Result*CF
			Arsenic	1 / 1	6.64	6.64	N/A	7.97	6.65	7.97	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.83	1.83	N/A	2.2	1.83	2.2	Result*CF
			Cadmium	1 / 1	1.61	1.61	N/A	1.93	1.61	1.93	Result*CF
			Chromium	1 / 1	20.4	20.4	N/A	24.5	20.4	24.5	Result*CF
			Cobalt	1 / 1	6.07	6.07	N/A	7.28	6.08	7.28	Result*CF
			Iron	1 / 1	15000	15000	N/A	18000	15000	18000	Result*CF
			Lead	1 / 1	74.8	74.8	N/A	74.8	74.8	74.8	Mean
			RBA Adjusted Lead	1 / 1	79.7	79.7	N/A	79.7	79.7	79.7	Mean
			Manganese	1 / 1	305	305	N/A	366	306	366	Result*CF
			Nickel	1 / 1	17	17	N/A	20.4	17	20.4	Result*CF
			Thallium	1 / 1	0.192	0.192	N/A	0.23	0.192	0.23	Result*CF
			Vanadium	1 / 1	27.2	27.2	N/A	32.6	27.3	32.6	Result*CF

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
288G2	162	Garden	Aluminum	1 / 1	8660	8660	N/A	10400	8680	10400	Result*CF
			Antimony	1 / 1	0.737	0.737	N/A	0.884	0.738	0.884	Result*CF
			Arsenic	1 / 1	4.9	4.9	N/A	5.88	4.91	5.88	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.35	1.35	N/A	1.62	1.35	1.62	Result*CF
			Cadmium	1 / 1	1.14	1.14	N/A	1.37	1.14	1.37	Result*CF
			Chromium	1 / 1	20.5	20.5	N/A	24.6	20.5	24.6	Result*CF
			Cobalt	1 / 1	6.19	6.19	N/A	7.43	6.2	7.43	Result*CF
			Iron	1 / 1	15400	15400	N/A	18500	15400	18500	Result*CF
			Lead	1 / 1	56.2	56.2	N/A	56.2	56.2	56.2	Mean
			RBA Adjusted Lead	1 / 1	59.8	59.8	N/A	59.8	59.8	59.8	Mean
			Manganese	1 / 1	299	299	N/A	359	300	359	Result*CF
			Nickel	1 / 1	19.3	19.3	N/A	23.2	19.3	23.2	Result*CF
			Thallium	1 / 1	0.208	0.208	N/A	0.25	0.208	0.25	Result*CF
			Vanadium	1 / 1	27.5	27.5	N/A	33	27.6	33	Result*CF
289G3	163	Garden	Aluminum	3 / 3	8300	8190	110	8370	6990	8370	95% t-statistic UCL
			Antimony	3 / 3	0.86	0.802	0.0505	0.887	0.741	0.887	95% t-statistic UCL
			Arsenic	3 / 3	6.26	6.09	0.193	6.42	5.36	6.42	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	1.73	1.68	0.0532	1.77	1.48	1.77	95% t-statistic UCL
			Cadmium	3 / 3	1.79	1.68	0.103	1.85	1.54	1.85	95% t-statistic UCL
			Chromium	3 / 3	20.4	20.2	0.252	20.6	17.2	20.6	95% t-statistic UCL
			Cobalt	3 / 3	6.26	6.12	0.145	6.36	5.31	6.36	95% t-statistic UCL
			Iron	3 / 3	15200	15000	208	15400	12800	15400	95% t-statistic UCL
			Lead	3 / 3	75.3	71.6	3.56	71.6	71.6	71.6	Mean
			RBA Adjusted Lead	3 / 3	80.2	76.3	3.79	76.3	76.3	76.3	Mean
			Manganese	3 / 3	347	336	10.6	354	295	354	95% t-statistic UCL
			Nickel	3 / 3	16.7	16.3	0.4	17	14.2	17	95% t-statistic UCL
			Thallium	3 / 3	0.186	0.18	0.00551	0.19	0.158	0.19	95% t-statistic UCL
			Vanadium	3 / 3	28.1	27.5	0.493	28.4	23.7	28.4	95% t-statistic UCL
317M	112	Play Area	Aluminum	3 / 3	11100	10900	208	11300	9420	11300	95% t-statistic UCL
			Antimony	3 / 3	4.67	3.89	0.694	5.06	4.22	5.06	95% t-statistic UCL
			Arsenic	3 / 3	40.9	36.1	4.19	43.1	36	43.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	11.3	9.94	1.15	11.9	9.93	11.9	95% t-statistic UCL
			Cadmium	3 / 3	12.6	9.92	2.32	13.8	11.6	13.8	95% t-statistic UCL
			Chromium	3 / 3	33.6	33.3	0.306	33.8	28.2	33.8	95% t-statistic UCL
			Cobalt	3 / 3	10.1	10	0.162	10.3	8.58	10.3	95% t-statistic UCL
			Iron	3 / 3	21300	20900	473	21700	18100	21700	95% t-statistic UCL
			Lead	3 / 3	605	465	122	465	465	465	Mean
			RBA Adjusted Lead	3 / 3	644	495	130	495	495	495	Mean
			Manganese	3 / 3	676	636	38.2	700	585	700	95% t-statistic UCL
			Nickel	3 / 3	22.5	22.3	0.2	22.6	18.9	22.6	95% t-statistic UCL
			Thallium	3 / 3	0.538	0.454	0.0729	0.577	0.482	0.577	95% t-statistic UCL
			Vanadium	3 / 3	48	46.9	1.27	49	40.9	49	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
319M[d]	116[d]	House	Aluminum	--	14000	--	--	--	11700	14000	Maximum Backfill
			Antimony	--	0.75	--	--	--	0.626	0.75	Maximum Backfill
			Arsenic	--	6.6	--	--	--	5.51	6.6	Maximum Backfill
			RBA Adjusted Arsenic	--	1.82	--	--	--	1.52	1.82	Maximum Backfill
			Cadmium	--	0.71	--	--	--	0.593	0.71	Maximum Backfill
			Chromium	--	12	--	--	--	10	12	Maximum Backfill
			Cobalt	--	11	--	--	--	9.19	11	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	12	--	--	--	12	12	Maximum Backfill
			RBA Adjusted Lead	--	12.8	--	--	--	12.8	12.8	Maximum Backfill
			Manganese	--	770	--	--	--	643	770	Maximum Backfill
			Nickel	--	25	--	--	--	20.9	25	Maximum Backfill
			Thallium	--	0.105	--	--	--	0.0877	0.105	Maximum Backfill
			Vanadium	--	19	--	--	--	15.9	19	Maximum Backfill
320new	210	Other -Not Specified	Aluminum	3 / 3	10400	10100	289	10600	8810	10600	95% t-statistic UCL
			Antimony	3 / 3	4.53	4.1	0.452	4.87	4.06	4.87	95% t-statistic UCL
			Arsenic	3 / 3	26.5	25.9	0.666	27.1	22.6	27.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	7.56	7.4	0.19	7.72	6.44	7.72	95% t-statistic UCL
			Cadmium	3 / 3	8.1	7.66	0.421	8.37	6.99	8.37	95% t-statistic UCL
			Chromium	3 / 3	34.5	33.3	1.31	35.5	29.7	35.5	95% t-statistic UCL
			Cobalt	3 / 3	9.88	9.61	0.367	10.2	8.54	10.2	95% t-statistic UCL
			Iron	3 / 3	20900	20600	520	21500	17900	21500	95% t-statistic UCL
			Lead	3 / 3	512	456	54.1	456	456	456	Mean
			RBA Adjusted Lead	3 / 3	623	556	65.8	556	556	556	Mean
			Manganese	3 / 3	678	674	3.51	680	568	680	95% t-statistic UCL
			Nickel	3 / 3	22.7	22	1.07	23.8	19.9	23.8	95% t-statistic UCL
			Thallium	3 / 3	0.418	0.399	0.0218	0.435	0.364	0.435	95% t-statistic UCL
			Vanadium	3 / 3	44.8	43.8	1.25	45.9	38.3	45.9	95% t-statistic UCL
35PA[d]	18[d]	Play Area	Aluminum	--	14000	--	--	--	11700	14000	Maximum Backfill
			Antimony	--	0.75	--	--	--	0.626	0.75	Maximum Backfill
			Arsenic	--	6.6	--	--	--	5.51	6.6	Maximum Backfill
			RBA Adjusted Arsenic	--	1.82	--	--	--	1.52	1.82	Maximum Backfill
			Cadmium	--	0.71	--	--	--	0.593	0.71	Maximum Backfill
			Chromium	--	12	--	--	--	10	12	Maximum Backfill
			Cobalt	--	11	--	--	--	9.19	11	Maximum Backfill
			Iron	--	17000	--	--	--	14200	17000	Maximum Backfill
			Lead	--	12	--	--	--	12	12	Maximum Backfill
			RBA Adjusted Lead	--	12.8	--	--	--	12.8	12.8	Maximum Backfill
			Manganese	--	770	--	--	--	643	770	Maximum Backfill
			Nickel	--	25	--	--	--	20.9	25	Maximum Backfill
			Thallium	--	0.105	--	--	--	0.0877	0.105	Maximum Backfill
			Vanadium	--	19	--	--	--	15.9	19	Maximum Backfill

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
59A	14	House	Aluminum	3 / 3	13400	12700	666	13800	11500	13800	95% t-statistic UCL
			Antimony	3 / 3	4.23	3.9	0.51	4.76	3.97	4.76	95% t-statistic UCL
			Arsenic	3 / 3	18.1	16.9	1.99	20.3	16.9	20.3	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	7.06	6.6	0.778	7.91	6.6	7.91	95% t-statistic UCL
			Cadmium	3 / 3	7.56	6.85	0.83	8.25	6.89	8.25	95% t-statistic UCL
			Chromium	3 / 3	18.5	16.6	1.7	19.4	16.2	19.4	95% t-statistic UCL
			Cobalt	3 / 3	4.79	4.58	0.198	4.91	4.1	4.91	95% t-statistic UCL
			Iron	3 / 3	12500	12100	379	12700	10600	12700	95% t-statistic UCL
			Lead	3 / 3	309	278	31	278	278	278	Mean
			RBA Adjusted Lead	3 / 3	373	335	37.4	335	335	335	Mean
			Manganese	3 / 3	543	527	16	554	463	554	95% t-statistic UCL
			Nickel	3 / 3	12.3	11.6	0.819	13	10.8	13	95% t-statistic UCL
			Thallium	3 / 3	0.326	0.319	0.00666	0.33	0.275	0.33	95% t-statistic UCL
			Vanadium	3 / 3	23.6	22.9	1.04	24.7	20.6	24.7	95% t-statistic UCL
62G	70	Garden	Aluminum	3 / 3	17900	17000	757	18300	15300	18300	95% t-statistic UCL
			Antimony	3 / 3	0.828	0.81	0.0185	0.841	0.702	0.841	95% t-statistic UCL
			Arsenic	3 / 3	10.7	9.97	0.672	11.1	9.27	11.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.95	2.75	0.185	3.06	2.55	3.06	95% t-statistic UCL
			Cadmium	3 / 3	1.7	1.48	0.248	1.89	1.58	1.89	95% t-statistic UCL
			Chromium	3 / 3	27	26.8	0.208	27.1	22.6	27.1	95% t-statistic UCL
			Cobalt	3 / 3	8.53	8.22	0.274	8.68	7.25	8.68	95% t-statistic UCL
			Iron	3 / 3	21300	20900	379	21500	18000	21500	95% t-statistic UCL
			Lead	3 / 3	78.9	66.3	12.1	66.3	66.3	66.3	Mean
			RBA Adjusted Lead	3 / 3	84	70.6	12.8	70.6	70.6	70.6	Mean
			Manganese	3 / 3	607	576	38.6	641	536	641	95% t-statistic UCL
			Nickel	3 / 3	19.1	18.7	0.458	19.5	16.3	19.5	95% t-statistic UCL
			Thallium	3 / 3	0.169	0.161	0.0112	0.179	0.15	0.179	95% t-statistic UCL
			Vanadium	3 / 3	38	37	0.954	38.6	32.2	38.6	95% t-statistic UCL
72M	234	Agriculture	Aluminum	3 / 3	17200	16700	624	17800	14800	17800	95% t-statistic UCL
			Antimony	3 / 3	3.15	2.9	0.228	3.29	2.75	3.29	95% t-statistic UCL
			Arsenic	3 / 3	17.7	16.8	0.777	18.1	15.1	18.1	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	5.83	5.55	0.256	5.98	4.99	5.98	95% t-statistic UCL
			Cadmium	3 / 3	5.47	5.34	0.208	5.69	4.75	5.69	95% t-statistic UCL
			Chromium	3 / 3	24.5	23.7	1.06	25.5	21.3	25.5	95% t-statistic UCL
			Cobalt	3 / 3	8.35	7.9	0.461	8.68	7.25	8.68	95% t-statistic UCL
			Iron	3 / 3	19700	18900	751	20200	16900	20200	95% t-statistic UCL
			Lead	3 / 3	256	239	19.3	239	239	239	Mean
			RBA Adjusted Lead	3 / 3	272	254	20.5	254	254	254	Mean
			Manganese	3 / 3	586	575	11	594	496	594	95% t-statistic UCL
			Nickel	3 / 3	26.4	25.4	1.12	27.3	22.8	27.3	95% t-statistic UCL
			Thallium	3 / 3	0.263	0.254	0.0145	0.278	0.232	0.278	95% t-statistic UCL
			Vanadium	3 / 3	29.8	28.6	1.44	31	25.9	31	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
72U	235	Other -Not Specified	Aluminum	1 / 1	16400	16400	N/A	19700	16400	19700	Result*CF
			Antimony	1 / 1	1.38	1.38	N/A	1.66	1.38	1.66	Result*CF
			Arsenic	1 / 1	13	13	N/A	15.6	13	15.6	Result*CF
			RBA Adjusted Arsenic	1 / 1	3.58	3.58	N/A	4.3	3.59	4.3	Result*CF
			Cadmium	1 / 1	2.35	2.35	N/A	2.82	2.35	2.82	Result*CF
			Chromium	1 / 1	33.1	33.1	N/A	39.7	33.2	39.7	Result*CF
			Cobalt	1 / 1	10.2	10.2	N/A	12.2	10.2	12.2	Result*CF
			Iron	1 / 1	22500	22500	N/A	27000	22500	27000	Result*CF
			Lead	1 / 1	103	103	N/A	103	103	103	Mean
			RBA Adjusted Lead	1 / 1	110	110	N/A	110	110	110	Mean
			Manganese	1 / 1	598	598	N/A	718	599	718	Result*CF
			Nickel	1 / 1	31	31	N/A	37.2	31.1	37.2	Result*CF
			Thallium	1 / 1	0.224	0.224	N/A	0.269	0.224	0.269	Result*CF
			Vanadium	1 / 1	36.7	36.7	N/A	44	36.8	44	Result*CF
94M	97	Agriculture	Aluminum	1 / 1	11300	11300	N/A	13600	11300	13600	Result*CF
			Antimony	1 / 1	0.864	0.864	N/A	1.04	0.866	1.04	Result*CF
			Arsenic	1 / 1	7.91	7.91	N/A	9.49	7.93	9.49	Result*CF
			RBA Adjusted Arsenic	1 / 1	2.18	2.18	N/A	2.62	2.18	2.62	Result*CF
			Cadmium	1 / 1	1.55	1.55	N/A	1.86	1.55	1.86	Result*CF
			Chromium	1 / 1	26	26	N/A	31.2	26.1	31.2	Result*CF
			Cobalt	1 / 1	7.79	7.79	N/A	9.35	7.81	9.35	Result*CF
			Iron	1 / 1	18400	18400	N/A	22100	18400	22100	Result*CF
			Lead	1 / 1	69.4	69.4	N/A	69.4	69.4	69.4	Mean
			RBA Adjusted Lead	1 / 1	73.9	73.9	N/A	73.9	73.9	73.9	Mean
			Manganese	1 / 1	380	380	N/A	456	381	456	Result*CF
			Nickel	1 / 1	18.4	18.4	N/A	22.1	18.4	22.1	Result*CF
			Thallium	1 / 1	0.213	0.213	N/A	0.256	0.213	0.256	Result*CF
			Vanadium	1 / 1	34.3	34.3	N/A	41.2	34.4	41.2	Result*CF
999G1	167	Garden	Aluminum	3 / 3	18300	17700	603	18700	15600	18700	95% t-statistic UCL
			Antimony	3 / 3	1.19	1.13	0.0551	1.22	1.02	1.22	95% t-statistic UCL
			Arsenic	3 / 3	11.8	11.5	0.306	12	10	12	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.25	3.16	0.0842	3.3	2.76	3.3	95% t-statistic UCL
			Cadmium	3 / 3	2.26	2.23	0.0436	2.3	1.92	2.3	95% t-statistic UCL
			Chromium	3 / 3	24.5	24.2	0.306	24.7	20.7	24.7	95% t-statistic UCL
			Cobalt	3 / 3	8.46	8.41	0.0624	8.52	7.11	8.52	95% t-statistic UCL
			Iron	3 / 3	18600	18400	265	18800	15700	18800	95% t-statistic UCL
			Lead	3 / 3	82.9	80.7	2.04	80.7	80.7	80.7	Mean
			RBA Adjusted Lead	3 / 3	88.3	85.9	2.17	85.9	85.9	85.9	Mean
			Manganese	3 / 3	668	663	5.51	672	561	672	95% t-statistic UCL
			Nickel	3 / 3	26.2	25	1.07	26.8	22.4	26.8	95% t-statistic UCL
			Thallium	3 / 3	0.201	0.198	0.00231	0.202	0.169	0.202	95% t-statistic UCL
			Vanadium	3 / 3	33.5	33.1	0.404	33.7	28.2	33.7	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]
999M1	168	House	Aluminum	3 / 3	15700	15400	416	16100	13400	16100	95% t-statistic UCL
			Antimony	3 / 3	0.96	0.88	0.0693	0.997	0.832	0.997	95% t-statistic UCL
			Arsenic	3 / 3	9.16	8.73	0.395	9.4	7.85	9.4	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	2.52	2.41	0.109	2.59	2.16	2.59	95% t-statistic UCL
			Cadmium	3 / 3	2	1.83	0.17	2.12	1.77	2.12	95% t-statistic UCL
			Chromium	3 / 3	33.5	31.7	1.63	34.5	28.8	34.5	95% t-statistic UCL
			Cobalt	3 / 3	11.6	11.2	0.321	11.8	9.83	11.8	95% t-statistic UCL
			Iron	3 / 3	23000	22400	529	23300	19400	23300	95% t-statistic UCL
			Lead	3 / 3	82.5	75	6.55	75	75	75	Mean
			RBA Adjusted Lead	3 / 3	87.9	79.9	6.98	79.9	79.9	79.9	Mean
			Manganese	3 / 3	715	698	15	723	604	723	95% t-statistic UCL
			Nickel	3 / 3	25.7	24.7	0.85	26.2	21.8	26.2	95% t-statistic UCL
			Thallium	3 / 3	0.18	0.173	0.00651	0.184	0.154	0.184	95% t-statistic UCL
			Vanadium	3 / 3	38.7	36.9	1.61	39.6	33.1	39.6	95% t-statistic UCL
999M2	169	Garden	Aluminum	1 / 1	14100	14100	N/A	16900	14100	16900	Result*CF
			Antimony	1 / 1	0.564	0.564	N/A	0.677	0.565	0.677	Result*CF
			Arsenic	1 / 1	6.52	6.52	N/A	7.82	6.53	7.82	Result*CF
			RBA Adjusted Arsenic	1 / 1	1.8	1.8	N/A	2.16	1.8	2.16	Result*CF
			Cadmium	1 / 1	0.989	0.989	N/A	1.19	0.991	1.19	Result*CF
			Chromium	1 / 1	33	33	N/A	39.6	33.1	39.6	Result*CF
			Cobalt	1 / 1	11	11	N/A	13.2	11	13.2	Result*CF
			Iron	1 / 1	22200	22200	N/A	26600	22200	26600	Result*CF
			Lead	1 / 1	52.7	52.7	N/A	52.7	52.7	52.7	Mean
			RBA Adjusted Lead	1 / 1	56.1	56.1	N/A	56.1	56.1	56.1	Mean
			Manganese	1 / 1	565	565	N/A	678	566	678	Result*CF
			Nickel	1 / 1	27.1	27.1	N/A	32.5	27.2	32.5	Result*CF
			Thallium	1 / 1	0.15	0.15	N/A	0.18	0.15	0.18	Result*CF
			Vanadium	1 / 1	39.4	39.4	N/A	47.3	39.5	47.3	Result*CF
999M3	170	Other -Not Specified	Aluminum	3 / 3	31100	20800	8900	35800	29900	35800	95% t-statistic UCL
			Antimony	3 / 3	1.99	1.37	0.537	2.28	1.9	2.28	95% t-statistic UCL
			Arsenic	3 / 3	20.2	13.7	5.61	23.2	19.4	23.2	95% t-statistic UCL
			RBA Adjusted Arsenic	3 / 3	3.33	2.26	0.925	3.82	3.19	3.82	95% t-statistic UCL
			Cadmium	3 / 3	4.34	2.89	1.26	5.01	4.18	5.01	95% t-statistic UCL
			Chromium	3 / 3	46.9	33	12.1	53.4	44.6	53.4	95% t-statistic UCL
			Cobalt	3 / 3	16.3	11.1	4.52	18.7	15.6	18.7	95% t-statistic UCL
			Iron	3 / 3	34400	24000	9050	39200	32700	39200	95% t-statistic UCL
			Lead	3 / 3	156	106	43.7	106	106	106	Mean
			RBA Adjusted Lead	3 / 3	124	83.8	34.7	83.8	83.8	83.8	Mean
			Manganese	3 / 3	1120	774	300	1280	1070	1280	95% t-statistic UCL
			Nickel	3 / 3	42.5	29.2	11.5	48.7	40.7	48.7	95% t-statistic UCL
			Thallium	3 / 3	0.383	0.261	0.106	0.439	0.367	0.439	95% t-statistic UCL
			Vanadium	3 / 3	61.3	42.6	16.2	69.9	58.4	69.9	95% t-statistic UCL

Table 3-26. Residential Surface Soil/Dust[e] EPCs

DU	SRC_DU_ID	DU Type	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
									Ingestion[e] (mg/kg)	Dermal (mg/kg)	Rationale [c]

N/A = Not Available UCL = Upper confidence limit; UCL-P = Parametric UCL

[a]Field replicates treated as individual samples.

[b]T-statistic 95UCL = mean concentration across replicates + (2.92 * standard deviation / √(3)).

[c]EPCs from a single incremental composite (IC) sample when ≥3 ICS samples were not available for estimating the 95UCL were estimated by applying a site-specific confidence factor (CF; 1.2) to the soil concentration measured in the single ICS composite sample (See Appendix 12).

[d]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the outdoor soil EPC.

[e]With the exception of Lead and RBA Adjusted Lead, an adjustment factor of 0.7 was applied to the soil concentration to generate an indoor dust concentration (where indoor dust EPC = outdoor soil EPC *0.7). A combined Soil/Dust EPC was generated for use in Ingestion pathway risk calculations [combined soil/dust EPC = (outdoor soil EPC * 0.45) + ((outdoor soil EPC * 0.7) * 0.55)]. The lead EPC was adjusted for dust within the IEUBK model. 95UCL were estimated by applying a site-specific confidence factor (CF; 1.2) to the soil concentration measured in the single ICS composite sample (See Appendix 12).

Table 3-27. Residential Soil Associated with Residential Beach DU EPCs

Beach DU	Paired Residential Soil DU ID(s)[a]	COPC	Residential Soil/Dust Ingestion EPC[b]	Residential Soil Dermal EPC[c]
173	DU172U (Not a house DU, but on the same property of Beach DU 173. No other house DUs nearby.)	Aluminum	3000	3590
		Antimony	2.46	2.94
		Arsenic	17.3	20.8
		RBA Adjusted Arsenic	2.79	3.35
		Cadmium	8.92	10.7
		Chromium	11.9	14.3
		Cobalt	3.89	4.65
		Iron	30000	35900
		Lead	423	506
		RBA Adjusted Lead	246	294
		Manganese	295	353
		Nickel	14.8	17.8
		Thallium	0.269	0.322
		Vanadium	30.1	36
195	House DU1021, DU193, DU194	Aluminum	12300	14700
		Antimony	1.26	1.51
		Arsenic	7.51	8.99
		RBA Adjusted Arsenic	2.07	2.48
		Cadmium	1.27	1.52
		Chromium	12.6	15.1
		Cobalt	7.88	9.44
		Iron	14500	17400
		Lead	43.3	51.9
		RBA Adjusted Lead	46.1	55.3
		Manganese	539	645
		Nickel	18.1	21.7
		Thallium	0.148	0.177
		Vanadium	20.5	24.5
197	House DU196, DU109-H1, DU203-H1	Aluminum	9300	11100
		Antimony	0.398	0.477
		Arsenic	3.67	4.4
		RBA Adjusted Arsenic	1.01	1.21
		Cadmium	0.348	0.417
		Chromium	20.6	24.7
		Cobalt	6.29	7.53
		Iron	14200	17000
		Lead	13.9	16.7
		RBA Adjusted Lead	14.8	17.7
		Manganese	387	463
		Nickel	18.6	22.3
		Thallium	0.0598	0.0717
		Vanadium	20.3	24.3

Table 3-27. Residential Soil Associated with Residential Beach DU EPCs

Beach DU	Paired Residential Soil DU ID(s)[a]	COPC	Residential Soil/Dust Ingestion EPC[b]	Residential Soil Dermal EPC[c]
202	House DU201, DU180-H1, DU180-H2	Aluminum	9730	11700
		Antimony	2.97	3.55
		Arsenic	13.1	15.6
		RBA Adjusted Arsenic	4.03	4.82
		Cadmium	3.18	3.81
		Chromium	21.3	25.5
		Cobalt	5.26	6.3
		Iron	15400	18400
		Lead	225	269
		RBA Adjusted Lead	247	296
		Manganese	324	389
		Nickel	14.8	17.7
		Thallium	0.295	0.353
		Vanadium	26.6	31.9
204	House DU203.	Aluminum	11700	14000
		Antimony	0.626	0.75
		Arsenic	5.51	6.6
		RBA Adjusted Arsenic	1.52	1.82
		Cadmium	0.593	0.71
		Chromium	10	12
		Cobalt	9.19	11
		Iron	14200	17000
		Lead	10	12
		RBA Adjusted Lead	10.7	12.8
		Manganese	643	770
		Nickel	20.9	25
		Thallium	0.0877	0.105
		Vanadium	15.9	19
224	No other DUs on property. Average concentration for the study area used.	Aluminum	12700	15200
		Antimony	1.83	2.19
		Arsenic	10.9	13.1
		RBA Adjusted Arsenic	2.38	2.85
		Cadmium	3.02	3.61
		Chromium	19.2	23
		Cobalt	6.32	7.57
		Iron	16400	19600
		Lead	112	135
		RBA Adjusted Lead	108	129
		Manganese	468	561
		Nickel	17.4	20.8
		Thallium	0.211	0.252
		Vanadium	27.3	32.7

Table 3-27. Residential Soil Associated with Residential Beach DU EPCs

Beach DU	Paired Residential Soil DU ID(s)[a]	COPC	Residential Soil/Dust Ingestion EPC[b]	Residential Soil Dermal EPC[c]
226	House DU226-C and DU40	Aluminum	8880	10600
		Antimony	2.63	3.15
		Arsenic	9.98	12
		RBA Adjusted Arsenic	3.15	3.77
		Cadmium	2.29	2.74
		Chromium	14.8	17.7
		Cobalt	6.67	7.99
		Iron	12500	15000
		Lead	137	165
		RBA Adjusted Lead	170	204
		Manganese	507	607
		Nickel	15.6	18.7
		Thallium	0.271	0.325
		Vanadium	18	21.5
255	No other DUs on property. Average concentration for the study area used.	Aluminum	12700	15200
		Antimony	1.83	2.19
		Arsenic	10.9	13.1
		RBA Adjusted Arsenic	2.38	2.85
		Cadmium	3.02	3.61
		Chromium	19.2	23
		Cobalt	6.32	7.57
		Iron	16400	19600
		Lead	112	135
		RBA Adjusted Lead	108	129
		Manganese	468	561
		Nickel	17.4	20.8
		Thallium	0.211	0.252
		Vanadium	27.3	32.7
303	House DU288 (on the adjacent tax parcel and has the same owner as beach DU 303).	Aluminum	6740	8070
		Antimony	0.619	0.742
		Arsenic	5.15	6.16
		RBA Adjusted Arsenic	1.42	1.7
		Cadmium	1.61	1.93
		Chromium	18.2	21.8
		Cobalt	5.37	6.43
		Iron	12600	15100
		Lead	53.4	64
		RBA Adjusted Lead	56.9	68.2
		Manganese	279	334
		Nickel	14.8	17.8
		Thallium	0.151	0.181
		Vanadium	23.1	27.7

Table 3-27. Residential Soil Associated with Residential Beach DU EPCs

Beach DU	Paired Residential Soil DU ID(s)[a]	COPC	Residential Soil/Dust Ingestion EPC[b]	Residential Soil Dermal EPC[c]
324	DU326 and DU327 (Not house DUs, but on the same property of Beach DU 324. No house DUs within 1/2 mile.)	Aluminum	5960	7140
		Antimony	0.582	0.697
		Arsenic	4.88	5.84
		RBA Adjusted Arsenic	1.34	1.61
		Cadmium	1.14	1.36
		Chromium	16	19.1
		Cobalt	4.66	5.59
		Iron	12400	14900
		Lead	47.6	57.1
		RBA Adjusted Lead	50.7	60.8
		Manganese	210	251
		Nickel	12.5	14.9
		Thallium	0.156	0.187
		Vanadium	26.8	32.1
1000	House DU70.	Aluminum	12600	15000
		Antimony	2.57	3.07
		Arsenic	12.9	15.5
		RBA Adjusted Arsenic	3.94	4.71
		Cadmium	4.23	5.07
		Chromium	23.9	28.6
		Cobalt	7.5	8.98
		Iron	17100	20500
		Lead	139	166
		RBA Adjusted Lead	169	203
		Manganese	473	567
		Nickel	23	27.5
		Thallium	0.224	0.268
		Vanadium	27.1	32.4
075-B1	House DU075-H1.	Aluminum	18400	22000
		Antimony	1.62	1.94
		Arsenic	11.8	14.1
		RBA Adjusted Arsenic	1.55	1.86
		Cadmium	3.25	3.89
		Chromium	16.8	20.2
		Cobalt	5.58	6.69
		Iron	14100	16900
		Lead	93.3	112
		RBA Adjusted Lead	68.3	81.7
		Manganese	443	531
		Nickel	13.5	16.2
		Thallium	0.253	0.303
		Vanadium	24.9	29.8

Table 3-27. Residential Soil Associated with Residential Beach DU EPCs

Beach DU	Paired Residential Soil DU ID(s)[a]	COPC	Residential Soil/Dust Ingestion EPC[b]	Residential Soil Dermal EPC[c]
098-B1	DU098-H1 (Closest house on the property; other house DU >3 miles away.)	Aluminum	9390	11200
		Antimony	0.56	0.671
		Arsenic	3.3	3.95
		RBA Adjusted Arsenic	0.54	0.646
		Cadmium	0.806	0.965
		Chromium	18.5	22.2
		Cobalt	4.68	5.6
		Iron	15500	18600
		Lead	34.2	40.9
		RBA Adjusted Lead	28.7	34.4
		Manganese	258	308
		Nickel	12.1	14.5
		Thallium	0.145	0.174
		Vanadium	22.5	27
124-B1	House DU124-H1.	Aluminum	17200	20600
		Antimony	0.763	0.913
		Arsenic	11.7	14
		RBA Adjusted Arsenic	1.92	2.3
		Cadmium	1.78	2.14
		Chromium	45.4	54.4
		Cobalt	12.1	14.5
		Iron	28100	33600
		Lead	34.8	41.7
		RBA Adjusted Lead	29.3	35.1
		Manganese	584	700
		Nickel	36.3	43.4
		Thallium	0.215	0.258
		Vanadium	54.8	65.6
131-B1	House DU124-H1.	Aluminum	9370	11200
		Antimony	1.05	1.26
		Arsenic	10.5	12.6
		RBA Adjusted Arsenic	1.72	2.06
		Cadmium	3.35	4.01
		Chromium	18.3	22
		Cobalt	5.76	6.9
		Iron	17700	21200
		Lead	134	161
		RBA Adjusted Lead	113	135
		Manganese	338	404
		Nickel	14.8	17.8
		Thallium	0.229	0.275
		Vanadium	26.1	31.2

Table 3-27. Residential Soil Associated with Residential Beach DU EPCs

Beach DU	Paired Residential Soil DU ID(s)[a]	COPC	Residential Soil/Dust Ingestion EPC[b]	Residential Soil Dermal EPC[c]
157-B1	House DU157-H1 and DU157-H2.	Aluminum	7300	8740
		Antimony	1.14	1.36
		Arsenic	7.91	9.47
		RBA Adjusted Arsenic	1.29	1.55
		Cadmium	2.25	2.7
		Chromium	18	21.5
		Cobalt	5.62	6.73
		Iron	14500	17300
		Lead	77.2	92.5
		RBA Adjusted Lead	65	77.8
		Manganese	297	356
		Nickel	14.5	17.3
		Thallium	0.205	0.246
		Vanadium	27.8	33.3
157-B2	House DU157-H1 and DU157-H2.	Aluminum	7300	8740
		Antimony	1.14	1.36
		Arsenic	7.91	9.47
		RBA Adjusted Arsenic	1.29	1.55
		Cadmium	2.25	2.7
		Chromium	18	21.5
		Cobalt	5.62	6.73
		Iron	14500	17300
		Lead	77.2	92.5
		RBA Adjusted Lead	65	77.8
		Manganese	297	356
		Nickel	14.5	17.3
		Thallium	0.205	0.246
		Vanadium	27.8	33.3
171-B1	House DU171-H1	Aluminum	14800	17800
		Antimony	2.42	2.9
		Arsenic	13	15.6
		RBA Adjusted Arsenic	1.63	1.95
		Cadmium	5.43	6.5
		Chromium	27.7	33.1
		Cobalt	8.09	9.68
		Iron	20200	24200
		Lead	197	236
		RBA Adjusted Lead	195	233
		Manganese	465	557
		Nickel	22.8	27.4
		Thallium	0.326	0.39
		Vanadium	36.1	43.2

Table 3-27. Residential Soil Associated with Residential Beach DU EPCs

Beach DU	Paired Residential Soil DU ID(s)[a]	COPC	Residential Soil/Dust Ingestion EPC[b]	Residential Soil Dermal EPC[c]
226A	House DU226C	Aluminum	6080	7280
		Antimony	4.64	5.56
		Arsenic	14.5	17.3
		RBA Adjusted Arsenic	4.77	5.72
		Cadmium	3.99	4.78
		Chromium	19.5	23.4
		Cobalt	4.15	4.97
		Iron	10900	13000
		Lead	265	317
		RBA Adjusted Lead	330	395
		Manganese	371	444
		Nickel	10.4	12.5
		Thallium	0.454	0.544
		Vanadium	20.1	24.1
251B	House DU253	Aluminum	7330	8770
		Antimony	0.901	1.08
		Arsenic	7.54	9.02
		RBA Adjusted Arsenic	1.73	2.07
		Cadmium	2.22	2.66
		Chromium	16.9	20.3
		Cobalt	5.05	6.04
		Iron	13300	15900
		Lead	86.9	104
		RBA Adjusted Lead	91.8	110
		Manganese	274	328
		Nickel	12.2	14.6
		Thallium	0.195	0.234
		Vanadium	23.6	28.2
800B	DU801 (Not a house DU, but on the same property as beach DU801. No other DUs nearby; 2 closest house DUs > 1/2 mile away.	Aluminum	4470	5360
		Antimony	3.17	3.8
		Arsenic	13.2	15.8
		RBA Adjusted Arsenic	4.36	5.22
		Cadmium	4.22	5.06
		Chromium	16.2	19.4
		Cobalt	3.63	4.35
		Iron	16000	19200
		Lead	191	228
		RBA Adjusted Lead	200	240
		Manganese	199	238
		Nickel	9.24	11.1
		Thallium	0.287	0.344
		Vanadium	29.2	34.9

Table 3-27. Residential Soil Associated with Residential Beach DU EPCs

Beach DU	Paired Residential Soil DU ID(s)[a]	COPC	Residential Soil/Dust Ingestion EPC[b]	Residential Soil Dermal EPC[c]

[a]If present, house DUs located on the same property as the beach DU were identified. If no house DU was present on the same property a surrogate value was identified.

[b]With the exception of Lead and RBA Adjusted Lead, an adjustment factor of 0.7 was applied to the soil concentration to generate an indoor dust concentration (where indoor dust EPC = outdoor soil EPC *0.7). A combined Soil/Dust EPC was generated for use in Ingestion pathway risk calculations [combined soil/dust EPC = (outdoor soil EPC * 0.45) + ((outdoor soil EPC * 0.7) * 0.55)]. The lead EPC was adjusted for dust within the IEUBK model. If more than one house DU is present on a property with a residential beach, the outdoor soil lead concentration was generated by averaging the average soil concentration for each residential soil DU identified. For non-lead COPCs, the outdoor soil concentration was generated by averaging the 95UCL or equivalent (Result*CF) soil concentration for each residential soil DU identified (Appendix 12).

[c]If more than one house DU is present on a property with a residential beach then for lead, the average of the average soil concentration for each residential soil DU identified was used as the EPC. For non-lead COPCs, the average of the 95UCL or equivalent (Result*CF) soil concentration for each residential soil DU identified was used as the EPC.

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-001	Aluminum	1 / 1	15600	15600	N/A	18700	15600	18700	Result*CF
	Antimony	1 / 1	2 3	2 3	N/A	2 76	2 3	2 76	Result*CF
	Arsenic	1 / 1	18 5	18 5	N/A	22 2	18 5	22 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 51	3 51	N/A	4 21	3 51	4 21	Result*CF
	Cadmium	1 / 1	6 52	6 52	N/A	7 82	6 53	7 82	Result*CF
	Chromium	1 / 1	20	20	N/A	24	20	24	Result*CF
	Cobalt	1 / 1	9 12	9 12	N/A	10 9	9 14	10 9	Result*CF
	Iron	1 / 1	18000	18000	N/A	21600	18000	21600	Result*CF
	Lead	1 / 1	288	288	N/A	346	288	288	Mean
	RBA Adjusted Lead	1 / 1	354	354	N/A	425	354	354	Mean
	Manganese	1 / 1	634	634	N/A	761	635	761	Result*CF
	Thallium	1 / 1	0 36	0 36	N/A	0 432	0 361	0 432	Result*CF
	Vanadium	1 / 1	28 1	28 1	N/A	33 7	28 2	33 7	Result*CF
ADA-002	Aluminum	1 / 1	16400	16400	N/A	19700	16400	19700	Result*CF
	Antimony	1 / 1	1 89	1 89	N/A	2 27	1 89	2 27	Result*CF
	Arsenic	1 / 1	11 6	11 6	N/A	13 9	11 6	13 9	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 26	3 26	N/A	3 91	3 26	3 91	Result*CF
	Cadmium	1 / 1	2 85	2 85	N/A	3 42	2 86	3 42	Result*CF
	Chromium	1 / 1	20 8	20 8	N/A	25	20 8	25	Result*CF
	Cobalt	1 / 1	7 6	7 6	N/A	9 12	7 62	9 12	Result*CF
	Iron	1 / 1	19300	19300	N/A	23200	19300	23200	Result*CF
	Lead	1 / 1	51 6	51 6	N/A	61 9	51 6	51 6	Mean
	RBA Adjusted Lead	1 / 1	60 4	60 4	N/A	72 4	60 4	60 4	Mean
	Manganese	1 / 1	427	427	N/A	512	428	512	Result*CF
	Thallium	1 / 1	0 27	0 27	N/A	0 324	0 271	0 324	Result*CF
	Vanadium	1 / 1	46 4	46 4	N/A	55 7	46 5	55 7	Result*CF
ADA-004	Aluminum	1 / 1	14400	14400	N/A	17300	14400	17300	Result*CF
	Antimony	1 / 1	2 17	2 17	N/A	2 6	2 17	2 6	Result*CF
	Arsenic	1 / 1	14 6	14 6	N/A	17 5	14 6	17 5	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 1	4 1	N/A	4 92	4 11	4 92	Result*CF
	Cadmium	1 / 1	5 01	5 01	N/A	6 01	5 02	6 01	Result*CF
	Chromium	1 / 1	14 2	14 2	N/A	17	14 2	17	Result*CF
	Cobalt	1 / 1	5 68	5 68	N/A	6 82	5 69	6 82	Result*CF
	Iron	1 / 1	15800	15800	N/A	19000	15800	19000	Result*CF
	Lead	1 / 1	138	138	N/A	166	138	138	Mean
	RBA Adjusted Lead	1 / 1	161	161	N/A	194	161	161	Mean
	Manganese	1 / 1	614	614	N/A	737	615	737	Result*CF
	Thallium	1 / 1	0 25	0 25	N/A	0 3	0 251	0 3	Result*CF
	Vanadium	1 / 1	31 3	31 3	N/A	37 6	31 4	37 6	Result*CF
ADA-005	Aluminum	1 / 1	15200	15200	N/A	18200	15200	18200	Result*CF
	Antimony	1 / 1	2 57	2 57	N/A	3 08	2 58	3 08	Result*CF
	Arsenic	1 / 1	18	18	N/A	21 6	18	21 6	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 05	5 05	N/A	6 06	5 06	6 06	Result*CF
	Cadmium	1 / 1	2 75	2 75	N/A	3 3	2 76	3 3	Result*CF
	Chromium	1 / 1	20 7	20 7	N/A	24 8	20 7	24 8	Result*CF
	Cobalt	1 / 1	8 09	8 09	N/A	9 71	8 11	9 71	Result*CF
	Iron	1 / 1	20000	20000	N/A	24000	20000	24000	Result*CF
	Lead	1 / 1	72 4	72 4	N/A	86 9	72 4	72 4	Mean
	RBA Adjusted Lead	1 / 1	84 7	84 7	N/A	102	84 7	84 7	Mean
	Manganese	1 / 1	382	382	N/A	458	383	458	Result*CF
	Thallium	1 / 1	0 31	0 31	N/A	0 372	0 311	0 372	Result*CF
	Vanadium	1 / 1	53 5	53 5	N/A	64 2	53 6	64 2	Result*CF
ADA-006	Aluminum	1 / 1	13000	13000	N/A	15600	13000	15600	Result*CF
	Antimony	1 / 1	2 95	2 95	N/A	3 54	2 96	3 54	Result*CF
	Arsenic	1 / 1	16 8	16 8	N/A	20 2	16 8	20 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 72	4 72	N/A	5 66	4 73	5 66	Result*CF
	Cadmium	1 / 1	5 45	5 45	N/A	6 54	5 46	6 54	Result*CF
	Chromium	1 / 1	21	21	N/A	25 2	21	25 2	Result*CF
	Cobalt	1 / 1	6 44	6 44	N/A	7 73	6 45	7 73	Result*CF
	Iron	1 / 1	16100	16100	N/A	19300	16100	19300	Result*CF
	Lead	1 / 1	252	252	N/A	302	252	252	Mean
	RBA Adjusted Lead	1 / 1	295	295	N/A	354	295	295	Mean
	Manganese	1 / 1	585	585	N/A	702	586	702	Result*CF
	Thallium	1 / 1	0 32	0 32	N/A	0 384	0 321	0 384	Result*CF
	Vanadium	1 / 1	29 7	29 7	N/A	35 6	29 8	35 6	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-008	Aluminum	1 / 1	13000	13000	N/A	15600	13000	15600	Result*CF
	Antimony	1 / 1	3 27	3 27	N/A	3 92	3 28	3 92	Result*CF
	Arsenic	1 / 1	20 2	20 2	N/A	24 2	20 2	24 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 67	5 67	N/A	6 81	5 68	6 81	Result*CF
	Cadmium	1 / 1	4 87	4 87	N/A	5 84	4 88	5 84	Result*CF
	Chromium	1 / 1	25 3	25 3	N/A	30 4	25 4	30 4	Result*CF
	Cobalt	1 / 1	6 27	6 27	N/A	7 52	6 28	7 52	Result*CF
	Iron	1 / 1	18900	18900	N/A	22700	18900	22700	Result*CF
	Lead	1 / 1	297	297	N/A	356	297	297	Mean
	RBA Adjusted Lead	1 / 1	347	347	N/A	417	347	347	Mean
	Manganese	1 / 1	554	554	N/A	665	555	665	Result*CF
	Thallium	1 / 1	0 31	0 31	N/A	0 372	0 311	0 372	Result*CF
	Vanadium	1 / 1	32 5	32 5	N/A	39	32 6	39	Result*CF
ADA-010	Aluminum	1 / 1	18900	18900	N/A	22700	18900	22700	Result*CF
	Antimony	1 / 1	4 22	4 22	N/A	5 06	4 23	5 06	Result*CF
	Arsenic	1 / 1	30 7	30 7	N/A	36 8	30 8	36 8	Result*CF
	RBA Adjusted Arsenic	1 / 1	8 62	8 62	N/A	10 3	8 64	10 3	Result*CF
	Cadmium	1 / 1	10	10	N/A	12	10	12	Result*CF
	Chromium	1 / 1	18	18	N/A	21 6	18	21 6	Result*CF
	Cobalt	1 / 1	9 3	9 3	N/A	11 2	9 32	11 2	Result*CF
	Iron	1 / 1	19900	19900	N/A	23900	19900	23900	Result*CF
	Lead	1 / 1	450	450	N/A	540	450	450	Mean
	RBA Adjusted Lead	1 / 1	526	526	N/A	632	526	526	Mean
	Manganese	1 / 1	1650	1650	N/A	1980	1650	1980	Result*CF
	Thallium	1 / 1	0 46	0 46	N/A	0 552	0 461	0 552	Result*CF
	Vanadium	1 / 1	25 5	25 5	N/A	30 6	25 6	30 6	Result*CF
ADA-015	Aluminum	1 / 1	10700	10700	N/A	12800	10700	12800	Result*CF
	Antimony	1 / 1	1 39	1 39	N/A	1 67	1 39	1 67	Result*CF
	Arsenic	1 / 1	10 2	10 2	N/A	12 2	10 2	12 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 86	2 86	N/A	3 44	2 87	3 44	Result*CF
	Cadmium	1 / 1	2 77	2 77	N/A	3 32	2 78	3 32	Result*CF
	Chromium	1 / 1	14 8	14 8	N/A	17 8	14 8	17 8	Result*CF
	Cobalt	1 / 1	4 36	4 36	N/A	5 23	4 37	5 23	Result*CF
	Iron	1 / 1	12000	12000	N/A	14400	12000	14400	Result*CF
	Lead	1 / 1	150	150	N/A	180	150	150	Mean
	RBA Adjusted Lead	1 / 1	175	175	N/A	211	175	175	Mean
	Manganese	1 / 1	560	560	N/A	672	561	672	Result*CF
	Thallium	1 / 1	0 21	0 21	N/A	0 252	0 21	0 252	Result*CF
	Vanadium	1 / 1	19 5	19 5	N/A	23 4	19 5	23 4	Result*CF
ADA-016	Aluminum	3 / 3	13800	13400	551	14400	12000	14400	UCL-P
	Antimony	3 / 3	2 58	2 43	0 137	2 66	2 22	2 66	UCL-P
	Arsenic	3 / 3	16 8	15 3	1 39	17 6	14 7	17 6	UCL-P
	RBA Adjusted Arsenic	3 / 3	4 71	4 18	0 489	5	4 18	5	UCL-P
	Cadmium	3 / 3	5 57	5 2	0 397	5 87	4 9	5 87	UCL-P
	Chromium	3 / 3	16 7	15 2	1 32	17 4	14 6	17 4	UCL-P
	Cobalt	3 / 3	5 4	5 14	0 231	5 53	4 61	5 53	UCL-P
	Iron	3 / 3	15200	14400	723	15600	13000	15600	UCL-P
	Lead	3 / 3	234	220	12 1	241	220	220	Mean
	RBA Adjusted Lead	3 / 3	264	258	4 96	266	258	258	Mean
	Manganese	3 / 3	660	645	20	678	566	678	UCL-P
	Thallium	3 / 3	0 29	0 27	0 0173	0 299	0 25	0 299	UCL-P
	Vanadium	3 / 3	23 7	22 3	1 18	24 3	20 3	24 3	UCL-P
ADA-017	Aluminum	1 / 1	12600	12600	N/A	15100	12600	15100	Result*CF
	Antimony	1 / 1	3 42	3 42	N/A	4 1	3 43	4 1	Result*CF
	Arsenic	1 / 1	20 2	20 2	N/A	24 2	20 2	24 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 67	5 67	N/A	6 81	5 68	6 81	Result*CF
	Cadmium	1 / 1	5 2	5 2	N/A	6 24	5 21	6 24	Result*CF
	Chromium	1 / 1	16 5	16 5	N/A	19 8	16 5	19 8	Result*CF
	Cobalt	1 / 1	5 2	5 2	N/A	6 24	5 21	6 24	Result*CF
	Iron	1 / 1	15000	15000	N/A	18000	15000	18000	Result*CF
	Lead	1 / 1	248	248	N/A	298	248	248	Mean
	RBA Adjusted Lead	1 / 1	290	290	N/A	348	290	290	Mean
	Manganese	1 / 1	593	593	N/A	712	594	712	Result*CF
	Thallium	1 / 1	0 34	0 34	N/A	0 408	0 341	0 408	Result*CF
	Vanadium	1 / 1	24 5	24 5	N/A	29 4	24 5	29 4	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-018	Aluminum	1 / 1	11300	11300	N/A	13600	11300	13600	Result*CF
	Antimony	1 / 1	4 73	4 73	N/A	5 68	4 74	5 68	Result*CF
	Arsenic	1 / 1	12 3	12 3	N/A	14 8	12 3	14 8	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 45	3 45	N/A	4 14	3 46	4 14	Result*CF
	Cadmium	1 / 1	6 56	6 56	N/A	7 87	6 57	7 87	Result*CF
	Chromium	1 / 1	19 8	19 8	N/A	23 8	19 8	23 8	Result*CF
	Cobalt	1 / 1	5 04	5 04	N/A	6 05	5 05	6 05	Result*CF
	Iron	1 / 1	14400	14400	N/A	17300	14400	17300	Result*CF
	Lead	1 / 1	450	450	N/A	540	450	450	Mean
	RBA Adjusted Lead	1 / 1	526	526	N/A	632	526	526	Mean
	Manganese	1 / 1	559	559	N/A	671	560	671	Result*CF
	Thallium	1 / 1	0 46	0 46	N/A	0 552	0 461	0 552	Result*CF
	Vanadium	1 / 1	24 6	24 6	N/A	29 5	24 6	29 5	Result*CF
ADA-019	Aluminum	1 / 1	14100	14100	N/A	16900	14100	16900	Result*CF
	Antimony	1 / 1	1 27	1 27	N/A	1 52	1 27	1 52	Result*CF
	Arsenic	1 / 1	15 2	15 2	N/A	18 2	15 2	18 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 27	4 27	N/A	5 12	4 28	5 12	Result*CF
	Cadmium	1 / 1	2 51	2 51	N/A	3 01	2 52	3 01	Result*CF
	Chromium	1 / 1	32 1	32 1	N/A	38 5	32 2	38 5	Result*CF
	Cobalt	1 / 1	9 48	9 48	N/A	11 4	9 5	11 4	Result*CF
	Iron	1 / 1	24200	24200	N/A	29000	24200	29000	Result*CF
	Lead	1 / 1	97 8	97 8	N/A	117	97 8	97 8	Mean
	RBA Adjusted Lead	1 / 1	114	114	N/A	137	114	114	Mean
	Manganese	1 / 1	633	633	N/A	760	634	760	Result*CF
	Thallium	1 / 1	0 17	0 17	N/A	0 204	0 17	0 204	Result*CF
	Vanadium	1 / 1	47 7	47 7	N/A	57 2	47 8	57 2	Result*CF
ADA-020	Aluminum	3 / 3	23000	22600	361	23200	19400	23200	UCL-P
	Antimony	3 / 3	1 33	1 24	0 0862	1 38	1 15	1 38	UCL-P
	Arsenic	3 / 3	12 4	12	0 361	12 6	10 5	12 6	UCL-P
	RBA Adjusted Arsenic	3 / 3	3 48	3 37	0 101	3 54	2 96	3 54	UCL-P
	Cadmium	3 / 3	2 66	2 43	0 203	2 77	2 31	2 77	UCL-P
	Chromium	3 / 3	23 7	23 3	0 458	24 1	20 1	24 1	UCL-P
	Cobalt	3 / 3	8 52	8 39	0 174	8 68	7 25	8 68	UCL-P
	Iron	3 / 3	20400	20200	200	20500	17100	20500	UCL-P
	Lead	3 / 3	95 6	89 1	5 68	98 6	89 1	89 1	Mean
	RBA Adjusted Lead	3 / 3	112	104	6 64	115	104	104	Mean
	Manganese	3 / 3	571	561	9 07	577	481	577	UCL-P
	Thallium	3 / 3	0 23	0 217	0 0153	0 242	0 202	0 242	UCL-P
	Vanadium	3 / 3	39 3	38 8	0 808	40 2	33 6	40 2	UCL-P
ADA-021	Aluminum	1 / 1	13800	13800	N/A	16600	13800	16600	Result*CF
	Antimony	1 / 1	1 62	1 62	N/A	1 94	1 62	1 94	Result*CF
	Arsenic	1 / 1	26 3	26 3	N/A	31 6	26 4	31 6	Result*CF
	RBA Adjusted Arsenic	1 / 1	7 38	7 38	N/A	8 86	7 4	8 86	Result*CF
	Cadmium	1 / 1	2 86	2 86	N/A	3 43	2 87	3 43	Result*CF
	Chromium	1 / 1	20 3	20 3	N/A	24 4	20 3	24 4	Result*CF
	Cobalt	1 / 1	18	18	N/A	21 6	18	21 6	Result*CF
	Iron	1 / 1	27200	27200	N/A	32600	27300	32600	Result*CF
	Lead	1 / 1	91 3	91 3	N/A	110	91 3	91 3	Mean
	RBA Adjusted Lead	1 / 1	107	107	N/A	128	107	107	Mean
	Manganese	1 / 1	749	749	N/A	899	750	899	Result*CF
	Thallium	1 / 1	0 16	0 16	N/A	0 192	0 16	0 192	Result*CF
	Vanadium	1 / 1	27 7	27 7	N/A	33 2	27 8	33 2	Result*CF
ADA-023	Aluminum	3 / 3	15300	14500	854	15900	13300	15900	UCL-P
	Antimony	3 / 3	2 48	2 24	0 218	2 61	2 18	2 61	UCL-P
	Arsenic	3 / 3	20 4	18 3	2 21	22 1	18 4	22 1	UCL-P
	RBA Adjusted Arsenic	3 / 3	5 73	5 15	0 621	6 19	5 17	6 19	UCL-P
	Cadmium	3 / 3	7 26	6 34	0 802	7 7	6 43	7 7	UCL-P
	Chromium	3 / 3	29 7	28 6	1 01	30 3	25 3	30 3	UCL-P
	Cobalt	3 / 3	9 36	9 21	0 195	9 54	7 96	9 54	UCL-P
	Iron	3 / 3	19300	19100	208	19400	16200	19400	UCL-P
	Lead	3 / 3	164	151	11 4	171	151	151	Mean
	RBA Adjusted Lead	3 / 3	192	177	13 3	199	177	177	Mean
	Manganese	3 / 3	445	433	13 9	457	381	457	UCL-P
	Thallium	3 / 3	0 34	0 32	0 0173	0 349	0 292	0 349	UCL-P
	Vanadium	3 / 3	52 2	49 6	3 16	55	45 9	55	UCL-P

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-024	Aluminum	1 / 1	14300	14300	N/A	17200	14300	17200	Result*CF
	Antimony	1 / 1	4 57	4 57	N/A	5 48	4 58	5 48	Result*CF
	Arsenic	1 / 1	27 8	27 8	N/A	33 4	27 9	33 4	Result*CF
	RBA Adjusted Arsenic	1 / 1	7 8	7 8	N/A	9 37	7 82	9 37	Result*CF
	Cadmium	1 / 1	8 16	8 16	N/A	9 79	8 18	9 79	Result*CF
	Chromium	1 / 1	14 5	14 5	N/A	17 4	14 5	17 4	Result*CF
	Cobalt	1 / 1	4 76	4 76	N/A	5 71	4 77	5 71	Result*CF
	Iron	1 / 1	14500	14500	N/A	17400	14500	17400	Result*CF
	Lead	1 / 1	436	436	N/A	523	436	436	Mean
	RBA Adjusted Lead	1 / 1	510	510	N/A	612	510	510	Mean
	Manganese	1 / 1	653	653	N/A	784	654	784	Result*CF
	Thallium	1 / 1	0 38	0 38	N/A	0 456	0 381	0 456	Result*CF
	Vanadium	1 / 1	21 6	21 6	N/A	25 9	21 6	25 9	Result*CF
ADA-025	Aluminum	1 / 1	14200	14200	N/A	17000	14200	17000	Result*CF
	Antimony	1 / 1	1 67	1 67	N/A	2	1 67	2	Result*CF
	Arsenic	1 / 1	16 9	16 9	N/A	20 3	16 9	20 3	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 74	4 74	N/A	5 69	4 75	5 69	Result*CF
	Cadmium	1 / 1	6 43	6 43	N/A	7 72	6 44	7 72	Result*CF
	Chromium	1 / 1	8 69	8 69	N/A	10 4	8 71	10 4	Result*CF
	Cobalt	1 / 1	4 66	4 66	N/A	5 59	4 67	5 59	Result*CF
	Iron	1 / 1	12900	12900	N/A	15500	12900	15500	Result*CF
	Lead	1 / 1	208	208	N/A	250	208	208	Mean
	RBA Adjusted Lead	1 / 1	243	243	N/A	292	243	243	Mean
	Manganese	1 / 1	647	647	N/A	776	648	776	Result*CF
	Thallium	1 / 1	0 25	0 25	N/A	0 3	0 251	0 3	Result*CF
	Vanadium	1 / 1	18 5	18 5	N/A	22 2	18 5	22 2	Result*CF
ADA-026	Aluminum	1 / 1	14000	14000	N/A	16800	14000	16800	Result*CF
	Antimony	1 / 1	1 57	1 57	N/A	1 88	1 57	1 88	Result*CF
	Arsenic	1 / 1	9 82	9 82	N/A	11 8	9 84	11 8	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 76	2 76	N/A	3 31	2 76	3 31	Result*CF
	Cadmium	1 / 1	4 94	4 94	N/A	5 93	4 95	5 93	Result*CF
	Chromium	1 / 1	11 1	11 1	N/A	13 3	11 1	13 3	Result*CF
	Cobalt	1 / 1	5 64	5 64	N/A	6 77	5 65	6 77	Result*CF
	Iron	1 / 1	15200	15200	N/A	18200	15200	18200	Result*CF
	Lead	1 / 1	72	72	N/A	86 4	72	72	Mean
	RBA Adjusted Lead	1 / 1	84 2	84 2	N/A	101	84 2	84 2	Mean
	Manganese	1 / 1	492	492	N/A	590	493	590	Result*CF
	Thallium	1 / 1	0 21	0 21	N/A	0 252	0 21	0 252	Result*CF
	Vanadium	1 / 1	30 1	30 1	N/A	36 1	30 2	36 1	Result*CF
ADA-028	Aluminum	1 / 1	13500	13500	N/A	16200	13500	16200	Result*CF
	Antimony	1 / 1	1 84	1 84	N/A	2 21	1 84	2 21	Result*CF
	Arsenic	1 / 1	15	15	N/A	18	15	18	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 21	4 21	N/A	5 05	4 22	5 05	Result*CF
	Cadmium	1 / 1	3 66	3 66	N/A	4 39	3 67	4 39	Result*CF
	Chromium	1 / 1	13 7	13 7	N/A	16 4	13 7	16 4	Result*CF
	Cobalt	1 / 1	4 49	4 49	N/A	5 39	4 5	5 39	Result*CF
	Iron	1 / 1	12400	12400	N/A	14900	12400	14900	Result*CF
	Lead	1 / 1	207	207	N/A	248	207	207	Mean
	RBA Adjusted Lead	1 / 1	242	242	N/A	291	242	242	Mean
	Manganese	1 / 1	458	458	N/A	550	459	550	Result*CF
	Thallium	1 / 1	0 25	0 25	N/A	0 3	0 251	0 3	Result*CF
	Vanadium	1 / 1	19 7	19 7	N/A	23 6	19 7	23 6	Result*CF
ADA-033	Aluminum	1 / 1	19300	19300	N/A	23200	19300	23200	Result*CF
	Antimony	1 / 1	0 74	0 74	N/A	0 888	0 741	0 888	Result*CF
	Arsenic	1 / 1	11 3	11 3	N/A	13 6	11 3	13 6	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 17	3 17	N/A	3 81	3 18	3 81	Result*CF
	Cadmium	1 / 1	3 67	3 67	N/A	4 4	3 68	4 4	Result*CF
	Chromium	1 / 1	10 1	10 1	N/A	12 1	10 1	12 1	Result*CF
	Cobalt	1 / 1	5 02	5 02	N/A	6 02	5 03	6 02	Result*CF
	Iron	1 / 1	14000	14000	N/A	16800	14000	16800	Result*CF
	Lead	1 / 1	75 8	75 8	N/A	91	75 8	75 8	Mean
	RBA Adjusted Lead	1 / 1	88 7	88 7	N/A	106	88 7	88 7	Mean
	Manganese	1 / 1	772	772	N/A	926	774	926	Result*CF
	Thallium	1 / 1	0 3	0 3	N/A	0 36	0 301	0 36	Result*CF
	Vanadium	1 / 1	27 3	27 3	N/A	32 8	27 4	32 8	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-034	Aluminum	1 / 1	21200	21200	N/A	25400	21200	25400	Result*CF
	Antimony	1 / 1	0 87	0 87	N/A	1 04	0 872	1 04	Result*CF
	Arsenic	1 / 1	9 01	9 01	N/A	10 8	9 03	10 8	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 53	2 53	N/A	3 04	2 53	3 04	Result*CF
	Cadmium	1 / 1	1 47	1 47	N/A	1 76	1 47	1 76	Result*CF
	Chromium	1 / 1	14 3	14 3	N/A	17 2	14 3	17 2	Result*CF
	Cobalt	1 / 1	6 6	6 6	N/A	7 92	6 61	7 92	Result*CF
	Iron	1 / 1	18300	18300	N/A	22000	18300	22000	Result*CF
	Lead	1 / 1	65 4	65 4	N/A	78 5	65 4	65 4	Mean
	RBA Adjusted Lead	1 / 1	76 5	76 5	N/A	91 8	76 5	76 5	Mean
	Manganese	1 / 1	735	735	N/A	882	736	882	Result*CF
	Thallium	1 / 1	0 24	0 24	N/A	0 288	0 24	0 288	Result*CF
	Vanadium	1 / 1	31	31	N/A	37 2	31 1	37 2	Result*CF
ADA-035	Aluminum	1 / 1	17900	17900	N/A	21500	17900	21500	Result*CF
	Antimony	1 / 1	1 39	1 39	N/A	1 67	1 39	1 67	Result*CF
	Arsenic	1 / 1	13 6	13 6	N/A	16 3	13 6	16 3	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 19	4 19	N/A	5 03	4 2	5 03	Result*CF
	Cadmium	1 / 1	4 02	4 02	N/A	4 82	4 03	4 82	Result*CF
	Chromium	1 / 1	12 7	12 7	N/A	15 2	12 7	15 2	Result*CF
	Cobalt	1 / 1	4 5	4 5	N/A	5 4	4 51	5 4	Result*CF
	Iron	1 / 1	14900	14900	N/A	17900	14900	17900	Result*CF
	Lead	1 / 1	183	183	N/A	220	183	183	Mean
	RBA Adjusted Lead	1 / 1	215	215	N/A	258	215	215	Mean
	Manganese	1 / 1	722	722	N/A	866	723	866	Result*CF
	Thallium	1 / 1	0 25	0 25	N/A	0 3	0 251	0 3	Result*CF
	Vanadium	1 / 1	20 4	20 4	N/A	24 5	20 4	24 5	Result*CF
ADA-039	Aluminum	1 / 1	17500	17500	N/A	21000	17500	21000	Result*CF
	Antimony	1 / 1	0 57	0 57	N/A	0 684	0 571	0 684	Result*CF
	Arsenic	1 / 1	6 81	6 81	N/A	8 17	6 82	8 17	Result*CF
	RBA Adjusted Arsenic	1 / 1	1 91	1 91	N/A	2 29	1 92	2 29	Result*CF
	Cadmium	1 / 1	3 56	3 56	N/A	4 27	3 57	4 27	Result*CF
	Chromium	1 / 1	13 5	13 5	N/A	16 2	13 5	16 2	Result*CF
	Cobalt	1 / 1	5 65	5 65	N/A	6 78	5 66	6 78	Result*CF
	Iron	1 / 1	13900	13900	N/A	16700	13900	16700	Result*CF
	Lead	1 / 1	35 2	35 2	N/A	42 2	35 2	35 2	Mean
	RBA Adjusted Lead	1 / 1	41 2	41 2	N/A	49 4	41 2	41 2	Mean
	Manganese	1 / 1	607	607	N/A	728	608	728	Result*CF
	Thallium	1 / 1	0 18	0 18	N/A	0 216	0 18	0 216	Result*CF
	Vanadium	1 / 1	30 5	30 5	N/A	36 6	30 6	36 6	Result*CF
ADA-042	Aluminum	1 / 1	13600	13600	N/A	16300	13600	16300	Result*CF
	Antimony	1 / 1	1 31	1 31	N/A	1 57	1 31	1 57	Result*CF
	Arsenic	1 / 1	9 52	9 52	N/A	11 4	9 54	11 4	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 67	2 67	N/A	3 21	2 68	3 21	Result*CF
	Cadmium	1 / 1	1 29	1 29	N/A	1 55	1 29	1 55	Result*CF
	Chromium	1 / 1	16 6	16 6	N/A	19 9	16 6	19 9	Result*CF
	Cobalt	1 / 1	5 29	5 29	N/A	6 35	5 3	6 35	Result*CF
	Iron	1 / 1	16100	16100	N/A	19300	16100	19300	Result*CF
	Lead	1 / 1	81 4	81 4	N/A	97 7	81 4	81 4	Mean
	RBA Adjusted Lead	1 / 1	95 2	95 2	N/A	114	95 2	95 2	Mean
	Manganese	1 / 1	490	490	N/A	588	491	588	Result*CF
	Thallium	1 / 1	0 18	0 18	N/A	0 216	0 18	0 216	Result*CF
	Vanadium	1 / 1	25 9	25 9	N/A	31 1	26	31 1	Result*CF
ADA-043	Aluminum	1 / 1	16300	16300	N/A	19600	16300	19600	Result*CF
	Antimony	1 / 1	2 46	2 46	N/A	2 95	2 46	2 95	Result*CF
	Arsenic	1 / 1	13 6	13 6	N/A	16 3	13 6	16 3	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 82	3 82	N/A	4 58	3 83	4 58	Result*CF
	Cadmium	1 / 1	5 62	5 62	N/A	6 74	5 63	6 74	Result*CF
	Chromium	1 / 1	24 5	24 5	N/A	29 4	24 5	29 4	Result*CF
	Cobalt	1 / 1	13 7	13 7	N/A	16 4	13 7	16 4	Result*CF
	Iron	1 / 1	26000	26000	N/A	31200	26100	31200	Result*CF
	Lead	1 / 1	154	154	N/A	185	154	154	Mean
	RBA Adjusted Lead	1 / 1	180	180	N/A	216	180	180	Mean
	Manganese	1 / 1	983	983	N/A	1180	985	1180	Result*CF
	Thallium	1 / 1	0 25	0 25	N/A	0 3	0 251	0 3	Result*CF
	Vanadium	1 / 1	31 2	31 2	N/A	37 4	31 3	37 4	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-044	Aluminum	1 / 1	21800	21800	N/A	26200	21800	26200	Result*CF
	Antimony	1 / 1	1 34	1 34	N/A	1 61	1 34	1 61	Result*CF
	Arsenic	1 / 1	15 3	15 3	N/A	18 4	15 3	18 4	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 3	4 3	N/A	5 15	4 3	5 15	Result*CF
	Cadmium	1 / 1	11 7	11 7	N/A	14	11 7	14	Result*CF
	Chromium	1 / 1	35	35	N/A	42	35 1	42	Result*CF
	Cobalt	1 / 1	11 9	11 9	N/A	14 3	11 9	14 3	Result*CF
	Iron	1 / 1	22400	22400	N/A	26900	22400	26900	Result*CF
	Lead	1 / 1	141	141	N/A	169	141	141	Mean
	RBA Adjusted Lead	1 / 1	165	165	N/A	198	165	165	Mean
	Manganese	1 / 1	894	894	N/A	1070	896	1070	Result*CF
	Thallium	1 / 1	0 35	0 35	N/A	0 42	0 351	0 42	Result*CF
	Vanadium	1 / 1	45 8	45 8	N/A	55	45 9	55	Result*CF
ADA-045	Aluminum	1 / 1	15900	15900	N/A	19100	15900	19100	Result*CF
	Antimony	1 / 1	2 97	2 97	N/A	3 56	2 98	3 56	Result*CF
	Arsenic	1 / 1	28 2	28 2	N/A	33 8	28 3	33 8	Result*CF
	RBA Adjusted Arsenic	1 / 1	7 92	7 92	N/A	9 5	7 93	9 5	Result*CF
	Cadmium	1 / 1	6 92	6 92	N/A	8 3	6 93	8 3	Result*CF
	Chromium	1 / 1	15 8	15 8	N/A	19	15 8	19	Result*CF
	Cobalt	1 / 1	6 61	6 61	N/A	7 93	6 62	7 93	Result*CF
	Iron	1 / 1	17200	17200	N/A	20600	17200	20600	Result*CF
	Lead	1 / 1	324	324	N/A	389	324	324	Mean
	RBA Adjusted Lead	1 / 1	379	379	N/A	455	379	379	Mean
	Manganese	1 / 1	772	772	N/A	926	774	926	Result*CF
	Thallium	1 / 1	0 44	0 44	N/A	0 528	0 441	0 528	Result*CF
	Vanadium	1 / 1	25 4	25 4	N/A	30 5	25 5	30 5	Result*CF
ADA-046	Aluminum	1 / 1	11300	11300	N/A	13600	11300	13600	Result*CF
	Antimony	1 / 1	1 75	1 75	N/A	2 1	1 75	2 1	Result*CF
	Arsenic	1 / 1	13 1	13 1	N/A	15 7	13 1	15 7	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 68	3 68	N/A	4 41	3 69	4 41	Result*CF
	Cadmium	1 / 1	3 22	3 22	N/A	3 86	3 23	3 86	Result*CF
	Chromium	1 / 1	14	14	N/A	16 8	14	16 8	Result*CF
	Cobalt	1 / 1	4 6	4 6	N/A	5 52	4 61	5 52	Result*CF
	Iron	1 / 1	13000	13000	N/A	15600	13000	15600	Result*CF
	Lead	1 / 1	180	180	N/A	216	180	180	Mean
	RBA Adjusted Lead	1 / 1	211	211	N/A	253	211	211	Mean
	Manganese	1 / 1	449	449	N/A	539	450	539	Result*CF
	Thallium	1 / 1	0 23	0 23	N/A	0 276	0 23	0 276	Result*CF
	Vanadium	1 / 1	21 3	21 3	N/A	25 6	21 3	25 6	Result*CF
ADA-047	Aluminum	1 / 1	16700	16700	N/A	20000	16700	20000	Result*CF
	Antimony	1 / 1	3	3	N/A	3 6	3 01	3 6	Result*CF
	Arsenic	1 / 1	18 9	18 9	N/A	22 7	18 9	22 7	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 34	5 34	N/A	6 41	5 36	6 41	Result*CF
	Cadmium	1 / 1	6 58	6 58	N/A	7 9	6 59	7 9	Result*CF
	Chromium	1 / 1	25	25	N/A	30	25 1	30	Result*CF
	Cobalt	1 / 1	7 97	7 97	N/A	9 56	7 99	9 56	Result*CF
	Iron	1 / 1	18900	18900	N/A	22700	18900	22700	Result*CF
	Lead	1 / 1	269	269	N/A	323	269	269	Mean
	RBA Adjusted Lead	1 / 1	326	326	N/A	391	326	326	Mean
	Manganese	1 / 1	773	773	N/A	928	775	928	Result*CF
	Thallium	1 / 1	0 37	0 37	N/A	0 444	0 371	0 444	Result*CF
	Vanadium	1 / 1	34 2	34 2	N/A	41	34 3	41	Result*CF
ADA-048	Aluminum	1 / 1	16800	16800	N/A	20200	16800	20200	Result*CF
	Antimony	1 / 1	1 59	1 59	N/A	1 91	1 59	1 91	Result*CF
	Arsenic	1 / 1	11 1	11 1	N/A	13 3	11 1	13 3	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 67	2 67	N/A	3 2	2 67	3 2	Result*CF
	Cadmium	1 / 1	4 3	4 3	N/A	5 16	4 31	5 16	Result*CF
	Chromium	1 / 1	16 2	16 2	N/A	19 4	16 2	19 4	Result*CF
	Cobalt	1 / 1	9 35	9 35	N/A	11 2	9 37	11 2	Result*CF
	Iron	1 / 1	21000	21000	N/A	25200	21000	25200	Result*CF
	Lead	1 / 1	124	124	N/A	149	124	124	Mean
	RBA Adjusted Lead	1 / 1	144	144	N/A	172	144	144	Mean
	Manganese	1 / 1	912	912	N/A	1090	914	1090	Result*CF
	Thallium	1 / 1	0 2	0 2	N/A	0 24	0 2	0 24	Result*CF
	Vanadium	1 / 1	24 5	24 5	N/A	29 4	24 5	29 4	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-049	Aluminum	1 / 1	21800	21800	N/A	26200	21800	26200	Result*CF
	Antimony	1 / 1	0 7	0 7	N/A	0 84	0 701	0 84	Result*CF
	Arsenic	1 / 1	10 7	10 7	N/A	12 8	10 7	12 8	Result*CF
	RBA Adjusted Arsenic	1 / 1	3	3	N/A	3 6	3 01	3 6	Result*CF
	Cadmium	1 / 1	4 26	4 26	N/A	5 11	4 27	5 11	Result*CF
	Chromium	1 / 1	12 8	12 8	N/A	15 4	12 8	15 4	Result*CF
	Cobalt	1 / 1	6 86	6 86	N/A	8 23	6 87	8 23	Result*CF
	Iron	1 / 1	18000	18000	N/A	21600	18000	21600	Result*CF
	Lead	1 / 1	45 9	45 9	N/A	55 1	45 9	45 9	Mean
	RBA Adjusted Lead	1 / 1	53 7	53 7	N/A	64 4	53 7	53 7	Mean
	Manganese	1 / 1	803	803	N/A	964	805	964	Result*CF
	Thallium	1 / 1	0 24	0 24	N/A	0 288	0 24	0 288	Result*CF
	Vanadium	1 / 1	36 6	36 6	N/A	43 9	36 7	43 9	Result*CF
ADA-050	Aluminum	1 / 1	23300	23300	N/A	28000	23300	28000	Result*CF
	Antimony	1 / 1	3 67	3 67	N/A	4 4	3 68	4 4	Result*CF
	Arsenic	1 / 1	25 3	25 3	N/A	30 4	25 4	30 4	Result*CF
	RBA Adjusted Arsenic	1 / 1	7 1	7 1	N/A	8 52	7 12	8 52	Result*CF
	Cadmium	1 / 1	9 9	9 9	N/A	11 9	9 92	11 9	Result*CF
	Chromium	1 / 1	30 2	30 2	N/A	36 2	30 3	36 2	Result*CF
	Cobalt	1 / 1	12 9	12 9	N/A	15 5	12 9	15 5	Result*CF
	Iron	1 / 1	21500	21500	N/A	25800	21500	25800	Result*CF
	Lead	1 / 1	367	367	N/A	440	367	367	Mean
	RBA Adjusted Lead	1 / 1	429	429	N/A	515	429	429	Mean
	Manganese	1 / 1	634	634	N/A	761	635	761	Result*CF
	Thallium	1 / 1	0 52	0 52	N/A	0 624	0 521	0 624	Result*CF
	Vanadium	1 / 1	56 6	56 6	N/A	67 9	56 7	67 9	Result*CF
ADA-051	Aluminum	1 / 1	13900	13900	N/A	16700	13900	16700	Result*CF
	Antimony	1 / 1	1 07	1 07	N/A	1 28	1 07	1 28	Result*CF
	Arsenic	1 / 1	9 52	9 52	N/A	11 4	9 54	11 4	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 67	2 67	N/A	3 21	2 68	3 21	Result*CF
	Cadmium	1 / 1	7 09	7 09	N/A	8 51	7 1	8 51	Result*CF
	Chromium	1 / 1	13 6	13 6	N/A	16 3	13 6	16 3	Result*CF
	Cobalt	1 / 1	8	8	N/A	9 6	8 02	9 6	Result*CF
	Iron	1 / 1	18000	18000	N/A	21600	18000	21600	Result*CF
	Lead	1 / 1	105	105	N/A	126	105	105	Mean
	RBA Adjusted Lead	1 / 1	123	123	N/A	147	123	123	Mean
	Manganese	1 / 1	742	742	N/A	890	743	890	Result*CF
	Thallium	1 / 1	0 21	0 21	N/A	0 252	0 21	0 252	Result*CF
	Vanadium	1 / 1	26 1	26 1	N/A	31 3	26 2	31 3	Result*CF
ADA-052	Aluminum	1 / 1	16100	16100	N/A	19300	16100	19300	Result*CF
	Antimony	1 / 1	3 34	3 34	N/A	4 01	3 35	4 01	Result*CF
	Arsenic	1 / 1	19 9	19 9	N/A	23 9	19 9	23 9	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 59	5 59	N/A	6 7	5 6	6 7	Result*CF
	Cadmium	1 / 1	8 24	8 24	N/A	9 89	8 26	9 89	Result*CF
	Chromium	1 / 1	27 9	27 9	N/A	33 5	28	33 5	Result*CF
	Cobalt	1 / 1	8 58	8 58	N/A	10 3	8 6	10 3	Result*CF
	Iron	1 / 1	18100	18100	N/A	21700	18100	21700	Result*CF
	Lead	1 / 1	353	353	N/A	424	353	353	Mean
	RBA Adjusted Lead	1 / 1	413	413	N/A	496	413	413	Mean
	Manganese	1 / 1	808	808	N/A	970	810	970	Result*CF
	Thallium	1 / 1	0 41	0 41	N/A	0 492	0 411	0 492	Result*CF
	Vanadium	1 / 1	30 1	30 1	N/A	36 1	30 2	36 1	Result*CF
ADA-053	Aluminum	1 / 1	19100	19100	N/A	22900	19100	22900	Result*CF
	Antimony	1 / 1	0 79	0 79	N/A	0 948	0 792	0 948	Result*CF
	Arsenic	1 / 1	9 21	9 21	N/A	11 1	9 23	11 1	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 59	2 59	N/A	3 1	2 59	3 1	Result*CF
	Cadmium	1 / 1	1 46	1 46	N/A	1 75	1 46	1 75	Result*CF
	Chromium	1 / 1	28 1	28 1	N/A	33 7	28 2	33 7	Result*CF
	Cobalt	1 / 1	8 03	8 03	N/A	9 64	8 05	9 64	Result*CF
	Iron	1 / 1	18900	18900	N/A	22700	18900	22700	Result*CF
	Lead	1 / 1	87 8	87 8	N/A	105	87 8	87 8	Mean
	RBA Adjusted Lead	1 / 1	103	103	N/A	123	103	103	Mean
	Manganese	1 / 1	919	919	N/A	1100	921	1100	Result*CF
	Thallium	1 / 1	0 21	0 21	N/A	0 252	0 21	0 252	Result*CF
	Vanadium	1 / 1	30 3	30 3	N/A	36 4	30 4	36 4	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-054	Aluminum	1 / 1	22400	22400	N/A	26900	22400	26900	Result*CF
	Antimony	1 / 1	5 91	5 91	N/A	7 09	5 92	7 09	Result*CF
	Arsenic	1 / 1	32 6	32 6	N/A	39 1	32 7	39 1	Result*CF
	RBA Adjusted Arsenic	1 / 1	9 15	9 15	N/A	11	9 17	11	Result*CF
	Cadmium	1 / 1	11 8	11 8	N/A	14 2	11 8	14 2	Result*CF
	Chromium	1 / 1	17 5	17 5	N/A	21	17 5	21	Result*CF
	Cobalt	1 / 1	7 73	7 73	N/A	9 28	7 75	9 28	Result*CF
	Iron	1 / 1	16500	16500	N/A	19800	16500	19800	Result*CF
	Lead	1 / 1	429	429	N/A	515	429	429	Mean
	RBA Adjusted Lead	1 / 1	502	502	N/A	602	502	502	Mean
	Manganese	1 / 1	804	804	N/A	965	806	965	Result*CF
	Thallium	1 / 1	0 44	0 44	N/A	0 528	0 441	0 528	Result*CF
	Vanadium	1 / 1	29 3	29 3	N/A	35 2	29 4	35 2	Result*CF
ADA-055	Aluminum	3 / 3	17200	16900	436	17600	14700	17600	UCL-P
	Antimony	3 / 3	2 51	2 22	0 285	2 7	2 26	2 7	UCL-P
	Arsenic	3 / 3	19 6	19	0 551	20	16 7	20	UCL-P
	RBA Adjusted Arsenic	3 / 3	5 5	5 34	0 155	5 6	4 68	5 6	UCL-P
	Cadmium	3 / 3	8 31	7 37	1 19	9 37	7 83	9 37	UCL-P
	Chromium	3 / 3	15 3	15	0 306	15 5	12 9	15 5	UCL-P
	Cobalt	3 / 3	8 49	7 98	0 671	9 11	7 61	9 11	UCL-P
	Iron	3 / 3	22500	21700	854	23100	19300	23100	UCL-P
	Lead	3 / 3	197	179	20 4	214	179	179	Mean
	RBA Adjusted Lead	3 / 3	230	210	23 9	250	210	210	Mean
	Manganese	3 / 3	1380	1200	155	1460	1220	1460	UCL-P
	Thallium	3 / 3	0 36	0 34	0 0346	0 398	0 333	0 398	UCL-P
	Vanadium	3 / 3	35 5	32 4	2 88	37 3	31 1	37 3	UCL-P
ADA-056	Aluminum	1 / 1	19700	19700	N/A	23600	19700	23600	Result*CF
	Antimony	1 / 1	0 67	0 67	N/A	0 804	0 671	0 804	Result*CF
	Arsenic	1 / 1	9 76	9 76	N/A	11 7	9 78	11 7	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 74	2 74	N/A	3 29	2 75	3 29	Result*CF
	Cadmium	1 / 1	1 49	1 49	N/A	1 79	1 49	1 79	Result*CF
	Chromium	1 / 1	30 8	30 8	N/A	37	30 9	37	Result*CF
	Cobalt	1 / 1	8 92	8 92	N/A	10 7	8 94	10 7	Result*CF
	Iron	1 / 1	21200	21200	N/A	25400	21200	25400	Result*CF
	Lead	1 / 1	72 3	72 3	N/A	86 8	72 3	72 3	Mean
	RBA Adjusted Lead	1 / 1	84 6	84 6	N/A	101	84 6	84 6	Mean
	Manganese	1 / 1	1090	1090	N/A	1310	1090	1310	Result*CF
	Thallium	1 / 1	0 2	0 2	N/A	0 24	0 2	0 24	Result*CF
	Vanadium	1 / 1	33 7	33 7	N/A	40 4	33 8	40 4	Result*CF
ADA-057	Aluminum	1 / 1	18600	18600	N/A	22300	18600	22300	Result*CF
	Antimony	1 / 1	1 46	1 46	N/A	1 75	1 46	1 75	Result*CF
	Arsenic	1 / 1	15 2	15 2	N/A	18 2	15 2	18 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 25	2 25	N/A	2 69	2 25	2 69	Result*CF
	Cadmium	1 / 1	2 99	2 99	N/A	3 59	3	3 59	Result*CF
	Chromium	1 / 1	36 8	36 8	N/A	44 2	36 9	44 2	Result*CF
	Cobalt	1 / 1	11 8	11 8	N/A	14 2	11 8	14 2	Result*CF
	Iron	1 / 1	23500	23500	N/A	28200	23500	28200	Result*CF
	Lead	1 / 1	134	134	N/A	161	134	134	Mean
	RBA Adjusted Lead	1 / 1	132	132	N/A	159	132	132	Mean
	Manganese	1 / 1	786	786	N/A	943	788	943	Result*CF
	Thallium	1 / 1	0 26	0 26	N/A	0 312	0 261	0 312	Result*CF
	Vanadium	1 / 1	46 6	46 6	N/A	55 9	46 7	55 9	Result*CF
ADA-058	Aluminum	1 / 1	16200	16200	N/A	19400	16200	19400	Result*CF
	Antimony	1 / 1	0 53	0 53	N/A	0 636	0 531	0 636	Result*CF
	Arsenic	1 / 1	6 4	6 4	N/A	7 68	6 41	7 68	Result*CF
	RBA Adjusted Arsenic	1 / 1	1 8	1 8	N/A	2 16	1 8	2 16	Result*CF
	Cadmium	1 / 1	1 48	1 48	N/A	1 78	1 48	1 78	Result*CF
	Chromium	1 / 1	18 4	18 4	N/A	22 1	18 4	22 1	Result*CF
	Cobalt	1 / 1	8	8	N/A	9 6	8 02	9 6	Result*CF
	Iron	1 / 1	20000	20000	N/A	24000	20000	24000	Result*CF
	Lead	1 / 1	79 9	79 9	N/A	95 9	79 9	79 9	Mean
	RBA Adjusted Lead	1 / 1	93 5	93 5	N/A	112	93 5	93 5	Mean
	Manganese	1 / 1	799	799	N/A	959	801	959	Result*CF
	Thallium	1 / 1	0 16	0 16	N/A	0 192	0 16	0 192	Result*CF
	Vanadium	1 / 1	19	19	N/A	22 8	19	22 8	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-059	Aluminum	1 / 1	17400	17400	N/A	20900	17400	20900	Result*CF
	Antimony	1 / 1	1 35	1 35	N/A	1 62	1 35	1 62	Result*CF
	Arsenic	1 / 1	9 78	9 78	N/A	11 7	9 8	11 7	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 43	2 43	N/A	2 92	2 44	2 92	Result*CF
	Cadmium	1 / 1	2 7	2 7	N/A	3 24	2 71	3 24	Result*CF
	Chromium	1 / 1	30 4	30 4	N/A	36 5	30 5	36 5	Result*CF
	Cobalt	1 / 1	9 47	9 47	N/A	11 4	9 49	11 4	Result*CF
	Iron	1 / 1	22500	22500	N/A	27000	22500	27000	Result*CF
	Lead	1 / 1	129	129	N/A	155	129	129	Mean
	RBA Adjusted Lead	1 / 1	143	143	N/A	172	143	143	Mean
	Manganese	1 / 1	1190	1190	N/A	1430	1190	1430	Result*CF
	Thallium	1 / 1	0 25	0 25	N/A	0 3	0 251	0 3	Result*CF
	Vanadium	1 / 1	34 3	34 3	N/A	41 2	34 4	41 2	Result*CF
ADA-060	Aluminum	3 / 3	21100	20600	643	21700	18100	21700	UCL-P
	Antimony	3 / 3	4 46	3 94	0 452	4 7	3 93	4 7	UCL-P
	Arsenic	3 / 3	35	31 8	3 48	37 7	31 5	37 7	UCL-P
	RBA Adjusted Arsenic	3 / 3	9 83	8 94	0 978	10 6	8 84	10 6	UCL-P
	Cadmium	3 / 3	11 2	10 4	0 725	11 6	9 7	11 6	UCL-P
	Chromium	3 / 3	37 4	33 9	3 19	39 2	32 8	39 2	UCL-P
	Cobalt	3 / 3	14 8	13 5	1 42	15 9	13 3	15 9	UCL-P
	Iron	3 / 3	24400	23700	833	25100	21000	25100	UCL-P
	Lead	3 / 3	440	406	38 5	471	406	406	Mean
	RBA Adjusted Lead	3 / 3	515	475	45 1	551	475	475	Mean
	Manganese	3 / 3	1100	1050	47 3	1130	940	1130	UCL-P
	Thallium	3 / 3	0 54	0 52	0 0265	0 565	0 471	0 565	UCL-P
	Vanadium	3 / 3	39 7	37 8	1 68	40 6	33 9	40 6	UCL-P
ADA-061	Aluminum	1 / 1	22200	22200	N/A	26600	22200	26600	Result*CF
	Antimony	1 / 1	0 66	0 66	N/A	0 792	0 661	0 792	Result*CF
	Arsenic	1 / 1	15 3	15 3	N/A	18 4	15 3	18 4	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 34	2 34	N/A	2 81	2 35	2 81	Result*CF
	Cadmium	1 / 1	2 17	2 17	N/A	2 6	2 17	2 6	Result*CF
	Chromium	1 / 1	65 5	65 5	N/A	78 6	65 6	78 6	Result*CF
	Cobalt	1 / 1	13 1	13 1	N/A	15 7	13 1	15 7	Result*CF
	Iron	1 / 1	25500	25500	N/A	30600	25600	30600	Result*CF
	Lead	1 / 1	137	137	N/A	164	137	137	Mean
	RBA Adjusted Lead	1 / 1	124	124	N/A	149	124	124	Mean
	Manganese	1 / 1	1530	1530	N/A	1840	1530	1840	Result*CF
	Thallium	1 / 1	0 3	0 3	N/A	0 36	0 301	0 36	Result*CF
	Vanadium	1 / 1	39 2	39 2	N/A	47	39 3	47	Result*CF
ADA-062	Aluminum	1 / 1	19200	19200	N/A	23000	19200	23000	Result*CF
	Antimony	1 / 1	2 52	2 52	N/A	3 02	2 53	3 02	Result*CF
	Arsenic	1 / 1	21	21	N/A	25 2	21	25 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 9	5 9	N/A	7 07	5 91	7 07	Result*CF
	Cadmium	1 / 1	6 61	6 61	N/A	7 93	6 62	7 93	Result*CF
	Chromium	1 / 1	24 4	24 4	N/A	29 3	24 4	29 3	Result*CF
	Cobalt	1 / 1	8 13	8 13	N/A	9 76	8 15	9 76	Result*CF
	Iron	1 / 1	19100	19100	N/A	22900	19100	22900	Result*CF
	Lead	1 / 1	296	296	N/A	355	296	296	Mean
	RBA Adjusted Lead	1 / 1	346	346	N/A	416	346	346	Mean
	Manganese	1 / 1	794	794	N/A	953	796	953	Result*CF
	Thallium	1 / 1	0 37	0 37	N/A	0 444	0 371	0 444	Result*CF
	Vanadium	1 / 1	33 3	33 3	N/A	40	33 4	40	Result*CF
ADA-063	Aluminum	1 / 1	15800	15800	N/A	19000	15800	19000	Result*CF
	Antimony	1 / 1	1 35	1 35	N/A	1 62	1 35	1 62	Result*CF
	Arsenic	1 / 1	12 6	12 6	N/A	15 1	12 6	15 1	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 54	3 54	N/A	4 24	3 54	4 24	Result*CF
	Cadmium	1 / 1	4 84	4 84	N/A	5 81	4 85	5 81	Result*CF
	Chromium	1 / 1	15 2	15 2	N/A	18 2	15 2	18 2	Result*CF
	Cobalt	1 / 1	7 91	7 91	N/A	9 49	7 93	9 49	Result*CF
	Iron	1 / 1	17800	17800	N/A	21400	17800	21400	Result*CF
	Lead	1 / 1	124	124	N/A	149	124	124	Mean
	RBA Adjusted Lead	1 / 1	145	145	N/A	174	145	145	Mean
	Manganese	1 / 1	1010	1010	N/A	1210	1010	1210	Result*CF
	Thallium	1 / 1	0 22	0 22	N/A	0 264	0 22	0 264	Result*CF
	Vanadium	1 / 1	25 1	25 1	N/A	30 1	25 2	30 1	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-064	Aluminum	1 / 1	17900	17900	N/A	21500	17900	21500	Result*CF
	Antimony	1 / 1	0 88	0 88	N/A	1 06	0 882	1 06	Result*CF
	Arsenic	1 / 1	14 9	14 9	N/A	17 9	14 9	17 9	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 18	4 18	N/A	5 02	4 19	5 02	Result*CF
	Cadmium	1 / 1	2 26	2 26	N/A	2 71	2 26	2 71	Result*CF
	Chromium	1 / 1	38 4	38 4	N/A	46 1	38 5	46 1	Result*CF
	Cobalt	1 / 1	11	11	N/A	13 2	11	13 2	Result*CF
	Iron	1 / 1	24200	24200	N/A	29000	24200	29000	Result*CF
	Lead	1 / 1	142	142	N/A	170	142	142	Mean
	RBA Adjusted Lead	1 / 1	166	166	N/A	199	166	166	Mean
	Manganese	1 / 1	1500	1500	N/A	1800	1500	1800	Result*CF
	Thallium	1 / 1	0 29	0 29	N/A	0 348	0 291	0 348	Result*CF
	Vanadium	1 / 1	32 2	32 2	N/A	38 6	32 3	38 6	Result*CF
ADA-065	Aluminum	1 / 1	16800	16800	N/A	20200	16800	20200	Result*CF
	Antimony	1 / 1	4 33	4 33	N/A	5 2	4 34	5 2	Result*CF
	Arsenic	1 / 1	21	21	N/A	25 2	21	25 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 9	5 9	N/A	7 07	5 91	7 07	Result*CF
	Cadmium	1 / 1	7 19	7 19	N/A	8 63	7 2	8 63	Result*CF
	Chromium	1 / 1	17 7	17 7	N/A	21 2	17 7	21 2	Result*CF
	Cobalt	1 / 1	6 68	6 68	N/A	8 02	6 69	8 02	Result*CF
	Iron	1 / 1	16600	16600	N/A	19900	16600	19900	Result*CF
	Lead	1 / 1	327	327	N/A	392	327	327	Mean
	RBA Adjusted Lead	1 / 1	383	383	N/A	459	383	383	Mean
	Manganese	1 / 1	901	901	N/A	1080	903	1080	Result*CF
	Thallium	1 / 1	0 38	0 38	N/A	0 456	0 381	0 456	Result*CF
	Vanadium	1 / 1	30 8	30 8	N/A	37	30 9	37	Result*CF
ADA-066	Aluminum	1 / 1	11900	11900	N/A	14300	11900	14300	Result*CF
	Antimony	1 / 1	1 54	1 54	N/A	1 85	1 54	1 85	Result*CF
	Arsenic	1 / 1	11 6	11 6	N/A	13 9	11 6	13 9	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 26	3 26	N/A	3 91	3 26	3 91	Result*CF
	Cadmium	1 / 1	3 45	3 45	N/A	4 14	3 46	4 14	Result*CF
	Chromium	1 / 1	20 9	20 9	N/A	25 1	20 9	25 1	Result*CF
	Cobalt	1 / 1	6 15	6 15	N/A	7 38	6 16	7 38	Result*CF
	Iron	1 / 1	16100	16100	N/A	19300	16100	19300	Result*CF
	Lead	1 / 1	143	143	N/A	172	143	143	Mean
	RBA Adjusted Lead	1 / 1	167	167	N/A	201	167	167	Mean
	Manganese	1 / 1	600	600	N/A	720	601	720	Result*CF
	Thallium	1 / 1	0 22	0 22	N/A	0 264	0 22	0 264	Result*CF
	Vanadium	1 / 1	25 7	25 7	N/A	30 8	25 8	30 8	Result*CF
ADA-067	Aluminum	1 / 1	17700	17700	N/A	21200	17700	21200	Result*CF
	Antimony	1 / 1	0 95	0 95	N/A	1 14	0 952	1 14	Result*CF
	Arsenic	1 / 1	10 2	10 2	N/A	12 2	10 2	12 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 86	2 86	N/A	3 44	2 87	3 44	Result*CF
	Cadmium	1 / 1	6 11	6 11	N/A	7 33	6 12	7 33	Result*CF
	Chromium	1 / 1	20 4	20 4	N/A	24 5	20 4	24 5	Result*CF
	Cobalt	1 / 1	9 2	9 2	N/A	11	9 22	11	Result*CF
	Iron	1 / 1	21800	21800	N/A	26200	21800	26200	Result*CF
	Lead	1 / 1	91 3	91 3	N/A	110	91 3	91 3	Mean
	RBA Adjusted Lead	1 / 1	107	107	N/A	128	107	107	Mean
	Manganese	1 / 1	964	964	N/A	1160	966	1160	Result*CF
	Thallium	1 / 1	0 21	0 21	N/A	0 252	0 21	0 252	Result*CF
	Vanadium	1 / 1	30	30	N/A	36	30 1	36	Result*CF
ADA-070	Aluminum	1 / 1	21200	21200	N/A	25400	21200	25400	Result*CF
	Antimony	1 / 1	2 8	2 8	N/A	3 36	2 81	3 36	Result*CF
	Arsenic	1 / 1	21 3	21 3	N/A	25 6	21 3	25 6	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 98	5 98	N/A	7 18	5 99	7 18	Result*CF
	Cadmium	1 / 1	4 21	4 21	N/A	5 05	4 22	5 05	Result*CF
	Chromium	1 / 1	27 6	27 6	N/A	33 1	27 7	33 1	Result*CF
	Cobalt	1 / 1	8 41	8 41	N/A	10 1	8 43	10 1	Result*CF
	Iron	1 / 1	19100	19100	N/A	22900	19100	22900	Result*CF
	Lead	1 / 1	208	208	N/A	250	208	208	Mean
	RBA Adjusted Lead	1 / 1	243	243	N/A	292	243	243	Mean
	Manganese	1 / 1	751	751	N/A	901	753	901	Result*CF
	Thallium	1 / 1	0 32	0 32	N/A	0 384	0 321	0 384	Result*CF
	Vanadium	1 / 1	37	37	N/A	44 4	37 1	44 4	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-071	Aluminum	1 / 1	14500	14500	N/A	17400	14500	17400	Result*CF
	Antimony	1 / 1	2 78	2 78	N/A	3 34	2 79	3 34	Result*CF
	Arsenic	1 / 1	16 3	16 3	N/A	19 6	16 3	19 6	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 58	4 58	N/A	5 49	4 59	5 49	Result*CF
	Cadmium	1 / 1	4 23	4 23	N/A	5 08	4 24	5 08	Result*CF
	Chromium	1 / 1	23 4	23 4	N/A	28 1	23 4	28 1	Result*CF
	Cobalt	1 / 1	6 66	6 66	N/A	7 99	6 67	7 99	Result*CF
	Iron	1 / 1	18000	18000	N/A	21600	18000	21600	Result*CF
	Lead	1 / 1	235	235	N/A	282	235	235	Mean
	RBA Adjusted Lead	1 / 1	275	275	N/A	330	275	275	Mean
	Manganese	1 / 1	726	726	N/A	871	727	871	Result*CF
	Thallium	1 / 1	0 31	0 31	N/A	0 372	0 311	0 372	Result*CF
	Vanadium	1 / 1	32 5	32 5	N/A	39	32 6	39	Result*CF
ADA-073	Aluminum	1 / 1	16500	16500	N/A	19800	16500	19800	Result*CF
	Antimony	1 / 1	4 26	4 26	N/A	5 11	4 27	5 11	Result*CF
	Arsenic	1 / 1	23 4	23 4	N/A	28 1	23 4	28 1	Result*CF
	RBA Adjusted Arsenic	1 / 1	6 57	6 57	N/A	7 88	6 58	7 88	Result*CF
	Cadmium	1 / 1	4 26	4 26	N/A	5 11	4 27	5 11	Result*CF
	Chromium	1 / 1	22 5	22 5	N/A	27	22 5	27	Result*CF
	Cobalt	1 / 1	6 56	6 56	N/A	7 87	6 57	7 87	Result*CF
	Iron	1 / 1	16700	16700	N/A	20000	16700	20000	Result*CF
	Lead	1 / 1	265	265	N/A	318	265	265	Mean
	RBA Adjusted Lead	1 / 1	310	310	N/A	372	310	310	Mean
	Manganese	1 / 1	711	711	N/A	853	712	853	Result*CF
	Thallium	1 / 1	0 3	0 3	N/A	0 36	0 301	0 36	Result*CF
	Vanadium	1 / 1	31 4	31 4	N/A	37 7	31 5	37 7	Result*CF
ADA-076	Aluminum	1 / 1	20900	20900	N/A	25100	20900	25100	Result*CF
	Antimony	1 / 1	3 16	3 16	N/A	3 79	3 17	3 79	Result*CF
	Arsenic	1 / 1	22 1	22 1	N/A	26 5	22 1	26 5	Result*CF
	RBA Adjusted Arsenic	1 / 1	8 15	8 15	N/A	9 78	8 17	9 78	Result*CF
	Cadmium	1 / 1	7 69	7 69	N/A	9 23	7 71	9 23	Result*CF
	Chromium	1 / 1	21 9	21 9	N/A	26 3	21 9	26 3	Result*CF
	Cobalt	1 / 1	7 26	7 26	N/A	8 71	7 27	8 71	Result*CF
	Iron	1 / 1	18400	18400	N/A	22100	18400	22100	Result*CF
	Lead	1 / 1	215	215	N/A	258	215	215	Mean
	RBA Adjusted Lead	1 / 1	286	286	N/A	343	286	286	Mean
	Manganese	1 / 1	639	639	N/A	767	640	767	Result*CF
	Thallium	1 / 1	0 29	0 29	N/A	0 348	0 291	0 348	Result*CF
	Vanadium	1 / 1	30	30	N/A	36	30 1	36	Result*CF
ADA-078	Aluminum	1 / 1	16000	16000	N/A	19200	16000	19200	Result*CF
	Antimony	1 / 1	2 93	2 93	N/A	3 52	2 94	3 52	Result*CF
	Arsenic	1 / 1	21 4	21 4	N/A	25 7	21 4	25 7	Result*CF
	RBA Adjusted Arsenic	1 / 1	6 01	6 01	N/A	7 21	6 02	7 21	Result*CF
	Cadmium	1 / 1	4 53	4 53	N/A	5 44	4 54	5 44	Result*CF
	Chromium	1 / 1	25 1	25 1	N/A	30 1	25 2	30 1	Result*CF
	Cobalt	1 / 1	7 55	7 55	N/A	9 06	7 57	9 06	Result*CF
	Iron	1 / 1	18900	18900	N/A	22700	18900	22700	Result*CF
	Lead	1 / 1	218	218	N/A	262	218	218	Mean
	RBA Adjusted Lead	1 / 1	255	255	N/A	306	255	255	Mean
	Manganese	1 / 1	939	939	N/A	1130	941	1130	Result*CF
	Thallium	1 / 1	0 32	0 32	N/A	0 384	0 321	0 384	Result*CF
	Vanadium	1 / 1	37 1	37 1	N/A	44 5	37 2	44 5	Result*CF
ADA-079	Aluminum	1 / 1	15700	15700	N/A	18800	15700	18800	Result*CF
	Antimony	1 / 1	1 95	1 95	N/A	2 34	1 95	2 34	Result*CF
	Arsenic	1 / 1	12 4	12 4	N/A	14 9	12 4	14 9	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 48	3 48	N/A	4 18	3 49	4 18	Result*CF
	Cadmium	1 / 1	7 76	7 76	N/A	9 31	7 78	9 31	Result*CF
	Chromium	1 / 1	19 8	19 8	N/A	23 8	19 8	23 8	Result*CF
	Cobalt	1 / 1	5 85	5 85	N/A	7 02	5 86	7 02	Result*CF
	Iron	1 / 1	13600	13600	N/A	16300	13600	16300	Result*CF
	Lead	1 / 1	128	128	N/A	154	128	128	Mean
	RBA Adjusted Lead	1 / 1	150	150	N/A	180	150	150	Mean
	Manganese	1 / 1	659	659	N/A	791	660	791	Result*CF
	Thallium	1 / 1	0 2	0 2	N/A	0 24	0 2	0 24	Result*CF
	Vanadium	1 / 1	29 1	29 1	N/A	34 9	29 2	34 9	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-081	Aluminum	1 / 1	15100	15100	N/A	18100	15100	18100	Result*CF
	Antimony	1 / 1	2 76	2 76	N/A	3 31	2 77	3 31	Result*CF
	Arsenic	1 / 1	18 5	18 5	N/A	22 2	18 5	22 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 52	4 52	N/A	5 42	4 52	5 42	Result*CF
	Cadmium	1 / 1	2 88	2 88	N/A	3 46	2 89	3 46	Result*CF
	Chromium	1 / 1	34 8	34 8	N/A	41 8	34 9	41 8	Result*CF
	Cobalt	1 / 1	8 06	8 06	N/A	9 67	8 08	9 67	Result*CF
	Iron	1 / 1	22900	22900	N/A	27500	22900	27500	Result*CF
	Lead	1 / 1	166	166	N/A	199	166	166	Mean
	RBA Adjusted Lead	1 / 1	187	187	N/A	224	187	187	Mean
	Manganese	1 / 1	815	815	N/A	978	817	978	Result*CF
	Thallium	1 / 1	0 23	0 23	N/A	0 276	0 23	0 276	Result*CF
	Vanadium	1 / 1	51 2	51 2	N/A	61 4	51 3	61 4	Result*CF
ADA-082	Aluminum	1 / 1	16600	16600	N/A	19900	16600	19900	Result*CF
	Antimony	1 / 1	1 93	1 93	N/A	2 32	1 93	2 32	Result*CF
	Arsenic	1 / 1	14 7	14 7	N/A	17 6	14 7	17 6	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 13	4 13	N/A	4 95	4 14	4 95	Result*CF
	Cadmium	1 / 1	3	3	N/A	3 6	3 01	3 6	Result*CF
	Chromium	1 / 1	24 9	24 9	N/A	29 9	24 9	29 9	Result*CF
	Cobalt	1 / 1	7 84	7 84	N/A	9 41	7 86	9 41	Result*CF
	Iron	1 / 1	17000	17000	N/A	20400	17000	20400	Result*CF
	Lead	1 / 1	169	169	N/A	203	169	169	Mean
	RBA Adjusted Lead	1 / 1	198	198	N/A	237	198	198	Mean
	Manganese	1 / 1	643	643	N/A	772	644	772	Result*CF
	Thallium	1 / 1	0 23	0 23	N/A	0 276	0 23	0 276	Result*CF
	Vanadium	1 / 1	30 4	30 4	N/A	36 5	30 5	36 5	Result*CF
ADA-084	Aluminum	1 / 1	17600	17600	N/A	21100	17600	21100	Result*CF
	Antimony	1 / 1	1 66	1 66	N/A	1 99	1 66	1 99	Result*CF
	Arsenic	1 / 1	13 1	13 1	N/A	15 7	13 1	15 7	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 68	3 68	N/A	4 41	3 69	4 41	Result*CF
	Cadmium	1 / 1	2 94	2 94	N/A	3 53	2 95	3 53	Result*CF
	Chromium	1 / 1	22 8	22 8	N/A	27 4	22 8	27 4	Result*CF
	Cobalt	1 / 1	9 35	9 35	N/A	11 2	9 37	11 2	Result*CF
	Iron	1 / 1	21400	21400	N/A	25700	21400	25700	Result*CF
	Lead	1 / 1	158	158	N/A	190	158	158	Mean
	RBA Adjusted Lead	1 / 1	185	185	N/A	222	185	185	Mean
	Manganese	1 / 1	1160	1160	N/A	1390	1160	1390	Result*CF
	Thallium	1 / 1	0 24	0 24	N/A	0 288	0 24	0 288	Result*CF
	Vanadium	1 / 1	28 9	28 9	N/A	34 7	29	34 7	Result*CF
ADA-085	Aluminum	1 / 1	16700	16700	N/A	20000	16700	20000	Result*CF
	Antimony	1 / 1	1 27	1 27	N/A	1 52	1 27	1 52	Result*CF
	Arsenic	1 / 1	11	11	N/A	13 2	11	13 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 09	3 09	N/A	3 71	3 09	3 71	Result*CF
	Cadmium	1 / 1	3 34	3 34	N/A	4 01	3 35	4 01	Result*CF
	Chromium	1 / 1	18 6	18 6	N/A	22 3	18 6	22 3	Result*CF
	Cobalt	1 / 1	7 66	7 66	N/A	9 19	7 68	9 19	Result*CF
	Iron	1 / 1	20400	20400	N/A	24500	20400	24500	Result*CF
	Lead	1 / 1	125	125	N/A	150	125	125	Mean
	RBA Adjusted Lead	1 / 1	146	146	N/A	175	146	146	Mean
	Manganese	1 / 1	845	845	N/A	1010	847	1010	Result*CF
	Thallium	1 / 1	0 28	0 28	N/A	0 336	0 281	0 336	Result*CF
	Vanadium	1 / 1	32 4	32 4	N/A	38 9	32 5	38 9	Result*CF
ADA-088	Aluminum	1 / 1	17500	17500	N/A	21000	17500	21000	Result*CF
	Antimony	1 / 1	2 91	2 91	N/A	3 49	2 92	3 49	Result*CF
	Arsenic	1 / 1	21 8	21 8	N/A	26 2	21 8	26 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	6 12	6 12	N/A	7 34	6 13	7 34	Result*CF
	Cadmium	1 / 1	6 32	6 32	N/A	7 58	6 33	7 58	Result*CF
	Chromium	1 / 1	35 8	35 8	N/A	43	35 9	43	Result*CF
	Cobalt	1 / 1	12 9	12 9	N/A	15 5	12 9	15 5	Result*CF
	Iron	1 / 1	24400	24400	N/A	29300	24400	29300	Result*CF
	Lead	1 / 1	278	278	N/A	334	278	278	Mean
	RBA Adjusted Lead	1 / 1	325	325	N/A	390	325	325	Mean
	Manganese	1 / 1	1490	1490	N/A	1790	1490	1790	Result*CF
	Thallium	1 / 1	0 33	0 33	N/A	0 396	0 331	0 396	Result*CF
	Vanadium	1 / 1	35 4	35 4	N/A	42 5	35 5	42 5	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-089	Aluminum	1 / 1	20100	20100	N/A	24100	20100	24100	Result*CF
	Antimony	1 / 1	2 96	2 96	N/A	3 55	2 97	3 55	Result*CF
	Arsenic	1 / 1	27 4	27 4	N/A	32 9	27 5	32 9	Result*CF
	RBA Adjusted Arsenic	1 / 1	7 69	7 69	N/A	9 23	7 71	9 23	Result*CF
	Cadmium	1 / 1	5 48	5 48	N/A	6 58	5 49	6 58	Result*CF
	Chromium	1 / 1	23 6	23 6	N/A	28 3	23 6	28 3	Result*CF
	Cobalt	1 / 1	10 9	10 9	N/A	13 1	10 9	13 1	Result*CF
	Iron	1 / 1	23000	23000	N/A	27600	23000	27600	Result*CF
	Lead	1 / 1	281	281	N/A	337	281	281	Mean
	RBA Adjusted Lead	1 / 1	329	329	N/A	394	329	329	Mean
	Manganese	1 / 1	1510	1510	N/A	1810	1510	1810	Result*CF
	Thallium	1 / 1	0 31	0 31	N/A	0 372	0 311	0 372	Result*CF
	Vanadium	1 / 1	29 1	29 1	N/A	34 9	29 2	34 9	Result*CF
ADA-090	Aluminum	1 / 1	17700	17700	N/A	21200	17700	21200	Result*CF
	Antimony	1 / 1	2 39	2 39	N/A	2 87	2 39	2 87	Result*CF
	Arsenic	1 / 1	12 7	12 7	N/A	15 2	12 7	15 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 57	3 57	N/A	4 28	3 57	4 28	Result*CF
	Cadmium	1 / 1	5 14	5 14	N/A	6 17	5 15	6 17	Result*CF
	Chromium	1 / 1	25	25	N/A	30	25 1	30	Result*CF
	Cobalt	1 / 1	8 38	8 38	N/A	10 1	8 4	10 1	Result*CF
	Iron	1 / 1	19600	19600	N/A	23500	19600	23500	Result*CF
	Lead	1 / 1	216	216	N/A	259	216	216	Mean
	RBA Adjusted Lead	1 / 1	253	253	N/A	303	253	253	Mean
	Manganese	1 / 1	1210	1210	N/A	1450	1210	1450	Result*CF
	Thallium	1 / 1	0 3	0 3	N/A	0 36	0 301	0 36	Result*CF
	Vanadium	1 / 1	32 4	32 4	N/A	38 9	32 5	38 9	Result*CF
ADA-091	Aluminum	1 / 1	17900	17900	N/A	21500	17900	21500	Result*CF
	Antimony	1 / 1	2 35	2 35	N/A	2 82	2 35	2 82	Result*CF
	Arsenic	1 / 1	21 8	21 8	N/A	26 2	21 8	26 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	6 12	6 12	N/A	7 34	6 13	7 34	Result*CF
	Cadmium	1 / 1	6 16	6 16	N/A	7 39	6 17	7 39	Result*CF
	Chromium	1 / 1	26 4	26 4	N/A	31 7	26 5	31 7	Result*CF
	Cobalt	1 / 1	8 84	8 84	N/A	10 6	8 86	10 6	Result*CF
	Iron	1 / 1	18400	18400	N/A	22100	18400	22100	Result*CF
	Lead	1 / 1	240	240	N/A	288	240	240	Mean
	RBA Adjusted Lead	1 / 1	281	281	N/A	337	281	281	Mean
	Manganese	1 / 1	889	889	N/A	1070	891	1070	Result*CF
	Thallium	1 / 1	0 32	0 32	N/A	0 384	0 321	0 384	Result*CF
	Vanadium	1 / 1	29 9	29 9	N/A	35 9	30	35 9	Result*CF
ADA-092	Aluminum	1 / 1	18500	18500	N/A	22200	18500	22200	Result*CF
	Antimony	1 / 1	1 56	1 56	N/A	1 87	1 56	1 87	Result*CF
	Arsenic	1 / 1	21 7	21 7	N/A	26	21 7	26	Result*CF
	RBA Adjusted Arsenic	1 / 1	6 09	6 09	N/A	7 31	6 1	7 31	Result*CF
	Cadmium	1 / 1	5 71	5 71	N/A	6 85	5 72	6 85	Result*CF
	Chromium	1 / 1	22 2	22 2	N/A	26 6	22 2	26 6	Result*CF
	Cobalt	1 / 1	8 14	8 14	N/A	9 77	8 16	9 77	Result*CF
	Iron	1 / 1	19100	19100	N/A	22900	19100	22900	Result*CF
	Lead	1 / 1	191	191	N/A	229	191	191	Mean
	RBA Adjusted Lead	1 / 1	223	223	N/A	268	223	223	Mean
	Manganese	1 / 1	1130	1130	N/A	1360	1130	1360	Result*CF
	Thallium	1 / 1	0 3	0 3	N/A	0 36	0 301	0 36	Result*CF
	Vanadium	1 / 1	25 5	25 5	N/A	30 6	25 6	30 6	Result*CF
ADA-093	Aluminum	1 / 1	21800	21800	N/A	26200	21800	26200	Result*CF
	Antimony	1 / 1	1 4	1 4	N/A	1 68	1 4	1 68	Result*CF
	Arsenic	1 / 1	18 4	18 4	N/A	22 1	18 4	22 1	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 17	5 17	N/A	6 2	5 18	6 2	Result*CF
	Cadmium	1 / 1	3 1	3 1	N/A	3 72	3 11	3 72	Result*CF
	Chromium	1 / 1	16 1	16 1	N/A	19 3	16 1	19 3	Result*CF
	Cobalt	1 / 1	7 09	7 09	N/A	8 51	7 1	8 51	Result*CF
	Iron	1 / 1	18100	18100	N/A	21700	18100	21700	Result*CF
	Lead	1 / 1	155	155	N/A	186	155	155	Mean
	RBA Adjusted Lead	1 / 1	181	181	N/A	218	181	181	Mean
	Manganese	1 / 1	1240	1240	N/A	1490	1240	1490	Result*CF
	Thallium	1 / 1	0 25	0 25	N/A	0 3	0 251	0 3	Result*CF
	Vanadium	1 / 1	25 4	25 4	N/A	30 5	25 5	30 5	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-094	Aluminum	1 / 1	17800	17800	N/A	21400	17800	21400	Result*CF
	Antimony	1 / 1	1 04	1 04	N/A	1 25	1 04	1 25	Result*CF
	Arsenic	1 / 1	13 2	13 2	N/A	15 8	13 2	15 8	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 71	3 71	N/A	4 45	3 71	4 45	Result*CF
	Cadmium	1 / 1	1 55	1 55	N/A	1 86	1 55	1 86	Result*CF
	Chromium	1 / 1	22 8	22 8	N/A	27 4	22 8	27 4	Result*CF
	Cobalt	1 / 1	7 73	7 73	N/A	9 28	7 75	9 28	Result*CF
	Iron	1 / 1	19800	19800	N/A	23800	19800	23800	Result*CF
	Lead	1 / 1	85 2	85 2	N/A	102	85 2	85 2	Mean
	RBA Adjusted Lead	1 / 1	99 7	99 7	N/A	120	99 7	99 7	Mean
	Manganese	1 / 1	756	756	N/A	907	758	907	Result*CF
	Thallium	1 / 1	0 17	0 17	N/A	0 204	0 17	0 204	Result*CF
	Vanadium	1 / 1	31 6	31 6	N/A	37 9	31 7	37 9	Result*CF
ADA-095	Aluminum	1 / 1	20400	20400	N/A	24500	20400	24500	Result*CF
	Antimony	1 / 1	1 72	1 72	N/A	2 06	1 72	2 06	Result*CF
	Arsenic	1 / 1	19 2	19 2	N/A	23	19 2	23	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 39	5 39	N/A	6 47	5 4	6 47	Result*CF
	Cadmium	1 / 1	2 38	2 38	N/A	2 86	2 38	2 86	Result*CF
	Chromium	1 / 1	28 9	28 9	N/A	34 7	29	34 7	Result*CF
	Cobalt	1 / 1	10 6	10 6	N/A	12 7	10 6	12 7	Result*CF
	Iron	1 / 1	22200	22200	N/A	26600	22200	26600	Result*CF
	Lead	1 / 1	140	140	N/A	168	140	140	Mean
	RBA Adjusted Lead	1 / 1	164	164	N/A	197	164	164	Mean
	Manganese	1 / 1	1110	1110	N/A	1330	1110	1330	Result*CF
	Thallium	1 / 1	0 21	0 21	N/A	0 252	0 21	0 252	Result*CF
	Vanadium	1 / 1	32 7	32 7	N/A	39 2	32 8	39 2	Result*CF
ADA-096	Aluminum	1 / 1	16200	16200	N/A	19400	16200	19400	Result*CF
	Antimony	1 / 1	2 54	2 54	N/A	3 05	2 55	3 05	Result*CF
	Arsenic	1 / 1	17 6	17 6	N/A	21 1	17 6	21 1	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 13	5 13	N/A	6 16	5 14	6 16	Result*CF
	Cadmium	1 / 1	5 41	5 41	N/A	6 49	5 42	6 49	Result*CF
	Chromium	1 / 1	16 2	16 2	N/A	19 4	16 2	19 4	Result*CF
	Cobalt	1 / 1	7 26	7 26	N/A	8 71	7 27	8 71	Result*CF
	Iron	1 / 1	17400	17400	N/A	20900	17400	20900	Result*CF
	Lead	1 / 1	287	287	N/A	344	287	287	Mean
	RBA Adjusted Lead	1 / 1	364	364	N/A	437	364	364	Mean
	Manganese	1 / 1	1160	1160	N/A	1390	1160	1390	Result*CF
	Thallium	1 / 1	0 28	0 28	N/A	0 336	0 281	0 336	Result*CF
	Vanadium	1 / 1	23 1	23 1	N/A	27 7	23 1	27 7	Result*CF
ADA-097	Aluminum	1 / 1	17300	17300	N/A	20800	17300	20800	Result*CF
	Antimony	1 / 1	4 52	4 52	N/A	5 42	4 53	5 42	Result*CF
	Arsenic	1 / 1	26 6	26 6	N/A	31 9	26 7	31 9	Result*CF
	RBA Adjusted Arsenic	1 / 1	7 47	7 47	N/A	8 96	7 48	8 96	Result*CF
	Cadmium	1 / 1	10	10	N/A	12	10	12	Result*CF
	Chromium	1 / 1	28	28	N/A	33 6	28 1	33 6	Result*CF
	Cobalt	1 / 1	9 63	9 63	N/A	11 6	9 65	11 6	Result*CF
	Iron	1 / 1	19300	19300	N/A	23200	19300	23200	Result*CF
	Lead	1 / 1	456	456	N/A	547	456	456	Mean
	RBA Adjusted Lead	1 / 1	533	533	N/A	640	533	533	Mean
	Manganese	1 / 1	1340	1340	N/A	1610	1340	1610	Result*CF
	Thallium	1 / 1	0 42	0 42	N/A	0 504	0 421	0 504	Result*CF
	Vanadium	1 / 1	27 9	27 9	N/A	33 5	28	33 5	Result*CF
ADA-099	Aluminum	1 / 1	23100	23100	N/A	27700	23100	27700	Result*CF
	Antimony	1 / 1	2 34	2 34	N/A	2 81	2 34	2 81	Result*CF
	Arsenic	1 / 1	23 9	23 9	N/A	28 7	23 9	28 7	Result*CF
	RBA Adjusted Arsenic	1 / 1	6 71	6 71	N/A	8 05	6 72	8 05	Result*CF
	Cadmium	1 / 1	4 4	4 4	N/A	5 28	4 41	5 28	Result*CF
	Chromium	1 / 1	27 1	27 1	N/A	32 5	27 2	32 5	Result*CF
	Cobalt	1 / 1	9 96	9 96	N/A	12	9 98	12	Result*CF
	Iron	1 / 1	20500	20500	N/A	24600	20500	24600	Result*CF
	Lead	1 / 1	220	220	N/A	264	220	220	Mean
	RBA Adjusted Lead	1 / 1	257	257	N/A	309	257	257	Mean
	Manganese	1 / 1	1340	1340	N/A	1610	1340	1610	Result*CF
	Thallium	1 / 1	0 32	0 32	N/A	0 384	0 321	0 384	Result*CF
	Vanadium	1 / 1	33 5	33 5	N/A	40 2	33 6	40 2	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-101	Aluminum	1 / 1	16600	16600	N/A	19900	16600	19900	Result*CF
	Antimony	1 / 1	3 15	3 15	N/A	3 78	3 16	3 78	Result*CF
	Arsenic	1 / 1	15 7	15 7	N/A	18 8	15 7	18 8	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 41	4 41	N/A	5 29	4 42	5 29	Result*CF
	Cadmium	1 / 1	2 99	2 99	N/A	3 59	3	3 59	Result*CF
	Chromium	1 / 1	22 7	22 7	N/A	27 2	22 7	27 2	Result*CF
	Cobalt	1 / 1	7 87	7 87	N/A	9 44	7 89	9 44	Result*CF
	Iron	1 / 1	18800	18800	N/A	22600	18800	22600	Result*CF
	Lead	1 / 1	192	192	N/A	230	192	192	Mean
	RBA Adjusted Lead	1 / 1	225	225	N/A	270	225	225	Mean
	Manganese	1 / 1	626	626	N/A	751	627	751	Result*CF
	Thallium	1 / 1	0 28	0 28	N/A	0 336	0 281	0 336	Result*CF
	Vanadium	1 / 1	33 8	33 8	N/A	40 6	33 9	40 6	Result*CF
ADA-102	Aluminum	1 / 1	19900	19900	N/A	23900	19900	23900	Result*CF
	Antimony	1 / 1	1 39	1 39	N/A	1 67	1 39	1 67	Result*CF
	Arsenic	1 / 1	13 4	13 4	N/A	16 1	13 4	16 1	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 76	3 76	N/A	4 51	3 77	4 51	Result*CF
	Cadmium	1 / 1	1 89	1 89	N/A	2 27	1 89	2 27	Result*CF
	Chromium	1 / 1	20 2	20 2	N/A	24 2	20 2	24 2	Result*CF
	Cobalt	1 / 1	7 96	7 96	N/A	9 55	7 98	9 55	Result*CF
	Iron	1 / 1	19200	19200	N/A	23000	19200	23000	Result*CF
	Lead	1 / 1	108	108	N/A	130	108	108	Mean
	RBA Adjusted Lead	1 / 1	126	126	N/A	152	126	126	Mean
	Manganese	1 / 1	762	762	N/A	914	764	914	Result*CF
	Thallium	1 / 1	0 2	0 2	N/A	0 24	0 2	0 24	Result*CF
	Vanadium	1 / 1	31 9	31 9	N/A	38 3	32	38 3	Result*CF
ADA-103	Aluminum	1 / 1	18100	18100	N/A	21700	18100	21700	Result*CF
	Antimony	1 / 1	1 85	1 85	N/A	2 22	1 85	2 22	Result*CF
	Arsenic	1 / 1	14 5	14 5	N/A	17 4	14 5	17 4	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 07	4 07	N/A	4 89	4 08	4 89	Result*CF
	Cadmium	1 / 1	3 4	3 4	N/A	4 08	3 41	4 08	Result*CF
	Chromium	1 / 1	27 3	27 3	N/A	32 8	27 4	32 8	Result*CF
	Cobalt	1 / 1	12 7	12 7	N/A	15 2	12 7	15 2	Result*CF
	Iron	1 / 1	25700	25700	N/A	30800	25800	30800	Result*CF
	Lead	1 / 1	148	148	N/A	178	148	148	Mean
	RBA Adjusted Lead	1 / 1	173	173	N/A	208	173	173	Mean
	Manganese	1 / 1	1520	1520	N/A	1820	1520	1820	Result*CF
	Thallium	1 / 1	0 25	0 25	N/A	0 3	0 251	0 3	Result*CF
	Vanadium	1 / 1	29 4	29 4	N/A	35 3	29 5	35 3	Result*CF
ADA-104	Aluminum	1 / 1	18900	18900	N/A	22700	18900	22700	Result*CF
	Antimony	1 / 1	0 89	0 89	N/A	1 07	0 892	1 07	Result*CF
	Arsenic	1 / 1	9 06	9 06	N/A	10 9	9 08	10 9	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 54	2 54	N/A	3 05	2 55	3 05	Result*CF
	Cadmium	1 / 1	1 65	1 65	N/A	1 98	1 65	1 98	Result*CF
	Chromium	1 / 1	12 3	12 3	N/A	14 8	12 3	14 8	Result*CF
	Cobalt	1 / 1	5 85	5 85	N/A	7 02	5 86	7 02	Result*CF
	Iron	1 / 1	16700	16700	N/A	20000	16700	20000	Result*CF
	Lead	1 / 1	67 9	67 9	N/A	81 5	67 9	67 9	Mean
	RBA Adjusted Lead	1 / 1	79 4	79 4	N/A	95 3	79 4	79 4	Mean
	Manganese	1 / 1	701	701	N/A	841	702	841	Result*CF
	Thallium	1 / 1	0 17	0 17	N/A	0 204	0 17	0 204	Result*CF
	Vanadium	1 / 1	29 5	29 5	N/A	35 4	29 6	35 4	Result*CF
ADA-105	Aluminum	1 / 1	16900	16900	N/A	20300	16900	20300	Result*CF
	Antimony	1 / 1	2 05	2 05	N/A	2 46	2 05	2 46	Result*CF
	Arsenic	1 / 1	16 7	16 7	N/A	20	16 7	20	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 69	4 69	N/A	5 63	4 7	5 63	Result*CF
	Cadmium	1 / 1	4 68	4 68	N/A	5 62	4 69	5 62	Result*CF
	Chromium	1 / 1	23 3	23 3	N/A	28	23 3	28	Result*CF
	Cobalt	1 / 1	8 99	8 99	N/A	10 8	9 01	10 8	Result*CF
	Iron	1 / 1	19300	19300	N/A	23200	19300	23200	Result*CF
	Lead	1 / 1	194	194	N/A	233	194	194	Mean
	RBA Adjusted Lead	1 / 1	227	227	N/A	272	227	227	Mean
	Manganese	1 / 1	875	875	N/A	1050	877	1050	Result*CF
	Thallium	1 / 1	0 3	0 3	N/A	0 36	0 301	0 36	Result*CF
	Vanadium	1 / 1	35 9	35 9	N/A	43 1	36	43 1	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-106	Aluminum	3 / 3	20500	19700	1140	21600	18000	21600	UCL-P
	Antimony	3 / 3	1 34	1 26	0 07	1 38	1 15	1 38	UCL-P
	Arsenic	3 / 3	10 7	10 5	0 173	10 8	9 01	10 8	UCL-P
	RBA Adjusted Arsenic	3 / 3	3	2 95	0 0486	3 03	2 53	3 03	UCL-P
	Cadmium	3 / 3	2 33	2 05	0 28	2 53	2 11	2 53	UCL-P
	Chromium	3 / 3	18 2	18	0 321	18 5	15 5	18 5	UCL-P
	Cobalt	3 / 3	9 5	9 13	0 365	9 75	8 14	9 75	UCL-P
	Iron	3 / 3	21400	20800	721	22000	18400	22000	UCL-P
	Lead	3 / 3	75 8	68 1	9 49	84 1	68 1	68 1	Mean
	RBA Adjusted Lead	3 / 3	88 7	79 7	11 1	98 4	79 7	79 7	Mean
	Manganese	3 / 3	960	850	95 8	1010	845	1010	UCL-P
	Thallium	3 / 3	0 19	0 18	0 01	0 197	0 164	0 197	UCL-P
	Vanadium	3 / 3	32 5	31 7	1 16	33 7	28 1	33 7	UCL-P
ADA-107	Aluminum	3 / 3	27000	25600	1950	28900	24100	28900	UCL-P
	Antimony	3 / 3	1 07	1 03	0 0551	1 13	0 94	1 13	UCL-P
	Arsenic	3 / 3	16 3	13 4	2 54	17 6	14 7	17 6	UCL-P
	RBA Adjusted Arsenic	3 / 3	4 58	3 75	0 713	4 96	4 14	4 96	UCL-P
	Cadmium	3 / 3	4 21	3 83	0 385	4 48	3 74	4 48	UCL-P
	Chromium	3 / 3	46 4	37 3	8 16	51	42 6	51	UCL-P
	Cobalt	3 / 3	13 2	12 5	0 651	13 6	11 4	13 6	UCL-P
	Iron	3 / 3	23800	22700	971	24400	20300	24400	UCL-P
	Lead	3 / 3	141	126	14 1	150	126	126	Mean
	RBA Adjusted Lead	3 / 3	165	147	16 5	175	147	147	Mean
	Manganese	3 / 3	1540	1490	50 3	1580	1320	1580	UCL-P
	Thallium	3 / 3	0 31	0 303	0 0115	0 323	0 27	0 323	UCL-P
	Vanadium	3 / 3	47 3	43 5	4 07	50 3	42	50 3	UCL-P
ADA-108	Aluminum	3 / 3	16500	15600	781	16900	14100	16900	UCL-P
	Antimony	3 / 3	2 1	2 04	0 052	2 13	1 78	2 13	UCL-P
	Arsenic	3 / 3	15 4	15 2	0 346	15 8	13 2	15 8	UCL-P
	RBA Adjusted Arsenic	3 / 3	4 32	4 27	0 0973	4 43	3 7	4 43	UCL-P
	Cadmium	3 / 3	4 88	4 42	0 398	5 09	4 25	5 09	UCL-P
	Chromium	3 / 3	37 8	34 9	3 82	41 4	34 5	41 4	UCL-P
	Cobalt	3 / 3	10 1	9 68	0 597	10 7	8 93	10 7	UCL-P
	Iron	3 / 3	20500	19200	1260	21300	17800	21300	UCL-P
	Lead	3 / 3	212	194	17 2	223	194	194	Mean
	RBA Adjusted Lead	3 / 3	248	227	20 1	260	227	227	Mean
	Manganese	3 / 3	1010	937	63 7	1040	872	1040	UCL-P
	Thallium	3 / 3	0 26	0 243	0 0153	0 269	0 225	0 269	UCL-P
	Vanadium	3 / 3	34 7	32 7	1 88	35 8	29 9	35 8	UCL-P
ADA-109	Aluminum	1 / 1	14900	14900	N/A	17900	14900	17900	Result*CF
	Antimony	1 / 1	3 91	3 91	N/A	4 69	3 92	4 69	Result*CF
	Arsenic	1 / 1	20 7	20 7	N/A	24 8	20 7	24 8	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 81	5 81	N/A	6 97	5 82	6 97	Result*CF
	Cadmium	1 / 1	6 5	6 5	N/A	7 8	6 51	7 8	Result*CF
	Chromium	1 / 1	20 4	20 4	N/A	24 5	20 4	24 5	Result*CF
	Cobalt	1 / 1	6 96	6 96	N/A	8 35	6 97	8 35	Result*CF
	Iron	1 / 1	16200	16200	N/A	19400	16200	19400	Result*CF
	Lead	1 / 1	324	324	N/A	389	324	324	Mean
	RBA Adjusted Lead	1 / 1	379	379	N/A	455	379	379	Mean
	Manganese	1 / 1	729	729	N/A	875	730	875	Result*CF
	Thallium	1 / 1	0 35	0 35	N/A	0 42	0 351	0 42	Result*CF
	Vanadium	1 / 1	25 1	25 1	N/A	30 1	25 2	30 1	Result*CF
ADA-110	Aluminum	1 / 1	14000	14000	N/A	16800	14000	16800	Result*CF
	Antimony	1 / 1	3 13	3 13	N/A	3 76	3 14	3 76	Result*CF
	Arsenic	1 / 1	15 2	15 2	N/A	18 2	15 2	18 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 27	4 27	N/A	5 12	4 28	5 12	Result*CF
	Cadmium	1 / 1	5 18	5 18	N/A	6 22	5 19	6 22	Result*CF
	Chromium	1 / 1	20 3	20 3	N/A	24 4	20 3	24 4	Result*CF
	Cobalt	1 / 1	6 34	6 34	N/A	7 61	6 35	7 61	Result*CF
	Iron	1 / 1	15700	15700	N/A	18800	15700	18800	Result*CF
	Lead	1 / 1	227	227	N/A	272	227	227	Mean
	RBA Adjusted Lead	1 / 1	266	266	N/A	319	266	266	Mean
	Manganese	1 / 1	548	548	N/A	658	549	658	Result*CF
	Thallium	1 / 1	0 27	0 27	N/A	0 324	0 271	0 324	Result*CF
	Vanadium	1 / 1	29 6	29 6	N/A	35 5	29 7	35 5	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-111	Aluminum	1 / 1	20500	20500	N/A	24600	20500	24600	Result*CF
	Antimony	1 / 1	0 94	0 94	N/A	1 13	0 942	1 13	Result*CF
	Arsenic	1 / 1	12 3	12 3	N/A	14 8	12 3	14 8	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 45	3 45	N/A	4 14	3 46	4 14	Result*CF
	Cadmium	1 / 1	2 23	2 23	N/A	2 68	2 23	2 68	Result*CF
	Chromium	1 / 1	29 9	29 9	N/A	35 9	30	35 9	Result*CF
	Cobalt	1 / 1	9 5	9 5	N/A	11 4	9 52	11 4	Result*CF
	Iron	1 / 1	20900	20900	N/A	25100	20900	25100	Result*CF
	Lead	1 / 1	102	102	N/A	122	102	102	Mean
	RBA Adjusted Lead	1 / 1	119	119	N/A	143	119	119	Mean
	Manganese	1 / 1	957	957	N/A	1150	959	1150	Result*CF
	Thallium	1 / 1	0 21	0 21	N/A	0 252	0 21	0 252	Result*CF
	Vanadium	1 / 1	40 7	40 7	N/A	48 8	40 8	48 8	Result*CF
ADA-112	Aluminum	1 / 1	24400	24400	N/A	29300	24400	29300	Result*CF
	Antimony	1 / 1	0 89	0 89	N/A	1 07	0 892	1 07	Result*CF
	Arsenic	1 / 1	12 9	12 9	N/A	15 5	12 9	15 5	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 62	3 62	N/A	4 35	3 63	4 35	Result*CF
	Cadmium	1 / 1	2 48	2 48	N/A	2 98	2 48	2 98	Result*CF
	Chromium	1 / 1	21 3	21 3	N/A	25 6	21 3	25 6	Result*CF
	Cobalt	1 / 1	8 61	8 61	N/A	10 3	8 63	10 3	Result*CF
	Iron	1 / 1	21400	21400	N/A	25700	21400	25700	Result*CF
	Lead	1 / 1	87 7	87 7	N/A	105	87 7	87 7	Mean
	RBA Adjusted Lead	1 / 1	103	103	N/A	123	103	103	Mean
	Manganese	1 / 1	1250	1250	N/A	1500	1250	1500	Result*CF
	Thallium	1 / 1	0 19	0 19	N/A	0 228	0 19	0 228	Result*CF
	Vanadium	1 / 1	38	38	N/A	45 6	38 1	45 6	Result*CF
ADA-113	Aluminum	1 / 1	20200	20200	N/A	24200	20200	24200	Result*CF
	Antimony	1 / 1	1	1	N/A	1 2	1	1 2	Result*CF
	Arsenic	1 / 1	13 7	13 7	N/A	16 4	13 7	16 4	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 85	3 85	N/A	4 62	3 85	4 62	Result*CF
	Cadmium	1 / 1	2 43	2 43	N/A	2 92	2 43	2 92	Result*CF
	Chromium	1 / 1	24	24	N/A	28 8	24	28 8	Result*CF
	Cobalt	1 / 1	8 11	8 11	N/A	9 73	8 13	9 73	Result*CF
	Iron	1 / 1	19000	19000	N/A	22800	19000	22800	Result*CF
	Lead	1 / 1	139	139	N/A	167	139	139	Mean
	RBA Adjusted Lead	1 / 1	163	163	N/A	195	163	163	Mean
	Manganese	1 / 1	1320	1320	N/A	1580	1320	1580	Result*CF
	Thallium	1 / 1	0 2	0 2	N/A	0 24	0 2	0 24	Result*CF
	Vanadium	1 / 1	32 1	32 1	N/A	38 5	32 2	38 5	Result*CF
ADA-114	Aluminum	1 / 1	20400	20400	N/A	24500	20400	24500	Result*CF
	Antimony	1 / 1	0 74	0 74	N/A	0 888	0 741	0 888	Result*CF
	Arsenic	1 / 1	16 7	16 7	N/A	20	16 7	20	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 69	4 69	N/A	5 63	4 7	5 63	Result*CF
	Cadmium	1 / 1	1 89	1 89	N/A	2 27	1 89	2 27	Result*CF
	Chromium	1 / 1	18 5	18 5	N/A	22 2	18 5	22 2	Result*CF
	Cobalt	1 / 1	6 98	6 98	N/A	8 38	6 99	8 38	Result*CF
	Iron	1 / 1	18300	18300	N/A	22000	18300	22000	Result*CF
	Lead	1 / 1	97 6	97 6	N/A	117	97 6	97 6	Mean
	RBA Adjusted Lead	1 / 1	114	114	N/A	137	114	114	Mean
	Manganese	1 / 1	1180	1180	N/A	1420	1180	1420	Result*CF
	Thallium	1 / 1	0 19	0 19	N/A	0 228	0 19	0 228	Result*CF
	Vanadium	1 / 1	26 7	26 7	N/A	32	26 8	32	Result*CF
ADA-115	Aluminum	1 / 1	17500	17500	N/A	21000	17500	21000	Result*CF
	Antimony	1 / 1	1 17	1 17	N/A	1 4	1 17	1 4	Result*CF
	Arsenic	1 / 1	14 3	14 3	N/A	17 2	14 3	17 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 01	4 01	N/A	4 82	4 02	4 82	Result*CF
	Cadmium	1 / 1	2	2	N/A	2 4	2	2 4	Result*CF
	Chromium	1 / 1	16	16	N/A	19 2	16	19 2	Result*CF
	Cobalt	1 / 1	5 96	5 96	N/A	7 15	5 97	7 15	Result*CF
	Iron	1 / 1	15600	15600	N/A	18700	15600	18700	Result*CF
	Lead	1 / 1	122	122	N/A	146	122	122	Mean
	RBA Adjusted Lead	1 / 1	143	143	N/A	171	143	143	Mean
	Manganese	1 / 1	792	792	N/A	950	794	950	Result*CF
	Thallium	1 / 1	0 17	0 17	N/A	0 204	0 17	0 204	Result*CF
	Vanadium	1 / 1	24 8	24 8	N/A	29 8	24 8	29 8	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-116	Aluminum	1 / 1	14700	14700	N/A	17600	14700	17600	Result*CF
	Antimony	1 / 1	1 26	1 26	N/A	1 51	1 26	1 51	Result*CF
	Arsenic	1 / 1	14 5	14 5	N/A	17 4	14 5	17 4	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 07	4 07	N/A	4 89	4 08	4 89	Result*CF
	Cadmium	1 / 1	1 52	1 52	N/A	1 82	1 52	1 82	Result*CF
	Chromium	1 / 1	16 8	16 8	N/A	20 2	16 8	20 2	Result*CF
	Cobalt	1 / 1	5 95	5 95	N/A	7 14	5 96	7 14	Result*CF
	Iron	1 / 1	15800	15800	N/A	19000	15800	19000	Result*CF
	Lead	1 / 1	96 1	96 1	N/A	115	96 1	96 1	Mean
	RBA Adjusted Lead	1 / 1	112	112	N/A	135	112	112	Mean
	Manganese	1 / 1	637	637	N/A	764	638	764	Result*CF
	Thallium	1 / 1	0 17	0 17	N/A	0 204	0 17	0 204	Result*CF
	Vanadium	1 / 1	27 9	27 9	N/A	33 5	28	33 5	Result*CF
ADA-117	Aluminum	1 / 1	15800	15800	N/A	19000	15800	19000	Result*CF
	Antimony	1 / 1	1 85	1 85	N/A	2 22	1 85	2 22	Result*CF
	Arsenic	1 / 1	17 4	17 4	N/A	20 9	17 4	20 9	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 89	4 89	N/A	5 86	4 89	5 86	Result*CF
	Cadmium	1 / 1	3 24	3 24	N/A	3 89	3 25	3 89	Result*CF
	Chromium	1 / 1	19	19	N/A	22 8	19	22 8	Result*CF
	Cobalt	1 / 1	7 02	7 02	N/A	8 42	7 03	8 42	Result*CF
	Iron	1 / 1	16600	16600	N/A	19900	16600	19900	Result*CF
	Lead	1 / 1	165	165	N/A	198	165	165	Mean
	RBA Adjusted Lead	1 / 1	193	193	N/A	232	193	193	Mean
	Manganese	1 / 1	1070	1070	N/A	1280	1070	1280	Result*CF
	Thallium	1 / 1	0 23	0 23	N/A	0 276	0 23	0 276	Result*CF
	Vanadium	1 / 1	29 3	29 3	N/A	35 2	29 4	35 2	Result*CF
ADA-118	Aluminum	1 / 1	19400	19400	N/A	23300	19400	23300	Result*CF
	Antimony	1 / 1	1 41	1 41	N/A	1 69	1 41	1 69	Result*CF
	Arsenic	1 / 1	14 6	14 6	N/A	17 5	14 6	17 5	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 1	4 1	N/A	4 92	4 11	4 92	Result*CF
	Cadmium	1 / 1	4 23	4 23	N/A	5 08	4 24	5 08	Result*CF
	Chromium	1 / 1	32	32	N/A	38 4	32 1	38 4	Result*CF
	Cobalt	1 / 1	8 47	8 47	N/A	10 2	8 49	10 2	Result*CF
	Iron	1 / 1	19300	19300	N/A	23200	19300	23200	Result*CF
	Lead	1 / 1	163	163	N/A	196	163	163	Mean
	RBA Adjusted Lead	1 / 1	191	191	N/A	229	191	191	Mean
	Manganese	1 / 1	1250	1250	N/A	1500	1250	1500	Result*CF
	Thallium	1 / 1	0 21	0 21	N/A	0 252	0 21	0 252	Result*CF
	Vanadium	1 / 1	28 3	28 3	N/A	34	28 4	34	Result*CF
ADA-119	Aluminum	1 / 1	15200	15200	N/A	18200	15200	18200	Result*CF
	Antimony	1 / 1	1 54	1 54	N/A	1 85	1 54	1 85	Result*CF
	Arsenic	1 / 1	14 5	14 5	N/A	17 4	14 5	17 4	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 07	4 07	N/A	4 89	4 08	4 89	Result*CF
	Cadmium	1 / 1	3 55	3 55	N/A	4 26	3 56	4 26	Result*CF
	Chromium	1 / 1	23 5	23 5	N/A	28 2	23 5	28 2	Result*CF
	Cobalt	1 / 1	8 14	8 14	N/A	9 77	8 16	9 77	Result*CF
	Iron	1 / 1	17400	17400	N/A	20900	17400	20900	Result*CF
	Lead	1 / 1	176	176	N/A	211	176	176	Mean
	RBA Adjusted Lead	1 / 1	206	206	N/A	247	206	206	Mean
	Manganese	1 / 1	904	904	N/A	1080	906	1080	Result*CF
	Thallium	1 / 1	0 22	0 22	N/A	0 264	0 22	0 264	Result*CF
	Vanadium	1 / 1	25 3	25 3	N/A	30 4	25 4	30 4	Result*CF
ADA-121	Aluminum	1 / 1	22200	22200	N/A	26600	22200	26600	Result*CF
	Antimony	1 / 1	2 27	2 27	N/A	2 72	2 27	2 72	Result*CF
	Arsenic	1 / 1	19	19	N/A	22 8	19	22 8	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 33	5 33	N/A	6 4	5 34	6 4	Result*CF
	Cadmium	1 / 1	4 58	4 58	N/A	5 5	4 59	5 5	Result*CF
	Chromium	1 / 1	25 8	25 8	N/A	31	25 9	31	Result*CF
	Cobalt	1 / 1	10	10	N/A	12	10	12	Result*CF
	Iron	1 / 1	21700	21700	N/A	26000	21700	26000	Result*CF
	Lead	1 / 1	204	204	N/A	245	204	204	Mean
	RBA Adjusted Lead	1 / 1	239	239	N/A	286	239	239	Mean
	Manganese	1 / 1	1090	1090	N/A	1310	1090	1310	Result*CF
	Thallium	1 / 1	0 3	0 3	N/A	0 36	0 301	0 36	Result*CF
	Vanadium	1 / 1	39 2	39 2	N/A	47	39 3	47	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-122	Aluminum	1 / 1	18800	18800	N/A	22600	18800	22600	Result*CF
	Antimony	1 / 1	0 75	0 75	N/A	0 9	0 752	0 9	Result*CF
	Arsenic	1 / 1	8 68	8 68	N/A	10 4	8 7	10 4	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 44	2 44	N/A	2 92	2 44	2 92	Result*CF
	Cadmium	1 / 1	1 48	1 48	N/A	1 78	1 48	1 78	Result*CF
	Chromium	1 / 1	16 5	16 5	N/A	19 8	16 5	19 8	Result*CF
	Cobalt	1 / 1	6 79	6 79	N/A	8 15	6 8	8 15	Result*CF
	Iron	1 / 1	16800	16800	N/A	20200	16800	20200	Result*CF
	Lead	1 / 1	48 8	48 8	N/A	58 6	48 8	48 8	Mean
	RBA Adjusted Lead	1 / 1	57 1	57 1	N/A	68 5	57 1	57 1	Mean
	Manganese	1 / 1	829	829	N/A	995	831	995	Result*CF
	Thallium	1 / 1	0 12	0 12	N/A	0 144	0 12	0 144	Result*CF
	Vanadium	1 / 1	25	25	N/A	30	25 1	30	Result*CF
ADA-124	Aluminum	3 / 3	10300	9830	485	10600	8890	10600	UCL-P
	Antimony	3 / 3	2 63	2 01	0 58	2 99	2 5	2 99	UCL-P
	Arsenic	3 / 3	13	12 4	0 656	13 5	11 3	13 5	UCL-P
	RBA Adjusted Arsenic	3 / 3	3 65	3 48	0 184	3 79	3 17	3 79	UCL-P
	Cadmium	3 / 3	2 4	2 12	0 307	2 63	2 2	2 63	UCL-P
	Chromium	3 / 3	13 8	13 2	0 569	14 1	11 8	14 1	UCL-P
	Cobalt	3 / 3	4 3	4 13	0 157	4 39	3 67	4 39	UCL-P
	Iron	3 / 3	12700	12300	321	12900	10800	12900	UCL-P
	Lead	3 / 3	180	151	31 1	203	151	151	Mean
	RBA Adjusted Lead	3 / 3	211	176	36 4	238	176	176	Mean
	Manganese	3 / 3	495	469	22 4	507	423	507	UCL-P
	Thallium	3 / 3	0 25	0 213	0 0351	0 273	0 228	0 273	UCL-P
	Vanadium	3 / 3	19	18 7	0 306	19 2	16 1	19 2	UCL-P
ADA-125	Aluminum	1 / 1	11300	11300	N/A	13600	11300	13600	Result*CF
	Antimony	1 / 1	1 71	1 71	N/A	2 05	1 71	2 05	Result*CF
	Arsenic	1 / 1	13 8	13 8	N/A	16 6	13 8	16 6	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 69	4 69	N/A	5 63	4 7	5 63	Result*CF
	Cadmium	1 / 1	1 71	1 71	N/A	2 05	1 71	2 05	Result*CF
	Chromium	1 / 1	11 9	11 9	N/A	14 3	11 9	14 3	Result*CF
	Cobalt	1 / 1	3 89	3 89	N/A	4 67	3 9	4 67	Result*CF
	Iron	1 / 1	11700	11700	N/A	14000	11700	14000	Result*CF
	Lead	1 / 1	122	122	N/A	146	122	122	Mean
	RBA Adjusted Lead	1 / 1	151	151	N/A	181	151	151	Mean
	Manganese	1 / 1	385	385	N/A	462	386	462	Result*CF
	Thallium	1 / 1	0 2	0 2	N/A	0 24	0 2	0 24	Result*CF
	Vanadium	1 / 1	17 7	17 7	N/A	21 2	17 7	21 2	Result*CF
ADA-126	Aluminum	1 / 1	12500	12500	N/A	15000	12500	15000	Result*CF
	Antimony	1 / 1	2 96	2 96	N/A	3 55	2 97	3 55	Result*CF
	Arsenic	1 / 1	22 9	22 9	N/A	27 5	22 9	27 5	Result*CF
	RBA Adjusted Arsenic	1 / 1	8 54	8 54	N/A	10 2	8 56	10 2	Result*CF
	Cadmium	1 / 1	6 38	6 38	N/A	7 66	6 39	7 66	Result*CF
	Chromium	1 / 1	13 9	13 9	N/A	16 7	13 9	16 7	Result*CF
	Cobalt	1 / 1	4 86	4 86	N/A	5 83	4 87	5 83	Result*CF
	Iron	1 / 1	13400	13400	N/A	16100	13400	16100	Result*CF
	Lead	1 / 1	340	340	N/A	408	340	340	Mean
	RBA Adjusted Lead	1 / 1	427	427	N/A	513	427	427	Mean
	Manganese	1 / 1	559	559	N/A	671	560	671	Result*CF
	Thallium	1 / 1	0 31	0 31	N/A	0 372	0 311	0 372	Result*CF
	Vanadium	1 / 1	21 1	21 1	N/A	25 3	21 1	25 3	Result*CF
ADA-127	Aluminum	1 / 1	18000	18000	N/A	21600	18000	21600	Result*CF
	Antimony	1 / 1	2 16	2 16	N/A	2 59	2 16	2 59	Result*CF
	Arsenic	1 / 1	21	21	N/A	25 2	21	25 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 9	5 9	N/A	7 07	5 91	7 07	Result*CF
	Cadmium	1 / 1	5 78	5 78	N/A	6 94	5 79	6 94	Result*CF
	Chromium	1 / 1	18 6	18 6	N/A	22 3	18 6	22 3	Result*CF
	Cobalt	1 / 1	11	11	N/A	13 2	11	13 2	Result*CF
	Iron	1 / 1	20000	20000	N/A	24000	20000	24000	Result*CF
	Lead	1 / 1	182	182	N/A	218	182	182	Mean
	RBA Adjusted Lead	1 / 1	213	213	N/A	255	213	213	Mean
	Manganese	1 / 1	772	772	N/A	926	774	926	Result*CF
	Thallium	1 / 1	0 25	0 25	N/A	0 3	0 251	0 3	Result*CF
	Vanadium	1 / 1	30 3	30 3	N/A	36 4	30 4	36 4	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-128	Aluminum	1 / 1	8200	8200	N/A	9840	8220	9840	Result*CF
	Antimony	1 / 1	3 74	3 74	N/A	4 49	3 75	4 49	Result*CF
	Arsenic	1 / 1	15 5	15 5	N/A	18 6	15 5	18 6	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 35	4 35	N/A	5 22	4 36	5 22	Result*CF
	Cadmium	1 / 1	6 81	6 81	N/A	8 17	6 82	8 17	Result*CF
	Chromium	1 / 1	12 1	12 1	N/A	14 5	12 1	14 5	Result*CF
	Cobalt	1 / 1	3 69	3 69	N/A	4 43	3 7	4 43	Result*CF
	Iron	1 / 1	10200	10200	N/A	12200	10200	12200	Result*CF
	Lead	1 / 1	310	310	N/A	372	310	310	Mean
	RBA Adjusted Lead	1 / 1	363	363	N/A	435	363	363	Mean
	Manganese	1 / 1	397	397	N/A	476	398	476	Result*CF
	Thallium	1 / 1	0 29	0 29	N/A	0 348	0 291	0 348	Result*CF
	Vanadium	1 / 1	19 7	19 7	N/A	23 6	19 7	23 6	Result*CF
ADA-131	Aluminum	3 / 3	14300	14100	153	14400	12000	14400	UCL-P
	Antimony	3 / 3	4 46	3 81	0 7	4 99	4 17	4 99	UCL-P
	Arsenic	3 / 3	26 5	24 2	2 04	27 6	23 1	27 6	UCL-P
	RBA Adjusted Arsenic	3 / 3	7 44	6 78	0 574	7 75	6 47	7 75	UCL-P
	Cadmium	3 / 3	6 25	5 43	1 28	7 59	6 34	7 59	UCL-P
	Chromium	3 / 3	17 8	17 5	0 436	18 2	15 2	18 2	UCL-P
	Cobalt	3 / 3	6 76	6 6	0 152	6 85	5 72	6 85	UCL-P
	Iron	3 / 3	16700	16500	153	16800	14000	16800	UCL-P
	Lead	3 / 3	394	329	102	502	329	329	Mean
	RBA Adjusted Lead	3 / 3	461	385	120	587	385	385	Mean
	Manganese	3 / 3	642	593	72	714	596	714	UCL-P
	Thallium	3 / 3	0 43	0 37	0 0721	0 492	0 41	0 492	UCL-P
	Vanadium	3 / 3	26 2	25 3	1 08	27 1	22 6	27 1	UCL-P
ADA-132	Aluminum	1 / 1	7740	7740	N/A	9290	7760	9290	Result*CF
	Antimony	1 / 1	1 37	1 37	N/A	1 64	1 37	1 64	Result*CF
	Arsenic	1 / 1	9 59	9 59	N/A	11 5	9 61	11 5	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 69	2 69	N/A	3 23	2 7	3 23	Result*CF
	Cadmium	1 / 1	2 04	2 04	N/A	2 45	2 04	2 45	Result*CF
	Chromium	1 / 1	16 4	16 4	N/A	19 7	16 4	19 7	Result*CF
	Cobalt	1 / 1	4 49	4 49	N/A	5 39	4 5	5 39	Result*CF
	Iron	1 / 1	12000	12000	N/A	14400	12000	14400	Result*CF
	Lead	1 / 1	146	146	N/A	175	146	146	Mean
	RBA Adjusted Lead	1 / 1	171	171	N/A	205	171	171	Mean
	Manganese	1 / 1	239	239	N/A	287	239	287	Result*CF
	Thallium	1 / 1	0 26	0 26	N/A	0 312	0 261	0 312	Result*CF
	Vanadium	1 / 1	21 1	21 1	N/A	25 3	21 1	25 3	Result*CF
ADA-133	Aluminum	1 / 1	15200	15200	N/A	18200	15200	18200	Result*CF
	Antimony	1 / 1	2 78	2 78	N/A	3 34	2 79	3 34	Result*CF
	Arsenic	1 / 1	20 4	20 4	N/A	24 5	20 4	24 5	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 73	5 73	N/A	6 87	5 74	6 87	Result*CF
	Cadmium	1 / 1	5 57	5 57	N/A	6 68	5 58	6 68	Result*CF
	Chromium	1 / 1	18 2	18 2	N/A	21 8	18 2	21 8	Result*CF
	Cobalt	1 / 1	6 7	6 7	N/A	8 04	6 71	8 04	Result*CF
	Iron	1 / 1	15500	15500	N/A	18600	15500	18600	Result*CF
	Lead	1 / 1	289	289	N/A	347	289	289	Mean
	RBA Adjusted Lead	1 / 1	338	338	N/A	406	338	338	Mean
	Manganese	1 / 1	736	736	N/A	883	737	883	Result*CF
	Thallium	1 / 1	0 32	0 32	N/A	0 384	0 321	0 384	Result*CF
	Vanadium	1 / 1	26	26	N/A	31 2	26 1	31 2	Result*CF
ADA-135	Aluminum	3 / 3	9590	9130	397	9800	8190	9800	UCL-P
	Antimony	3 / 3	1 39	1 27	0 166	1 55	1 29	1 55	UCL-P
	Arsenic	3 / 3	9 66	9 03	0 583	10	8 36	10	UCL-P
	RBA Adjusted Arsenic	3 / 3	2 71	2 54	0 164	2 81	2 35	2 81	UCL-P
	Cadmium	3 / 3	3 08	2 75	0 298	3 25	2 72	3 25	UCL-P
	Chromium	3 / 3	22 7	21 2	1 31	23 4	19 6	23 4	UCL-P
	Cobalt	3 / 3	6 7	6 31	0 346	6 89	5 76	6 89	UCL-P
	Iron	3 / 3	16100	15600	500	16400	13700	16400	UCL-P
	Lead	3 / 3	132	120	13 1	142	120	120	Mean
	RBA Adjusted Lead	3 / 3	154	140	15 3	166	140	140	Mean
	Manganese	3 / 3	394	384	10	401	335	401	UCL-P
	Thallium	3 / 3	0 21	0 203	0 0115	0 223	0 186	0 223	UCL-P
	Vanadium	3 / 3	30 9	29 1	1 7	32	26 7	32	UCL-P

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-136	Aluminum	1 / 1	11700	11700	N/A	14000	11700	14000	Result*CF
	Antimony	1 / 1	3 79	3 79	N/A	4 55	3 8	4 55	Result*CF
	Arsenic	1 / 1	16 8	16 8	N/A	20 2	16 8	20 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 72	4 72	N/A	5 66	4 73	5 66	Result*CF
	Cadmium	1 / 1	8 14	8 14	N/A	9 77	8 16	9 77	Result*CF
	Chromium	1 / 1	20 6	20 6	N/A	24 7	20 6	24 7	Result*CF
	Cobalt	1 / 1	6 91	6 91	N/A	8 29	6 92	8 29	Result*CF
	Iron	1 / 1	16100	16100	N/A	19300	16100	19300	Result*CF
	Lead	1 / 1	329	329	N/A	395	329	329	Mean
	RBA Adjusted Lead	1 / 1	385	385	N/A	462	385	385	Mean
	Manganese	1 / 1	706	706	N/A	847	707	847	Result*CF
	Thallium	1 / 1	0 35	0 35	N/A	0 42	0 351	0 42	Result*CF
	Vanadium	1 / 1	27 9	27 9	N/A	33 5	28	33 5	Result*CF
ADA-139	Aluminum	1 / 1	16300	16300	N/A	19600	16300	19600	Result*CF
	Antimony	1 / 1	2 44	2 44	N/A	2 93	2 44	2 93	Result*CF
	Arsenic	1 / 1	18 5	18 5	N/A	22 2	18 5	22 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 19	5 19	N/A	6 23	5 2	6 23	Result*CF
	Cadmium	1 / 1	3 86	3 86	N/A	4 63	3 87	4 63	Result*CF
	Chromium	1 / 1	21 8	21 8	N/A	26 2	21 8	26 2	Result*CF
	Cobalt	1 / 1	7 73	7 73	N/A	9 28	7 75	9 28	Result*CF
	Iron	1 / 1	18200	18200	N/A	21800	18200	21800	Result*CF
	Lead	1 / 1	189	189	N/A	227	189	189	Mean
	RBA Adjusted Lead	1 / 1	221	221	N/A	265	221	221	Mean
	Manganese	1 / 1	593	593	N/A	712	594	712	Result*CF
	Thallium	1 / 1	0 28	0 28	N/A	0 336	0 281	0 336	Result*CF
	Vanadium	1 / 1	30 3	30 3	N/A	36 4	30 4	36 4	Result*CF
ADA-140	Aluminum	1 / 1	7180	7180	N/A	8620	7190	8620	Result*CF
	Antimony	1 / 1	4 44	4 44	N/A	5 33	4 45	5 33	Result*CF
	Arsenic	1 / 1	24 7	24 7	N/A	29 6	24 7	29 6	Result*CF
	RBA Adjusted Arsenic	1 / 1	6 93	6 93	N/A	8 32	6 95	8 32	Result*CF
	Cadmium	1 / 1	7 26	7 26	N/A	8 71	7 27	8 71	Result*CF
	Chromium	1 / 1	17 4	17 4	N/A	20 9	17 4	20 9	Result*CF
	Cobalt	1 / 1	5 46	5 46	N/A	6 55	5 47	6 55	Result*CF
	Iron	1 / 1	17200	17200	N/A	20600	17200	20600	Result*CF
	Lead	1 / 1	476	476	N/A	571	476	476	Mean
	RBA Adjusted Lead	1 / 1	557	557	N/A	668	557	557	Mean
	Manganese	1 / 1	297	297	N/A	356	298	356	Result*CF
	Thallium	1 / 1	0 5	0 5	N/A	0 6	0 501	0 6	Result*CF
	Vanadium	1 / 1	27 8	27 8	N/A	33 4	27 9	33 4	Result*CF
ADA-141	Aluminum	1 / 1	16800	16800	N/A	20200	16800	20200	Result*CF
	Antimony	1 / 1	1 72	1 72	N/A	2 06	1 72	2 06	Result*CF
	Arsenic	1 / 1	16 6	16 6	N/A	19 9	16 6	19 9	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 66	4 66	N/A	5 59	4 67	5 59	Result*CF
	Cadmium	1 / 1	2 86	2 86	N/A	3 43	2 87	3 43	Result*CF
	Chromium	1 / 1	25 9	25 9	N/A	31 1	26	31 1	Result*CF
	Cobalt	1 / 1	7 66	7 66	N/A	9 19	7 68	9 19	Result*CF
	Iron	1 / 1	18800	18800	N/A	22600	18800	22600	Result*CF
	Lead	1 / 1	163	163	N/A	196	163	163	Mean
	RBA Adjusted Lead	1 / 1	191	191	N/A	229	191	191	Mean
	Manganese	1 / 1	716	716	N/A	859	717	859	Result*CF
	Thallium	1 / 1	0 24	0 24	N/A	0 288	0 24	0 288	Result*CF
	Vanadium	1 / 1	33 2	33 2	N/A	39 8	33 3	39 8	Result*CF
ADA-142	Aluminum	1 / 1	11800	11800	N/A	14200	11800	14200	Result*CF
	Antimony	1 / 1	5 93	5 93	N/A	7 12	5 94	7 12	Result*CF
	Arsenic	1 / 1	22 5	22 5	N/A	27	22 5	27	Result*CF
	RBA Adjusted Arsenic	1 / 1	7 59	7 59	N/A	9 11	7 6	9 11	Result*CF
	Cadmium	1 / 1	10 7	10 7	N/A	12 8	10 7	12 8	Result*CF
	Chromium	1 / 1	17 7	17 7	N/A	21 2	17 7	21 2	Result*CF
	Cobalt	1 / 1	5 74	5 74	N/A	6 89	5 75	6 89	Result*CF
	Iron	1 / 1	15800	15800	N/A	19000	15800	19000	Result*CF
	Lead	1 / 1	466	466	N/A	559	466	466	Mean
	RBA Adjusted Lead	1 / 1	599	599	N/A	719	599	599	Mean
	Manganese	1 / 1	784	784	N/A	941	786	941	Result*CF
	Thallium	1 / 1	0 45	0 45	N/A	0 54	0 451	0 54	Result*CF
	Vanadium	1 / 1	26 3	26 3	N/A	31 6	26 4	31 6	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-143	Aluminum	1 / 1	18000	18000	N/A	21600	18000	21600	Result*CF
	Antimony	1 / 1	3 29	3 29	N/A	3 95	3 3	3 95	Result*CF
	Arsenic	1 / 1	16 5	16 5	N/A	19 8	16 5	19 8	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 63	4 63	N/A	5 56	4 64	5 56	Result*CF
	Cadmium	1 / 1	5 3	5 3	N/A	6 36	5 31	6 36	Result*CF
	Chromium	1 / 1	18 1	18 1	N/A	21 7	18 1	21 7	Result*CF
	Cobalt	1 / 1	6 34	6 34	N/A	7 61	6 35	7 61	Result*CF
	Iron	1 / 1	15600	15600	N/A	18700	15600	18700	Result*CF
	Lead	1 / 1	237	237	N/A	284	237	237	Mean
	RBA Adjusted Lead	1 / 1	277	277	N/A	333	277	277	Mean
	Manganese	1 / 1	547	547	N/A	656	548	656	Result*CF
	Thallium	1 / 1	0 29	0 29	N/A	0 348	0 291	0 348	Result*CF
	Vanadium	1 / 1	30 2	30 2	N/A	36 2	30 3	36 2	Result*CF
ADA-144	Aluminum	1 / 1	22600	22600	N/A	27100	22600	27100	Result*CF
	Antimony	1 / 1	12 1	12 1	N/A	14 5	12 1	14 5	Result*CF
	Arsenic	1 / 1	55 9	55 9	N/A	67 1	56	67 1	Result*CF
	RBA Adjusted Arsenic	1 / 1	13 3	13 3	N/A	15 9	13 3	15 9	Result*CF
	Cadmium	1 / 1	16 3	16 3	N/A	19 6	16 3	19 6	Result*CF
	Chromium	1 / 1	13 5	13 5	N/A	16 2	13 5	16 2	Result*CF
	Cobalt	1 / 1	5 6	5 6	N/A	6 72	5 61	6 72	Result*CF
	Iron	1 / 1	15400	15400	N/A	18500	15400	18500	Result*CF
	Lead	1 / 1	668	668	N/A	802	668	668	Mean
	RBA Adjusted Lead	1 / 1	747	747	N/A	896	747	747	Mean
	Manganese	1 / 1	790	790	N/A	948	792	948	Result*CF
	Thallium	1 / 1	0 65	0 65	N/A	0 78	0 651	0 78	Result*CF
	Vanadium	1 / 1	29 7	29 7	N/A	35 6	29 8	35 6	Result*CF
ADA-145	Aluminum	1 / 1	17300	17300	N/A	20800	17300	20800	Result*CF
	Antimony	1 / 1	3 27	3 27	N/A	3 92	3 28	3 92	Result*CF
	Arsenic	1 / 1	21	21	N/A	25 2	21	25 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 41	5 41	N/A	6 49	5 42	6 49	Result*CF
	Cadmium	1 / 1	6 74	6 74	N/A	8 09	6 75	8 09	Result*CF
	Chromium	1 / 1	19	19	N/A	22 8	19	22 8	Result*CF
	Cobalt	1 / 1	7 76	7 76	N/A	9 31	7 78	9 31	Result*CF
	Iron	1 / 1	18600	18600	N/A	22300	18600	22300	Result*CF
	Lead	1 / 1	318	318	N/A	382	318	318	Mean
	RBA Adjusted Lead	1 / 1	373	373	N/A	447	373	373	Mean
	Manganese	1 / 1	858	858	N/A	1030	860	1030	Result*CF
	Thallium	1 / 1	0 31	0 31	N/A	0 372	0 311	0 372	Result*CF
	Vanadium	1 / 1	26 5	26 5	N/A	31 8	26 6	31 8	Result*CF
ADA-146	Aluminum	1 / 1	12700	12700	N/A	15200	12700	15200	Result*CF
	Antimony	1 / 1	3 55	3 55	N/A	4 26	3 56	4 26	Result*CF
	Arsenic	1 / 1	23	23	N/A	27 6	23	27 6	Result*CF
	RBA Adjusted Arsenic	1 / 1	6 46	6 46	N/A	7 75	6 47	7 75	Result*CF
	Cadmium	1 / 1	7 3	7 3	N/A	8 76	7 31	8 76	Result*CF
	Chromium	1 / 1	16 8	16 8	N/A	20 2	16 8	20 2	Result*CF
	Cobalt	1 / 1	5 92	5 92	N/A	7 1	5 93	7 1	Result*CF
	Iron	1 / 1	14900	14900	N/A	17900	14900	17900	Result*CF
	Lead	1 / 1	335	335	N/A	402	335	335	Mean
	RBA Adjusted Lead	1 / 1	392	392	N/A	470	392	392	Mean
	Manganese	1 / 1	707	707	N/A	848	708	848	Result*CF
	Thallium	1 / 1	0 38	0 38	N/A	0 456	0 381	0 456	Result*CF
	Vanadium	1 / 1	23 1	23 1	N/A	27 7	23 1	27 7	Result*CF
ADA-147	Aluminum	1 / 1	12500	12500	N/A	15000	12500	15000	Result*CF
	Antimony	1 / 1	10 4	10 4	N/A	12 5	10 4	12 5	Result*CF
	Arsenic	1 / 1	33 9	33 9	N/A	40 7	34	40 7	Result*CF
	RBA Adjusted Arsenic	1 / 1	9 52	9 52	N/A	11 4	9 54	11 4	Result*CF
	Cadmium	1 / 1	9 92	9 92	N/A	11 9	9 94	11 9	Result*CF
	Chromium	1 / 1	13 7	13 7	N/A	16 4	13 7	16 4	Result*CF
	Cobalt	1 / 1	3 93	3 93	N/A	4 72	3 94	4 72	Result*CF
	Iron	1 / 1	14000	14000	N/A	16800	14000	16800	Result*CF
	Lead	1 / 1	656	656	N/A	787	656	656	Mean
	RBA Adjusted Lead	1 / 1	767	767	N/A	921	767	767	Mean
	Manganese	1 / 1	508	508	N/A	610	509	610	Result*CF
	Thallium	1 / 1	0 48	0 48	N/A	0 576	0 481	0 576	Result*CF
	Vanadium	1 / 1	27 2	27 2	N/A	32 6	27 3	32 6	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-148	Aluminum	1 / 1	7540	7540	N/A	9050	7560	9050	Result*CF
	Antimony	1 / 1	3 13	3 13	N/A	3 76	3 14	3 76	Result*CF
	Arsenic	1 / 1	19 8	19 8	N/A	23 8	19 8	23 8	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 56	5 56	N/A	6 67	5 57	6 67	Result*CF
	Cadmium	1 / 1	5 33	5 33	N/A	6 4	5 34	6 4	Result*CF
	Chromium	1 / 1	16	16	N/A	19 2	16	19 2	Result*CF
	Cobalt	1 / 1	4 9	4 9	N/A	5 88	4 91	5 88	Result*CF
	Iron	1 / 1	13600	13600	N/A	16300	13600	16300	Result*CF
	Lead	1 / 1	317	317	N/A	380	317	317	Mean
	RBA Adjusted Lead	1 / 1	371	371	N/A	445	371	371	Mean
	Manganese	1 / 1	379	379	N/A	455	380	455	Result*CF
	Thallium	1 / 1	0 38	0 38	N/A	0 456	0 381	0 456	Result*CF
	Vanadium	1 / 1	23	23	N/A	27 6	23	27 6	Result*CF
ADA-150	Aluminum	1 / 1	14100	14100	N/A	16900	14100	16900	Result*CF
	Antimony	1 / 1	5 96	5 96	N/A	7 15	5 97	7 15	Result*CF
	Arsenic	1 / 1	31 6	31 6	N/A	37 9	31 7	37 9	Result*CF
	RBA Adjusted Arsenic	1 / 1	8 84	8 84	N/A	10 6	8 85	10 6	Result*CF
	Cadmium	1 / 1	8 77	8 77	N/A	10 5	8 79	10 5	Result*CF
	Chromium	1 / 1	14 8	14 8	N/A	17 8	14 8	17 8	Result*CF
	Cobalt	1 / 1	5 26	5 26	N/A	6 31	5 27	6 31	Result*CF
	Iron	1 / 1	13800	13800	N/A	16600	13800	16600	Result*CF
	Lead	1 / 1	559	559	N/A	671	559	559	Mean
	RBA Adjusted Lead	1 / 1	627	627	N/A	752	627	627	Mean
	Manganese	1 / 1	490	490	N/A	588	491	588	Result*CF
	Thallium	1 / 1	0 52	0 52	N/A	0 624	0 521	0 624	Result*CF
	Vanadium	1 / 1	23 9	23 9	N/A	28 7	23 9	28 7	Result*CF
ADA-151	Aluminum	1 / 1	7400	7400	N/A	8880	7410	8880	Result*CF
	Antimony	1 / 1	4 39	4 39	N/A	5 27	4 4	5 27	Result*CF
	Arsenic	1 / 1	20 5	20 5	N/A	24 6	20 5	24 6	Result*CF
	RBA Adjusted Arsenic	1 / 1	5 76	5 76	N/A	6 91	5 77	6 91	Result*CF
	Cadmium	1 / 1	4 35	4 35	N/A	5 22	4 36	5 22	Result*CF
	Chromium	1 / 1	18 4	18 4	N/A	22 1	18 4	22 1	Result*CF
	Cobalt	1 / 1	5 08	5 08	N/A	6 1	5 09	6 1	Result*CF
	Iron	1 / 1	14400	14400	N/A	17300	14400	17300	Result*CF
	Lead	1 / 1	374	374	N/A	449	374	374	Mean
	RBA Adjusted Lead	1 / 1	438	438	N/A	525	438	438	Mean
	Manganese	1 / 1	284	284	N/A	341	285	341	Result*CF
	Thallium	1 / 1	0 44	0 44	N/A	0 528	0 441	0 528	Result*CF
	Vanadium	1 / 1	28 6	28 6	N/A	34 3	28 7	34 3	Result*CF
ADA-152	Aluminum	1 / 1	17200	17200	N/A	20600	17200	20600	Result*CF
	Antimony	1 / 1	2 46	2 46	N/A	2 95	2 46	2 95	Result*CF
	Arsenic	1 / 1	25	25	N/A	30	25 1	30	Result*CF
	RBA Adjusted Arsenic	1 / 1	10 5	10 5	N/A	12 6	10 5	12 6	Result*CF
	Cadmium	1 / 1	5 03	5 03	N/A	6 04	5 04	6 04	Result*CF
	Chromium	1 / 1	25 1	25 1	N/A	30 1	25 2	30 1	Result*CF
	Cobalt	1 / 1	8 04	8 04	N/A	9 65	8 06	9 65	Result*CF
	Iron	1 / 1	20500	20500	N/A	24600	20500	24600	Result*CF
	Lead	1 / 1	221	221	N/A	265	221	221	Mean
	RBA Adjusted Lead	1 / 1	300	300	N/A	360	300	300	Mean
	Manganese	1 / 1	765	765	N/A	918	767	918	Result*CF
	Thallium	1 / 1	0 32	0 32	N/A	0 384	0 321	0 384	Result*CF
	Vanadium	1 / 1	31 6	31 6	N/A	37 9	31 7	37 9	Result*CF
ADA-153	Aluminum	1 / 1	16100	16100	N/A	19300	16100	19300	Result*CF
	Antimony	1 / 1	3 4	3 4	N/A	4 08	3 41	4 08	Result*CF
	Arsenic	1 / 1	26 5	26 5	N/A	31 8	26 6	31 8	Result*CF
	RBA Adjusted Arsenic	1 / 1	7 44	7 44	N/A	8 93	7 45	8 93	Result*CF
	Cadmium	1 / 1	8 57	8 57	N/A	10 3	8 59	10 3	Result*CF
	Chromium	1 / 1	17 1	17 1	N/A	20 5	17 1	20 5	Result*CF
	Cobalt	1 / 1	7 94	7 94	N/A	9 53	7 96	9 53	Result*CF
	Iron	1 / 1	17200	17200	N/A	20600	17200	20600	Result*CF
	Lead	1 / 1	383	383	N/A	460	383	383	Mean
	RBA Adjusted Lead	1 / 1	448	448	N/A	538	448	448	Mean
	Manganese	1 / 1	769	769	N/A	923	771	923	Result*CF
	Thallium	1 / 1	0 4	0 4	N/A	0 48	0 401	0 48	Result*CF
	Vanadium	1 / 1	24 9	24 9	N/A	29 9	24 9	29 9	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-154	Aluminum	3 / 3	17100	16800	462	17600	14700	17600	UCL-P
	Antimony	3 / 3	3 54	3 36	0 306	3 88	3 24	3 88	UCL-P
	Arsenic	3 / 3	28 5	26 5	1 74	29 4	24 6	29 4	UCL-P
	RBA Adjusted Arsenic	3 / 3	8	7 44	0 49	8 27	6 9	8 27	UCL-P
	Cadmium	3 / 3	7 5	6 85	0 573	7 82	6 53	7 82	UCL-P
	Chromium	3 / 3	40 3	30 3	8 71	44 9	37 5	44 9	UCL-P
	Cobalt	3 / 3	10 1	8 6	1 31	10 8	9 02	10 8	UCL-P
	Iron	3 / 3	19100	17300	1590	20000	16700	20000	UCL-P
	Lead	3 / 3	373	339	45 9	417	339	339	Mean
	RBA Adjusted Lead	3 / 3	436	397	53 7	488	397	397	Mean
	Manganese	3 / 3	963	888	71 3	1010	842	1010	UCL-P
	Thallium	3 / 3	0 38	0 37	0 01	0 387	0 323	0 387	UCL-P
	Vanadium	3 / 3	30 8	27 7	2 96	32 7	27 3	32 7	UCL-P
ADA-155	Aluminum	1 / 1	11000	11000	N/A	13200	11000	13200	Result*CF
	Antimony	1 / 1	4 43	4 43	N/A	5 32	4 44	5 32	Result*CF
	Arsenic	1 / 1	22	22	N/A	26 4	22	26 4	Result*CF
	RBA Adjusted Arsenic	1 / 1	6 18	6 18	N/A	7 41	6 19	7 41	Result*CF
	Cadmium	1 / 1	4 86	4 86	N/A	5 83	4 87	5 83	Result*CF
	Chromium	1 / 1	13 8	13 8	N/A	16 6	13 8	16 6	Result*CF
	Cobalt	1 / 1	4 38	4 38	N/A	5 26	4 39	5 26	Result*CF
	Iron	1 / 1	12400	12400	N/A	14900	12400	14900	Result*CF
	Lead	1 / 1	273	273	N/A	328	273	273	Mean
	RBA Adjusted Lead	1 / 1	319	319	N/A	383	319	319	Mean
	Manganese	1 / 1	667	667	N/A	800	668	800	Result*CF
	Thallium	1 / 1	0 33	0 33	N/A	0 396	0 331	0 396	Result*CF
	Vanadium	1 / 1	20	20	N/A	24	20	24	Result*CF
ADA-156	Aluminum	1 / 1	11500	11500	N/A	13800	11500	13800	Result*CF
	Antimony	1 / 1	3 99	3 99	N/A	4 79	4	4 79	Result*CF
	Arsenic	1 / 1	15 2	15 2	N/A	18 2	15 2	18 2	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 27	4 27	N/A	5 12	4 28	5 12	Result*CF
	Cadmium	1 / 1	4 51	4 51	N/A	5 41	4 52	5 41	Result*CF
	Chromium	1 / 1	20 1	20 1	N/A	24 1	20 1	24 1	Result*CF
	Cobalt	1 / 1	5 27	5 27	N/A	6 32	5 28	6 32	Result*CF
	Iron	1 / 1	14700	14700	N/A	17600	14700	17600	Result*CF
	Lead	1 / 1	321	321	N/A	385	321	321	Mean
	RBA Adjusted Lead	1 / 1	376	376	N/A	451	376	376	Mean
	Manganese	1 / 1	566	566	N/A	679	567	679	Result*CF
	Thallium	1 / 1	0 32	0 32	N/A	0 384	0 321	0 384	Result*CF
	Vanadium	1 / 1	24 3	24 3	N/A	29 2	24 3	29 2	Result*CF
ADA-158	Aluminum	3 / 3	8850	8650	307	9170	7660	9170	UCL-P
	Antimony	3 / 3	5 42	4 12	1 22	6 19	5 16	6 19	UCL-P
	Arsenic	3 / 3	24 1	19 5	4 37	26 9	22 5	26 9	UCL-P
	RBA Adjusted Arsenic	3 / 3	6 77	5 48	1 23	7 55	6 3	7 55	UCL-P
	Cadmium	3 / 3	6 32	5 32	0 874	6 79	5 67	6 79	UCL-P
	Chromium	3 / 3	21 4	20 1	1 21	22 1	18 5	22 1	UCL-P
	Cobalt	3 / 3	5 88	5 63	0 272	6 08	5 08	6 08	UCL-P
	Iron	3 / 3	16100	15700	451	16400	13700	16400	UCL-P
	Lead	3 / 3	424	332	85 9	477	332	332	Mean
	RBA Adjusted Lead	3 / 3	496	388	100	558	388	388	Mean
	Manganese	3 / 3	412	385	29 3	435	363	435	UCL-P
	Thallium	3 / 3	0 45	0 383	0 0651	0 493	0 412	0 493	UCL-P
	Vanadium	3 / 3	31 8	29 7	2 06	33 1	27 7	33 1	UCL-P
ADA-159	Aluminum	3 / 3	13800	12400	1400	14800	12300	14800	UCL-P
	Antimony	3 / 3	6 84	5 94	0 828	7 34	6 13	7 34	UCL-P
	Arsenic	3 / 3	25 8	23 8	2 05	27 3	22 8	27 3	UCL-P
	RBA Adjusted Arsenic	3 / 3	7 24	6 68	0 576	7 65	6 39	7 65	UCL-P
	Cadmium	3 / 3	9 81	9 1	1 19	11 1	9 27	11 1	UCL-P
	Chromium	3 / 3	27 3	24 1	3 79	30 5	25 4	30 5	UCL-P
	Cobalt	3 / 3	9 98	8 37	1 68	11 2	9 36	11 2	UCL-P
	Iron	3 / 3	19000	17200	1700	20100	16800	20100	UCL-P
	Lead	3 / 3	505	442	57 1	538	442	442	Mean
	RBA Adjusted Lead	3 / 3	591	517	66 8	629	517	517	Mean
	Manganese	3 / 3	1030	942	122	1150	957	1150	UCL-P
	Thallium	3 / 3	0 44	0 4	0 0361	0 461	0 385	0 461	UCL-P
	Vanadium	3 / 3	26 7	25 1	1 43	27 5	23	27 5	UCL-P

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-160	Aluminum	1 / 1	12100	12100	N/A	14500	12100	14500	Result*CF
	Antimony	1 / 1	3 94	3 94	N/A	4 73	3 95	4 73	Result*CF
	Arsenic	1 / 1	20 4	20 4	N/A	24 5	20 4	24 5	Result*CF
	RBA Adjusted Arsenic	1 / 1	6 99	6 99	N/A	8 39	7 01	8 39	Result*CF
	Cadmium	1 / 1	5 47	5 47	N/A	6 56	5 48	6 56	Result*CF
	Chromium	1 / 1	13 9	13 9	N/A	16 7	13 9	16 7	Result*CF
	Cobalt	1 / 1	4 36	4 36	N/A	5 23	4 37	5 23	Result*CF
	Iron	1 / 1	12100	12100	N/A	14500	12100	14500	Result*CF
	Lead	1 / 1	282	282	N/A	338	282	282	Mean
	RBA Adjusted Lead	1 / 1	348	348	N/A	418	348	348	Mean
	Manganese	1 / 1	414	414	N/A	497	415	497	Result*CF
	Thallium	1 / 1	0 3	0 3	N/A	0 36	0 301	0 36	Result*CF
	Vanadium	1 / 1	21 5	21 5	N/A	25 8	21 5	25 8	Result*CF
ADA-161	Aluminum	1 / 1	11300	11300	N/A	13600	11300	13600	Result*CF
	Antimony	1 / 1	3 58	3 58	N/A	4 3	3 59	4 3	Result*CF
	Arsenic	1 / 1	17 1	17 1	N/A	20 5	17 1	20 5	Result*CF
	RBA Adjusted Arsenic	1 / 1	4 8	4 8	N/A	5 76	4 81	5 76	Result*CF
	Cadmium	1 / 1	5 99	5 99	N/A	7 19	6	7 19	Result*CF
	Chromium	1 / 1	18 2	18 2	N/A	21 8	18 2	21 8	Result*CF
	Cobalt	1 / 1	5 77	5 77	N/A	6 92	5 78	6 92	Result*CF
	Iron	1 / 1	14000	14000	N/A	16800	14000	16800	Result*CF
	Lead	1 / 1	329	329	N/A	395	329	329	Mean
	RBA Adjusted Lead	1 / 1	385	385	N/A	462	385	385	Mean
	Manganese	1 / 1	647	647	N/A	776	648	776	Result*CF
	Thallium	1 / 1	0 38	0 38	N/A	0 456	0 381	0 456	Result*CF
	Vanadium	1 / 1	24 7	24 7	N/A	29 6	24 7	29 6	Result*CF
ADA-162	Aluminum	1 / 1	10700	10700	N/A	12800	10700	12800	Result*CF
	Antimony	1 / 1	12 2	12 2	N/A	14 6	12 2	14 6	Result*CF
	Arsenic	1 / 1	32 4	32 4	N/A	38 9	32 5	38 9	Result*CF
	RBA Adjusted Arsenic	1 / 1	9 42	9 42	N/A	11 3	9 44	11 3	Result*CF
	Cadmium	1 / 1	15 6	15 6	N/A	18 7	15 6	18 7	Result*CF
	Chromium	1 / 1	14 9	14 9	N/A	17 9	14 9	17 9	Result*CF
	Cobalt	1 / 1	4 57	4 57	N/A	5 48	4 58	5 48	Result*CF
	Iron	1 / 1	14500	14500	N/A	17400	14500	17400	Result*CF
	Lead	1 / 1	956	956	N/A	1150	956	956	Mean
	RBA Adjusted Lead	1 / 1	898	898	N/A	1080	898	898	Mean
	Manganese	1 / 1	572	572	N/A	686	573	686	Result*CF
	Thallium	1 / 1	0 74	0 74	N/A	0 888	0 741	0 888	Result*CF
	Vanadium	1 / 1	23	23	N/A	27 6	23	27 6	Result*CF
ADA-164	Aluminum	1 / 1	11800	11800	N/A	14200	11800	14200	Result*CF
	Antimony	1 / 1	5 39	5 39	N/A	6 47	5 4	6 47	Result*CF
	Arsenic	1 / 1	25 5	25 5	N/A	30 6	25 6	30 6	Result*CF
	RBA Adjusted Arsenic	1 / 1	7 16	7 16	N/A	8 59	7 17	8 59	Result*CF
	Cadmium	1 / 1	8 26	8 26	N/A	9 91	8 28	9 91	Result*CF
	Chromium	1 / 1	17 1	17 1	N/A	20 5	17 1	20 5	Result*CF
	Cobalt	1 / 1	6 17	6 17	N/A	7 4	6 18	7 4	Result*CF
	Iron	1 / 1	15100	15100	N/A	18100	15100	18100	Result*CF
	Lead	1 / 1	424	424	N/A	509	424	424	Mean
	RBA Adjusted Lead	1 / 1	496	496	N/A	595	496	496	Mean
	Manganese	1 / 1	729	729	N/A	875	730	875	Result*CF
	Thallium	1 / 1	0 42	0 42	N/A	0 504	0 421	0 504	Result*CF
	Vanadium	1 / 1	26 2	26 2	N/A	31 4	26 3	31 4	Result*CF
ADA-165	Aluminum	1 / 1	13100	13100	N/A	15700	13100	15700	Result*CF
	Antimony	1 / 1	4 59	4 59	N/A	5 51	4 6	5 51	Result*CF
	Arsenic	1 / 1	26 2	26 2	N/A	31 4	26 3	31 4	Result*CF
	RBA Adjusted Arsenic	1 / 1	7 36	7 36	N/A	8 83	7 37	8 83	Result*CF
	Cadmium	1 / 1	9 92	9 92	N/A	11 9	9 94	11 9	Result*CF
	Chromium	1 / 1	18	18	N/A	21 6	18	21 6	Result*CF
	Cobalt	1 / 1	5 99	5 99	N/A	7 19	6	7 19	Result*CF
	Iron	1 / 1	14400	14400	N/A	17300	14400	17300	Result*CF
	Lead	1 / 1	482	482	N/A	578	482	482	Mean
	RBA Adjusted Lead	1 / 1	564	564	N/A	677	564	564	Mean
	Manganese	1 / 1	625	625	N/A	750	626	750	Result*CF
	Thallium	1 / 1	0 5	0 5	N/A	0 6	0 501	0 6	Result*CF
	Vanadium	1 / 1	22 4	22 4	N/A	26 9	22 4	26 9	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-168	Aluminum	1 / 1	13100	13100	N/A	15700	13100	15700	Result*CF
	Antimony	1 / 1	4 11	4 11	N/A	4 93	4 12	4 93	Result*CF
	Arsenic	1 / 1	27 1	27 1	N/A	32 5	27 2	32 5	Result*CF
	RBA Adjusted Arsenic	1 / 1	7 61	7 61	N/A	9 13	7 62	9 13	Result*CF
	Cadmium	1 / 1	6 56	6 56	N/A	7 87	6 57	7 87	Result*CF
	Chromium	1 / 1	18 2	18 2	N/A	21 8	18 2	21 8	Result*CF
	Cobalt	1 / 1	5 85	5 85	N/A	7 02	5 86	7 02	Result*CF
	Iron	1 / 1	15700	15700	N/A	18800	15700	18800	Result*CF
	Lead	1 / 1	268	268	N/A	322	268	268	Mean
	RBA Adjusted Lead	1 / 1	314	314	N/A	376	314	314	Mean
	Manganese	1 / 1	577	577	N/A	692	578	692	Result*CF
	Thallium	1 / 1	0 36	0 36	N/A	0 432	0 361	0 432	Result*CF
	Vanadium	1 / 1	27 2	27 2	N/A	32 6	27 3	32 6	Result*CF
ADA-169	Aluminum	3 / 3	21900	20000	1630	22800	19000	22800	UCL-P
	Antimony	3 / 3	0 48	0 457	0 0208	0 492	0 411	0 492	UCL-P
	Arsenic	3 / 3	9 52	9 26	0 414	9 95	8 31	9 95	UCL-P
	RBA Adjusted Arsenic	3 / 3	2 67	2 6	0 116	2 79	2 33	2 79	UCL-P
	Cadmium	3 / 3	0 56	0 52	0 0608	0 623	0 52	0 623	UCL-P
	Chromium	3 / 3	14 3	13 4	0 954	15	12 5	15	UCL-P
	Cobalt	3 / 3	8 46	8 09	0 524	8 97	7 49	8 97	UCL-P
	Iron	3 / 3	22700	21900	1000	23600	19700	23600	UCL-P
	Lead	3 / 3	65 1	58 3	5 89	68 2	58 3	58 3	Mean
	RBA Adjusted Lead	3 / 3	76 2	68 2	6 89	79 8	68 2	68 2	Mean
	Manganese	3 / 3	667	588	82 2	727	607	727	UCL-P
	Thallium	3 / 3	0 13	0 123	0 0115	0 143	0 119	0 143	UCL-P
	Vanadium	3 / 3	19	18 6	0 458	19 4	16 2	19 4	UCL-P
ADA-170	Aluminum	1 / 1	19000	19000	N/A	22800	19000	22800	Result*CF
	Antimony	1 / 1	0 91	0 91	N/A	1 09	0 912	1 09	Result*CF
	Arsenic	1 / 1	12 5	12 5	N/A	15	12 5	15	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 51	3 51	N/A	4 21	3 52	4 21	Result*CF
	Cadmium	1 / 1	1 63	1 63	N/A	1 96	1 63	1 96	Result*CF
	Chromium	1 / 1	14 6	14 6	N/A	17 5	14 6	17 5	Result*CF
	Cobalt	1 / 1	7 01	7 01	N/A	8 41	7 02	8 41	Result*CF
	Iron	1 / 1	19400	19400	N/A	23300	19400	23300	Result*CF
	Lead	1 / 1	92 8	92 8	N/A	111	92 8	92 8	Mean
	RBA Adjusted Lead	1 / 1	109	109	N/A	130	109	109	Mean
	Manganese	1 / 1	572	572	N/A	686	573	686	Result*CF
	Thallium	1 / 1	0 19	0 19	N/A	0 228	0 19	0 228	Result*CF
	Vanadium	1 / 1	35 2	35 2	N/A	42 2	35 3	42 2	Result*CF
ADA-171	Aluminum	1 / 1	17400	17400	N/A	20900	17400	20900	Result*CF
	Antimony	1 / 1	0 91	0 91	N/A	1 09	0 912	1 09	Result*CF
	Arsenic	1 / 1	10 9	10 9	N/A	13 1	10 9	13 1	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 06	3 06	N/A	3 67	3 07	3 67	Result*CF
	Cadmium	1 / 1	1 97	1 97	N/A	2 36	1 97	2 36	Result*CF
	Chromium	1 / 1	14 4	14 4	N/A	17 3	14 4	17 3	Result*CF
	Cobalt	1 / 1	6 26	6 26	N/A	7 51	6 27	7 51	Result*CF
	Iron	1 / 1	17500	17500	N/A	21000	17500	21000	Result*CF
	Lead	1 / 1	81 1	81 1	N/A	97 3	81 1	81 1	Mean
	RBA Adjusted Lead	1 / 1	94 9	94 9	N/A	114	94 9	94 9	Mean
	Manganese	1 / 1	602	602	N/A	722	603	722	Result*CF
	Thallium	1 / 1	0 23	0 23	N/A	0 276	0 23	0 276	Result*CF
	Vanadium	1 / 1	33 4	33 4	N/A	40 1	33 5	40 1	Result*CF
ADA-172	Aluminum	1 / 1	12400	12400	N/A	14900	12400	14900	Result*CF
	Antimony	1 / 1	0 58	0 58	N/A	0 696	0 581	0 696	Result*CF
	Arsenic	1 / 1	5 58	5 58	N/A	6 7	5 59	6 7	Result*CF
	RBA Adjusted Arsenic	1 / 1	1 57	1 57	N/A	1 88	1 57	1 88	Result*CF
	Cadmium	1 / 1	0 42	0 42	N/A	0 504	0 421	0 504	Result*CF
	Chromium	1 / 1	10 4	10 4	N/A	12 5	10 4	12 5	Result*CF
	Cobalt	1 / 1	5 23	5 23	N/A	6 28	5 24	6 28	Result*CF
	Iron	1 / 1	13700	13700	N/A	16400	13700	16400	Result*CF
	Lead	1 / 1	59 1	59 1	N/A	70 9	59 1	59 1	Mean
	RBA Adjusted Lead	1 / 1	69 1	69 1	N/A	83	69 1	69 1	Mean
	Manganese	1 / 1	733	733	N/A	880	734	880	Result*CF
	Thallium	1 / 1	0 12	0 12	N/A	0 144	0 12	0 144	Result*CF
	Vanadium	1 / 1	17 9	17 9	N/A	21 5	17 9	21 5	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-173	Aluminum	3 / 3	20900	20300	666	21500	17900	21500	UCL-P
	Antimony	3 / 3	1 07	1 01	0 0709	1 13	0 94	1 13	UCL-P
	Arsenic	3 / 3	11 2	10 5	0 739	11 8	9 82	11 8	UCL-P
	RBA Adjusted Arsenic	3 / 3	3 14	2 95	0 208	3 3	2 76	3 3	UCL-P
	Cadmium	3 / 3	1 32	1 22	0 0961	1 38	1 15	1 38	UCL-P
	Chromium	3 / 3	15 7	14 6	0 929	16 2	13 5	16 2	UCL-P
	Cobalt	3 / 3	6 34	5 94	0 37	6 56	5 48	6 56	UCL-P
	Iron	3 / 3	17300	16600	656	17700	14800	17700	UCL-P
	Lead	3 / 3	81 7	76 4	8 39	90 5	76 4	76 4	Mean
	RBA Adjusted Lead	3 / 3	95 6	89 3	9 81	106	89 3	89 3	Mean
	Manganese	3 / 3	756	714	42 5	785	656	785	UCL-P
	Thallium	3 / 3	0 2	0 187	0 0115	0 206	0 172	0 206	UCL-P
	Vanadium	3 / 3	33 8	31 1	2 4	35 1	29 3	35 1	UCL-P
ADA-174	Aluminum	1 / 1	18300	18300	N/A	22000	18300	22000	Result*CF
	Antimony	1 / 1	1 06	1 06	N/A	1 27	1 06	1 27	Result*CF
	Arsenic	1 / 1	9 49	9 49	N/A	11 4	9 51	11 4	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 66	2 66	N/A	3 2	2 67	3 2	Result*CF
	Cadmium	1 / 1	2 02	2 02	N/A	2 42	2 02	2 42	Result*CF
	Chromium	1 / 1	10 5	10 5	N/A	12 6	10 5	12 6	Result*CF
	Cobalt	1 / 1	4 55	4 55	N/A	5 46	4 56	5 46	Result*CF
	Iron	1 / 1	12800	12800	N/A	15400	12800	15400	Result*CF
	Lead	1 / 1	65 6	65 6	N/A	78 7	65 6	65 6	Mean
	RBA Adjusted Lead	1 / 1	76 7	76 7	N/A	92 1	76 7	76 7	Mean
	Manganese	1 / 1	716	716	N/A	859	717	859	Result*CF
	Thallium	1 / 1	0 14	0 14	N/A	0 168	0 14	0 168	Result*CF
	Vanadium	1 / 1	23 6	23 6	N/A	28 3	23 6	28 3	Result*CF
ADA-175	Aluminum	1 / 1	17400	17400	N/A	20900	17400	20900	Result*CF
	Antimony	1 / 1	0 54	0 54	N/A	0 648	0 541	0 648	Result*CF
	Arsenic	1 / 1	6 74	6 74	N/A	8 09	6 75	8 09	Result*CF
	RBA Adjusted Arsenic	1 / 1	1 89	1 89	N/A	2 27	1 9	2 27	Result*CF
	Cadmium	1 / 1	0 74	0 74	N/A	0 888	0 741	0 888	Result*CF
	Chromium	1 / 1	19 6	19 6	N/A	23 5	19 6	23 5	Result*CF
	Cobalt	1 / 1	8 64	8 64	N/A	10 4	8 66	10 4	Result*CF
	Iron	1 / 1	17700	17700	N/A	21200	17700	21200	Result*CF
	Lead	1 / 1	70 8	70 8	N/A	85	70 8	70 8	Mean
	RBA Adjusted Lead	1 / 1	82 8	82 8	N/A	99 4	82 8	82 8	Mean
	Manganese	1 / 1	889	889	N/A	1070	891	1070	Result*CF
	Thallium	1 / 1	0 2	0 2	N/A	0 24	0 2	0 24	Result*CF
	Vanadium	1 / 1	25 2	25 2	N/A	30 2	25 3	30 2	Result*CF
ADA-176	Aluminum	1 / 1	25900	25900	N/A	31100	26000	31100	Result*CF
	Antimony	1 / 1	0 55	0 55	N/A	0 66	0 551	0 66	Result*CF
	Arsenic	1 / 1	6 75	6 75	N/A	8 1	6 76	8 1	Result*CF
	RBA Adjusted Arsenic	1 / 1	1 9	1 9	N/A	2 27	1 9	2 27	Result*CF
	Cadmium	1 / 1	0 77	0 77	N/A	0 924	0 772	0 924	Result*CF
	Chromium	1 / 1	31 4	31 4	N/A	37 7	31 5	37 7	Result*CF
	Cobalt	1 / 1	13 8	13 8	N/A	16 6	13 8	16 6	Result*CF
	Iron	1 / 1	24800	24800	N/A	29800	24800	29800	Result*CF
	Lead	1 / 1	67 2	67 2	N/A	80 6	67 2	67 2	Mean
	RBA Adjusted Lead	1 / 1	78 6	78 6	N/A	94 3	78 6	78 6	Mean
	Manganese	1 / 1	860	860	N/A	1030	862	1030	Result*CF
	Thallium	1 / 1	0 32	0 32	N/A	0 384	0 321	0 384	Result*CF
	Vanadium	1 / 1	36 8	36 8	N/A	44 2	36 9	44 2	Result*CF
ADA-177	Aluminum	1 / 1	15300	15300	N/A	18400	15300	18400	Result*CF
	Antimony	1 / 1	0 45	0 45	N/A	0 54	0 451	0 54	Result*CF
	Arsenic	1 / 1	8 89	8 89	N/A	10 7	8 91	10 7	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 5	2 5	N/A	3	2 5	3	Result*CF
	Cadmium	1 / 1	0 48	0 48	N/A	0 576	0 481	0 576	Result*CF
	Chromium	1 / 1	19 9	19 9	N/A	23 9	19 9	23 9	Result*CF
	Cobalt	1 / 1	9 75	9 75	N/A	11 7	9 77	11 7	Result*CF
	Iron	1 / 1	21000	21000	N/A	25200	21000	25200	Result*CF
	Lead	1 / 1	60 9	60 9	N/A	73 1	60 9	60 9	Mean
	RBA Adjusted Lead	1 / 1	71 2	71 2	N/A	85 5	71 2	71 2	Mean
	Manganese	1 / 1	817	817	N/A	980	819	980	Result*CF
	Thallium	1 / 1	0 14	0 14	N/A	0 168	0 14	0 168	Result*CF
	Vanadium	1 / 1	25 4	25 4	N/A	30 5	25 5	30 5	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-178	Aluminum	1 / 1	18400	18400	N/A	22100	18400	22100	Result*CF
	Antimony	1 / 1	0 48	0 48	N/A	0 576	0 481	0 576	Result*CF
	Arsenic	1 / 1	8 84	8 84	N/A	10 6	8 86	10 6	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 48	2 48	N/A	2 98	2 49	2 98	Result*CF
	Cadmium	1 / 1	0 48	0 48	N/A	0 576	0 481	0 576	Result*CF
	Chromium	1 / 1	16 7	16 7	N/A	20	16 7	20	Result*CF
	Cobalt	1 / 1	9 17	9 17	N/A	11	9 19	11	Result*CF
	Iron	1 / 1	21700	21700	N/A	26000	21700	26000	Result*CF
	Lead	1 / 1	47 4	47 4	N/A	56 9	47 4	47 4	Mean
	RBA Adjusted Lead	1 / 1	55 4	55 4	N/A	66 5	55 4	55 4	Mean
	Manganese	1 / 1	580	580	N/A	696	581	696	Result*CF
	Thallium	1 / 1	0 12	0 12	N/A	0 144	0 12	0 144	Result*CF
	Vanadium	1 / 1	27 9	27 9	N/A	33 5	28	33 5	Result*CF
ADA-179	Aluminum	1 / 1	16800	16800	N/A	20200	16800	20200	Result*CF
	Antimony	1 / 1	0 83	0 83	N/A	0 996	0 832	0 996	Result*CF
	Arsenic	1 / 1	6 94	6 94	N/A	8 33	6 95	8 33	Result*CF
	RBA Adjusted Arsenic	1 / 1	1 95	1 95	N/A	2 34	1 95	2 34	Result*CF
	Cadmium	1 / 1	1 15	1 15	N/A	1 38	1 15	1 38	Result*CF
	Chromium	1 / 1	11 6	11 6	N/A	13 9	11 6	13 9	Result*CF
	Cobalt	1 / 1	4 91	4 91	N/A	5 89	4 92	5 89	Result*CF
	Iron	1 / 1	15300	15300	N/A	18400	15300	18400	Result*CF
	Lead	1 / 1	57 3	57 3	N/A	68 8	57 3	57 3	Mean
	RBA Adjusted Lead	1 / 1	67	67	N/A	80 4	67	67	Mean
	Manganese	1 / 1	627	627	N/A	752	628	752	Result*CF
	Thallium	1 / 1	0 16	0 16	N/A	0 192	0 16	0 192	Result*CF
	Vanadium	1 / 1	27 8	27 8	N/A	33 4	27 9	33 4	Result*CF
ADA-180	Aluminum	1 / 1	15700	15700	N/A	18800	15700	18800	Result*CF
	Antimony	1 / 1	1 18	1 18	N/A	1 42	1 18	1 42	Result*CF
	Arsenic	1 / 1	8 07	8 07	N/A	9 68	8 09	9 68	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 27	2 27	N/A	2 72	2 27	2 72	Result*CF
	Cadmium	1 / 1	3 18	3 18	N/A	3 82	3 19	3 82	Result*CF
	Chromium	1 / 1	13 1	13 1	N/A	15 7	13 1	15 7	Result*CF
	Cobalt	1 / 1	5 88	5 88	N/A	7 06	5 89	7 06	Result*CF
	Iron	1 / 1	16400	16400	N/A	19700	16400	19700	Result*CF
	Lead	1 / 1	110	110	N/A	132	110	110	Mean
	RBA Adjusted Lead	1 / 1	129	129	N/A	154	129	129	Mean
	Manganese	1 / 1	704	704	N/A	845	705	845	Result*CF
	Thallium	1 / 1	0 2	0 2	N/A	0 24	0 2	0 24	Result*CF
	Vanadium	1 / 1	30 1	30 1	N/A	36 1	30 2	36 1	Result*CF
ADA-181	Aluminum	1 / 1	15500	15500	N/A	18600	15500	18600	Result*CF
	Antimony	1 / 1	1 18	1 18	N/A	1 42	1 18	1 42	Result*CF
	Arsenic	1 / 1	8 23	8 23	N/A	9 88	8 25	9 88	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 31	2 31	N/A	2 77	2 32	2 77	Result*CF
	Cadmium	1 / 1	2 66	2 66	N/A	3 19	2 67	3 19	Result*CF
	Chromium	1 / 1	11 9	11 9	N/A	14 3	11 9	14 3	Result*CF
	Cobalt	1 / 1	4 96	4 96	N/A	5 95	4 97	5 95	Result*CF
	Iron	1 / 1	14200	14200	N/A	17000	14200	17000	Result*CF
	Lead	1 / 1	86	86	N/A	103	86	86	Mean
	RBA Adjusted Lead	1 / 1	101	101	N/A	121	101	101	Mean
	Manganese	1 / 1	706	706	N/A	847	707	847	Result*CF
	Thallium	1 / 1	0 27	0 27	N/A	0 324	0 271	0 324	Result*CF
	Vanadium	1 / 1	34 2	34 2	N/A	41	34 3	41	Result*CF
ADA-182	Aluminum	1 / 1	17800	17800	N/A	21400	17800	21400	Result*CF
	Antimony	1 / 1	0 95	0 95	N/A	1 14	0 952	1 14	Result*CF
	Arsenic	1 / 1	7 34	7 34	N/A	8 81	7 35	8 81	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 06	2 06	N/A	2 47	2 06	2 47	Result*CF
	Cadmium	1 / 1	3 67	3 67	N/A	4 4	3 68	4 4	Result*CF
	Chromium	1 / 1	16 9	16 9	N/A	20 3	16 9	20 3	Result*CF
	Cobalt	1 / 1	6 9	6 9	N/A	8 28	6 91	8 28	Result*CF
	Iron	1 / 1	17300	17300	N/A	20800	17300	20800	Result*CF
	Lead	1 / 1	34 8	34 8	N/A	41 8	34 8	34 8	Mean
	RBA Adjusted Lead	1 / 1	40 7	40 7	N/A	48 9	40 7	40 7	Mean
	Manganese	1 / 1	451	451	N/A	541	452	541	Result*CF
	Thallium	1 / 1	0 15	0 15	N/A	0 18	0 15	0 18	Result*CF
	Vanadium	1 / 1	36 2	36 2	N/A	43 4	36 3	43 4	Result*CF

Table 3-28. Upland ADA Surface Soil EPCs

ADA	Analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation, Detected Concentrations (mg/kg)	95% t-statistic UCL or Equivalent [b] (mg/kg)	Selected EPC for both RME and CTE Risks		
							Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
ADA-183	Aluminum	1 / 1	11800	11800	N/A	14200	11800	14200	Result*CF
	Antimony	1 / 1	2 66	2 66	N/A	3 19	2 67	3 19	Result*CF
	Arsenic	1 / 1	12 9	12 9	N/A	15 5	12 9	15 5	Result*CF
	RBA Adjusted Arsenic	1 / 1	3 62	3 62	N/A	4 35	3 63	4 35	Result*CF
	Cadmium	1 / 1	11 3	11 3	N/A	13 6	11 3	13 6	Result*CF
	Chromium	1 / 1	14 2	14 2	N/A	17	14 2	17	Result*CF
	Cobalt	1 / 1	6 07	6 07	N/A	7 28	6 08	7 28	Result*CF
	Iron	1 / 1	14000	14000	N/A	16800	14000	16800	Result*CF
	Lead	1 / 1	49 6	49 6	N/A	59 5	49 6	49 6	Mean
	RBA Adjusted Lead	1 / 1	58	58	N/A	69 6	58	58	Mean
	Manganese	1 / 1	422	422	N/A	506	423	506	Result*CF
	Thallium	1 / 1	0 19	0 19	N/A	0 228	0 19	0 228	Result*CF
	Vanadium	1 / 1	48 4	48 4	N/A	58 1	48 5	58 1	Result*CF
ADA-184	Aluminum	1 / 1	14400	14400	N/A	17300	14400	17300	Result*CF
	Antimony	1 / 1	0 91	0 91	N/A	1 09	0 912	1 09	Result*CF
	Arsenic	1 / 1	8 58	8 58	N/A	10 3	8 6	10 3	Result*CF
	RBA Adjusted Arsenic	1 / 1	2 41	2 41	N/A	2 89	2 41	2 89	Result*CF
	Cadmium	1 / 1	6 54	6 54	N/A	7 85	6 55	7 85	Result*CF
	Chromium	1 / 1	10 8	10 8	N/A	13	10 8	13	Result*CF
	Cobalt	1 / 1	6 52	6 52	N/A	7 82	6 53	7 82	Result*CF
	Iron	1 / 1	14400	14400	N/A	17300	14400	17300	Result*CF
	Lead	1 / 1	72 1	72 1	N/A	86 5	72 1	72 1	Mean
	RBA Adjusted Lead	1 / 1	84 3	84 3	N/A	101	84 3	84 3	Mean
	Manganese	1 / 1	827	827	N/A	992	829	992	Result*CF
	Thallium	1 / 1	0 15	0 15	N/A	0 18	0 15	0 18	Result*CF
	Vanadium	1 / 1	24 4	24 4	N/A	29 3	24 4	29 3	Result*CF

ADA = Aerial Deposition Area; N/A = Not Available UCL = Upper confidence limit; UCL-P = Parametric UCL

[a]Field replicates treated as individual samples

[b]T-statistic 95UCL = mean concentration across replicates + (2 92 * standard deviation / √(3)) EPCs from a single incremental composite (IC) sample when ≥3 ICS composite samples were not available for estimating the 95UCL were estimated by applying a site-specific confidence factor (CF; 1 2) to the soil concentration measured in the single ICS composite sample (See Appendix 12)

[c]With the exception of Lead and RBA Adjusted Lead, an adjustment factor of 0 7 was applied to the soil concentration to generate an indoor dust concentration (where indoor dust EPC = outdoor soil EPC *0 7) A combined Soil/Dust EPC was generated for use in Ingestion pathway risk calculations [combined soil/dust EPC = (outdoor soil EPC * 0 45) + ((outdoor soil EPC * 0 7) * 0 55)] The lead EPC was adjusted for dust within the IEUBK model 95UCL were estimated by applying a site-specific confidence factor (CF; 1 2) to the soil concentration measured in the single ICS composite sample (See Appendix 12)

Table 3-29. Fish Tissue EPCs by Species

Species	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg ww)	Arithmetic Mean Detected Concentration (mg/kg ww)	Standard Deviation (mg/kg ww)	95% UCL[a] (mg/kg ww)	UCL Statistic[a]	Selected Exposure Point Concentration for both RME and CT risks		
								Value	Units	Rationale[a]
Burbot	4,4'-DDE	6 / 10	0 0013	0 00105	0 000182	0 00102	95% KM (t) UCL	0 00102	mg/kg ww	UCL-NP
	Aluminum	11 / 26	1 76	0 811	0 493	0 697	95% KM (t) UCL	0 697	mg/kg ww	UCL-NP
	Antimony	5 / 26	0 109	0 0264	0 0466	0 0277	Gamma Adjusted KM-UCL	0 0277	mg/kg ww	UCL-NP
	Inorganic Arsenic	0 / 26	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	bis(2-Ethylhexyl)phthalate	0 / 10	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Chromium	23 / 26	0 24	0 053	0 0547	0 0625	KM H-UCL	0 0625	mg/kg ww	UCL-NP
	Dieldrin	0 / 10	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Heptachlor epoxide	0 / 10	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Hexachlorobenzene	0 / 10	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Lead	18 / 26	0 0838	0 0234	0 016	0 0237	KM Student's t	0 0213	mg/kg ww	KM Mean [b]
	Mercury	26 / 26	0 292	0 232	0 0377	0 245	95% Student's-t UCL	0 245	mg/kg ww	UCL-P
	PBDE_cong_47	10 / 10	0 00248	0 0012	0 000669	0 00159	95% Student's-t UCL	0 00159	mg/kg ww	UCL-P
	Selenium	26 / 26	0 528	0 331	0 0771	0 357	95% Student's-t UCL	0 357	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=0)	26 / 26	1 34E-08	7 04E-09	3 51E-09	8 22E-09	95% Student's-t UCL	8 22E-09	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=1/2DL)	26 / 26	0 000000792	0 000000352	0 000000294	0 000000604	95% Chebyshev (Mean, Sd) UCL	0 000000604	mg/kg ww	UCL-NP
	TEQ - Dioxins/Furans (ND=0)	23 / 26	7 83E-08	2 96E-08	1 56E-08	3 38E-08	95% KM Adjusted Gamma UCL	3 38E-08	mg/kg ww	UCL-NP
	TEQ - Dioxins/Furans (ND=1/2DL)	23 / 26	0 000000514	0 000000247	0 000000122	0 000000275	95% KM (t) UCL	0 000000275	mg/kg ww	UCL-NP
	Thallium	15 / 26	0 0123	0 0076	0 00224	0 00733	95% KM (t) UCL	0 00733	mg/kg ww	UCL-NP
	Total PCBs (non-dioxin-like congeners;ND=0)	26 / 26	0 00308	0 00164	0 000757	0 00189	95% Student's-t UCL	0 00189	mg/kg ww	UCL-P
	Zirconium	1 / 10	0 00214	0 00214	N/A	N/A	N/A	0 00214	mg/kg ww	Maximum
Kokanee	4,4'-DDE	12 / 12	0 0036	0 00204	0 000651	0 00237	95% Student's-t UCL	0 00237	mg/kg ww	UCL-P
	Aluminum	30 / 35	2 25	0 617	0 344	0 698	95% KM Adjusted Gamma UCL	0 698	mg/kg ww	UCL-NP
	Antimony	30 / 35	0 0348	0 00852	0 00703	0 0106	95% GROS Adjusted Gamma UCL	0 0106	mg/kg ww	UCL-P
	Inorganic Arsenic[c]	13 / 35	0 00556	0 00417	0 000782	0 00387	95% KM (t) UCL	0 00387	mg/kg ww	UCL-P
	bis(2-Ethylhexyl)phthalate	0 / 12	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Chromium	26 / 35	0 184	0 0667	0 0425	0 0665	95% KM (t) UCL	0 0665	mg/kg ww	UCL-NP
	Dieldrin	2 / 12	0 00027	0 00025	0 0000283	N/A	N/A	0 00027	mg/kg ww	Maximum
	Heptachlor epoxide	0 / 12	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Hexachlorobenzene	12 / 12	0 0029	0 000996	0 000656	0 00136	95% Modified-t UCL	0 00136	mg/kg ww	UCL-P
	Lead	22 / 35	0 0203	0 00467	0 00383	0 00639	95% KM (Chebyshev) UCL	0 00397	mg/kg ww	KM Mean [b]
	Mercury	35 / 35	0 0753	0 0634	0 00608	0 0652	95% Student's-t UCL	0 0652	mg/kg ww	UCL-P
	PBDE_cong_47	12 / 12	0 00333	0 00239	0 000508	0 00265	95% Student's-t UCL	0 00265	mg/kg ww	UCL-P
	Selenium	35 / 35	0 529	0 265	0 0673	0 286	95% Adjusted Gamma UCL	0 286	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=0)	35 / 35	0 000000277	2 26E-08	4 44E-08	5 54E-08	95% Chebyshev (Mean, Sd) UCL	5 54E-08	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=1/2DL)	35 / 35	0 000000315	0 000000179	0 000000024	0 000000187	95% Modified-t UCL	0 000000187	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=0)	35 / 35	9 33E-08	6 78E-08	9 32E-09	7 05E-08	95% Student's-t UCL	7 05E-08	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=1/2DL)	35 / 35	0 000000566	0 000000343	0 000000113	0 000000375	95% Student's-t UCL	0 000000375	mg/kg ww	UCL-P
	Thallium	33 / 35	0 0354	0 0287	0 00324	0 0294	95% KM (t) UCL	0 0294	mg/kg ww	UCL-NP
	Total PCBs (non-dioxin-like congeners;ND=0)	35 / 35	0 0117	0 00727	0 00157	0 00772	95% Student's-t UCL	0 00772	mg/kg ww	UCL-P
	Zirconium	5 / 12	0 0248	0 00774	0 00985	0 00763	95% KM (t) UCL	0 00763	mg/kg ww	UCL-NP

Table 3-29. Fish Tissue EPCs by Species

Species	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg ww)	Arithmetic Mean Detected Concentration (mg/kg ww)	Standard Deviation (mg/kg ww)	95% UCL[a] (mg/kg ww)	UCL Statistic[a]	Selected Exposure Point Concentration for both RME and CT risks		
								Value	Units	Rationale[a]
Northern Pike	Aluminum	8 / 12	0 81	0 382	0 265	0 434	95% KM (t) UCL	0 434	mg/kg ww	UCL-NP
	Antimony	2 / 12	0 00103	0 00103	0 00000707	0 00103	95% KM (t) UCL	0 00103	mg/kg ww	UCL-NP
	Inorganic Arsenic	0 12	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Chromium	12 / 12	0 177	0 0911	0 0446	0 114	95% Student's-t UCL	0 114	mg/kg ww	UCL-P
	Lead	12 / 12	0 0196	0 00355	0 00508	0 00994	95% Chebyshev (Mean, Sd) UCL	0 00355	mg/kg ww	KM Mean [b]
	Mercury	12 / 12	0 211	0 0962	0 0415	0 122	95% Adjusted Gamma UCL	0 122	mg/kg ww	UCL-P
	Selenium	12 / 12	0 772	0 56	0 168	0 647	95% Student's-t UCL	0 647	mg/kg ww	UCL-P
	Thallium	12 / 12	0 0153	0 012	0 00201	0 0131	95% Student's-t UCL	0 0131	mg/kg ww	UCL-P
Rainbow Trout	4,4'-DDE	12 / 12	0 018	0 00455	0 00472	0 00755	95% H-UCL	0 00755	mg/kg ww	UCL-P
	Aluminum	34 / 51	1 43	0 616	0 243	0 667	95% KM (t) UCL	0 667	mg/kg ww	UCL-NP
	Antimony	25 / 51	0 0521	0 0121	0 0117	0 0129	95% GROS Approximate Gamma UCL	0 0129	mg/kg ww	UCL-P
	Inorganic Arsenic[c]	33 / 51	0 00611	0 00406	0 00113	0 00398	95% KM (t) UCL	0 00398	mg/kg ww	UCL-NP
	bis(2-Ethylhexyl)phthalate	0 / 12	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Chromium	41 / 51	0 721	0 184	0 209	0 273	95% KM (Chebyshev) UCL	0 273	mg/kg ww	UCL-NP
	Dieldrin	2 / 12	0 00023	0 00022	0 0000141	N/A	N/A	0 00023	mg/kg ww	Maximum
	Heptachlor epoxide	0 / 12	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Hexachlorobenzene	10 / 12	0 0021	0 0013	0 000354	0 00146	95% KM (t) UCL	0 00146	mg/kg ww	UCL-NP
	Lead	32 / 51	0 0765	0 0323	0 024	0 0361	95% KM (Chebyshev) UCL	0 0216	mg/kg ww	KM Mean [b]
	Mercury	51 / 51	0 133	0 0792	0 0233	0 0847	95% Student's-t UCL	0 0847	mg/kg ww	UCL-P
	PBDE cong 47	12 / 12	0 0128	0 00577	0 00372	0 0077	95% Student's-t UCL	0 0077	mg/kg ww	UCL-P
	Selenium	51 / 51	0 609	0 315	0 0964	0 339	95% Approximate Gamma UCL	0 339	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=0)	40 / 40	0 0000015	0 000000297	0 000000371	0 000000553	95% Chebyshev (Mean, Sd) UCL	0 000000553	mg/kg ww	UCL-NP
	TEQ - DL PCBs (ND=1/2DL)	40 / 40	0 0000015	0 00000039	0 000000311	0 000000604	95% Chebyshev (Mean, Sd) UCL	0 000000604	mg/kg ww	UCL-NP
	TEQ - Dioxins/Furans (ND=0)	48 / 51	0 00000038	0 000000132	9 96E-08	0 000000152	95% KM Approximate Gamma UCL	0 000000152	mg/kg ww	UCL-NP
	TEQ - Dioxins/Furans (ND=1/2DL)	48 / 51	0 000000939	0 000000311	0 000000221	0 000000356	KM H-UCL	0 000000356	mg/kg ww	UCL-NP
	Thallium	36 / 51	0 0424	0 0232	0 00623	0 025	95% KM (t) UCL	0 025	mg/kg ww	UCL-NP
	Total PCBs (aroclors;ND=0)	15 / 15	0 0366	0 0132	0 00912	0 0187	95% Adjusted Gamma UCL	0 0187	mg/kg ww	UCL-P
	Total PCBs (non-dioxin-like congeners;ND=0)	40 / 40	0 0507	0 0137	0 0105	0 021	95% Chebyshev (Mean, Sd) UCL	0 021	mg/kg ww	UCL-NP
	Zirconium	5 / 10	0 00972	0 00636	0 00312	0 00586	95% KM (t) UCL	0 00586	mg/kg ww	UCL-NP

Table 3-29. Fish Tissue EPCs by Species

Species	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg ww)	Arithmetic Mean Detected Concentration (mg/kg ww)	Standard Deviation (mg/kg ww)	95% UCL[a] (mg/kg ww)	UCL Statistic[a]	Selected Exposure Point Concentration for both RME and CT risks		
								Value	Units	Rationale[a]
Smallmouth bass	4,4'-DDE	7 / 10	0 0054	0 00293	0 00128	0 0032	95% KM (t) UCL	0 0032	mg/kg ww	UCL-NP
	Aluminum	18 / 24	1 01	0 524	0 182	0 548	KM Student's t	0 548	mg/kg ww	UCL-NP
	Antimony	16 / 24	0 0168	0 00897	0 00455	0 00932	95% KM (t) UCL	0 00932	mg/kg ww	UCL-NP
	Inorganic Arsenic[c]	13 / 24	0 00855	0 00549	0 00172	0 0051	95% KM (t) UCL	0 0051	mg/kg ww	UCL-NP
	bis(2-Ethylhexyl)phthalate	0 / 10	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Chromium	23 / 24	0 414	0 0837	0 0868	0 111	KM H-UCL	0 111	mg/kg ww	UCL-NP
	Dieldrin	0 / 10	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Heptachlor epoxide	0 / 10	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Hexachlorobenzene	2 / 10	0 001	0 000805	0 000276	N/A	N/A	0 001	mg/kg ww	Maximum
	Lead	10 / 24	0 0573	0 039	0 0184	0 0373	95% KM (Chebyshev) UCL	0 0168	mg/kg ww	KM Mean[b]
	Mercury	87 / 87	0 41	0 162	0 0593	0 173	95% Approximate Gamma UCL	0 173	mg/kg ww	UCL-P
	PBDE_cong_47	9 / 9	0 0134	0 00406	0 00368	0 00745	95% Adjusted Gamma UCL	0 00745	mg/kg ww	UCL-P
	Selenium	22 / 24	0 853	0 41	0 178	0 471	95% KM Adjusted Gamma UCL	0 471	mg/kg ww	UCL-NP
	TEQ - DL PCBs (ND=0)	24 / 24	0 000000536	4 75E-08	0 000000123	0 000000157	95% Chebyshev (Mean, Sd) UCL	0 000000157	mg/kg ww	UCL-NP
	TEQ - DL PCBs (ND=1/2DL)	24 / 24	0 000000836	0 000000481	0 000000306	0 000000753	95% Chebyshev (Mean, Sd) UCL	0 000000753	mg/kg ww	UCL-NP
	TEQ - Dioxins/Furans (ND=0)	24 / 24	6 36E-08	2 51E-08	0 000000013	2 96E-08	95% Student's-t UCL	2 96E-08	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=1/2DL)	24 / 24	0 000000755	0 000000158	0 000000167	0 000000307	95% Chebyshev (Mean, Sd) UCL	0 000000307	mg/kg ww	UCL-NP
	Thallium	19 / 24	0 037	0 0243	0 00789	0 0258	95% KM Adjusted Gamma UCL	0 0258	mg/kg ww	UCL-NP
	Total PCBs (non-dioxin-like congeners;ND=0)	24 / 24	0 0265	0 00557	0 00493	0 0072	95% Adjusted Gamma UCL	0 0072	mg/kg ww	UCL-P
	Zirconium	2 / 10	0 00173	0 00136	0 000515	N/A	N/A	0 00173	mg/kg ww	Maximum
Sturgeon	Aluminum	6 / 9	1 23	0 644	0 303	0 712	95% KM (t) UCL	0 712	mg/kg ww	UCL-NP
	Antimony	0 / 9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	All ND
	Inorganic Arsenic	0 / 9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	All ND
	Chromium	9 / 9	0 143	0 0713	0 0363	0 0938	95% Student's-t UCL	0 0938	mg/kg ww	UCL-P
	Lead	9 / 9	0 0111	0 00504	0 00241	0 007	95% Adjusted Gamma UCL	0 00504	mg/kg ww	KM Mean[b]
	Mercury	9 / 9	0 108	0 0822	0 0201	0 0946	95% Student's-t UCL	0 0946	mg/kg ww	UCL-P
	PBDE_cong_47	9 / 9	0 00354	0 00187	0 000835	0 00238	95% Student's-t UCL	0 00238	mg/kg ww	UCL-P
	Selenium	9 / 9	1 23	1 06	0 137	1 14	95% Student's-t UCL	1 14	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=0)	9 / 9	0 000000229	0 00000014	5 95E-08	0 000000177	95% Student's-t UCL	0 000000177	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=1/2DL)	9 / 9	0 000000229	0 00000014	5 95E-08	0 000000177	95% Student's-t UCL	0 000000177	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=0)	9 / 9	0 000000192	0 000000104	0 000000051	0 000000136	95% Student's-t UCL	0 000000136	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=1/2DL)	9 / 9	0 00000029	0 000000204	5 06E-08	0 000000235	95% Student's-t UCL	0 000000235	mg/kg ww	UCL-P
	Thallium	9 / 9	0 0042	0 00332	0 000834	0 00384	95% Student's-t UCL	0 00384	mg/kg ww	UCL-P
	Total PCBs (non-dioxin-like congeners;ND=0)	9 / 9	0 0121	0 00723	0 00239	0 00871	95% Student's-t UCL	0 00871	mg/kg ww	UCL-P

Table 3-29. Fish Tissue EPCs by Species

Species	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg ww)	Arithmetic Mean Detected Concentration (mg/kg ww)	Standard Deviation (mg/kg ww)	95% UCL[a] (mg/kg ww)	UCL Statistic[a]	Selected Exposure Point Concentration for both RME and CT risks		
								Value	Units	Rationale[a]
Sucker	4,4'-DDE	15 / 16	0 052	0 0119	0 0127	0 0167	95% KM (t) UCL	0 0167	mg/kg ww	UCL-NP
	Aluminum	23 / 43	3 25	1 36	0 815	1 11	95% KM (t) UCL	1 11	mg/kg ww	UCL-NP
	Antimony	22 / 43	0 027	0 00839	0 00671	0 0106	95% GROS Adjusted Gamma UCL	0 0106	mg/kg ww	UCL-P
	Inorganic Arsenic[c]	22 / 43	0 0118	0 00569	0 00178	0 00492	95% KM (BCA) UCL	0 00492	mg/kg ww	UCL-NP
	bis(2-Ethylhexyl)phthalate	2 / 16	0 49	0 38	0 156	N/A	N/A	0 49	mg/kg ww	Maximum
	Chromium	32 / 43	0 569	0 107	0 12	0 112	KM H-UCL	0 112	mg/kg ww	UCL-NP
	Dieldrin	1 / 16	0 000253	0 000253	N/A	N/A	N/A	0 000253	mg/kg ww	Maximum
	Heptachlor epoxide	4 / 16	0 00077	0 000523	0 00024	0 000368	95% KM (t) UCL	0 000368	mg/kg ww	UCL-NP
	Hexachlorobenzene	15 / 16	0 00363	0 00182	0 000934	0 00215	95% KM (t) UCL	0 00215	mg/kg ww	UCL-NP
	Lead	35 / 43	0 775	0 163	0 19	0 199	Gamma Adjusted KM-UCL	0 135	mg/kg ww	KM Mean[b]
	Mercury	43 / 43	0 584	0 256	0 156	0 296	95% Student's-t UCL	0 296	mg/kg ww	UCL-P
	PBDE cong 47	16 / 16	0 0501	0 0213	0 0153	0 028	95% Student's-t UCL	0 028	mg/kg ww	UCL-P
	Selenium	40 / 43	0 552	0 278	0 0787	0 296	95% KM (t) UCL	0 296	mg/kg ww	UCL-NP
	TEQ - DL PCBs (ND=0)	43 / 43	0 00000238	0 000000725	0 000000628	0 00000101	95% Adjusted Gamma UCL	0 00000101	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=1/2DL)	43 / 43	0 00000238	0 000000919	0 000000499	0 00000107	95% Adjusted Gamma UCL	0 00000107	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=0)	43 / 43	0 000000646	0 000000159	0 000000149	0 000000204	95% Adjusted Gamma UCL	0 000000204	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=1/2DL)	43 / 43	0 00000083	0 000000298	0 000000191	0 000000356	95% Adjusted Gamma UCL	0 000000356	mg/kg ww	UCL-P
	Thallium	38 / 43	0 0356	0 0126	0 00643	0 0134	95% KM (t) UCL	0 0134	mg/kg ww	UCL-NP
	Total PCBs (non-dioxin-like congeners;ND=0)	43 / 43	0 217	0 0457	0 0468	0 0596	95% Adjusted Gamma UCL	0 0596	mg/kg ww	UCL-P
	Zirconium	6 / 16	0 0061	0 00266	0 00196	0 00225	95% KM (t) UCL	0 00225	mg/kg ww	UCL-NP
Walleye	4,4'-DDE	12 / 12	0 0015	0 00113	0 000291	0 00128	95% Student's-t UCL	0 00128	mg/kg ww	UCL-P
	Aluminum	32 / 50	280	9 41	49 4	30 8	95% KM (Chebyshev) UCL	30 8	mg/kg ww	UCL-NP
	Antimony	21 / 50	0 0293	0 0116	0 00724	0 011	95% KM (t) UCL	0 011	mg/kg ww	UCL-NP
	Inorganic Arsenic[c]	38 / 50	0 00984	0 00538	0 00141	0 00528	95% KM (t) UCL	0 00528	mg/kg ww	UCL-NP
	bis(2-Ethylhexyl)phthalate	1 / 12	0 22	0 22	N/A	N/A	N/A	0 22	mg/kg ww	Maximum
	Chromium	49 / 50	0 9	0 197	0 207	0 321	95% KM (Chebyshev) UCL	0 321	mg/kg ww	UCL-NP
	Dieldrin	0 / 12	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Heptachlor epoxide	0 / 12	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Hexachlorobenzene	1 / 12	0 0012	0 0012	N/A	N/A	N/A	0 0012	mg/kg ww	Maximum
	Lead	33 / 50	0 0624	0 0373	0 0148	0 0384	95% KM (Chebyshev) UCL	0 026	mg/kg ww	KM Mean[b]
	Mercury	265 / 265	0 487	0 172	0 0717	0 179	95% Approximate Gamma UCL	0 179	mg/kg ww	UCL-P
	PBDE_cong_47	12 / 12	0 00468	0 00297	0 00103	0 00351	95% Student's-t UCL	0 00351	mg/kg ww	UCL-P
	Selenium	50 / 50	0 57	0 341	0 0842	0 361	95% Student's-t UCL	0 361	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=0)	39 / 39	0 0000003	0 000000028	5 67E-08	6 76E-08	95% Chebyshev (Mean, Sd) UCL	6 76E-08	mg/kg ww	UCL-NP
	TEQ - DL PCBs (ND=1/2DL)	39 / 39	0 000000317	0 000000178	3 49E-08	0 000000187	95% Modified-t UCL	0 000000187	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=0)	40 / 50	7 96E-08	2 42E-08	2 13E-08	4 95E-08	99% KM (Chebyshev) UCL	4 95E-08	mg/kg ww	UCL-NP
	TEQ - Dioxins/Furans (ND=1/2DL)	40 / 50	0 000000412	0 000000225	9 21E-08	0 000000242	95% KM (t) UCL	0 000000242	mg/kg ww	UCL-NP
	Thallium	37 / 50	0 0739	0 0355	0 0147	0 0368	95% KM (t) UCL	0 0368	mg/kg ww	UCL-NP
	Total PCBs (aroclors;ND=0)	15 / 15	0 014	0 00391	0 00294	0 00505	95% H-UCL	0 00505	mg/kg ww	UCL-P
	Total PCBs (non-dioxin-like congeners;ND=0)	39 / 39	0 0113	0 00568	0 00208	0 00624	95% Student's-t UCL	0 00624	mg/kg ww	UCL-P
	Zirconium	5 / 12	0 191	0 0914	0 0915	0 0786	95% KM (t) UCL	0 0786	mg/kg ww	UCL-NP

Table 3-29. Fish Tissue EPCs by Species

Species	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg ww)	Arithmetic Mean Detected Concentration (mg/kg ww)	Standard Deviation (mg/kg ww)	95% UCL[a] (mg/kg ww)	UCL Statistic[a]	Selected Exposure Point Concentration for both RME and CT risks		
								Value	Units	Rationale[a]
Whitefish	4,4'-DDE	9 / 9	0 0076	0 00467	0 00173	0 00574	95% Student's-t UCL	0 00574	mg/kg ww	UCL-P
	Aluminum	16 / 23	6 42	1 43	1 48	1 86	95% KM Adjusted Gamma UCL	1 86	mg/kg ww	UCL-NP
	Antimony	13 / 23	0 0159	0 00452	0 00361	0 00613	95% KM (Chebyshev) UCL	0 00613	mg/kg ww	UCL-NP
	Inorganic Arsenic[c]	9 / 23	0 0123	0 00783	0 0027	0 00716	95% KM (t) UCL	0 00716	mg/kg ww	UCL-NP
	bis(2-Ethylhexyl)phthalate	0 / 9	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Chromium	3 / 23	0 0512	0 034	0 0148	N/A	N/A	0 0512	mg/kg ww	Maximum
	Dieldrin	6 / 9	0 00044	0 000312	0 0000752	0 000327	95% KM (t) UCL	0 000327	mg/kg ww	UCL-NP
	Heptachlor epoxide	2 / 9	0 00045	0 00036	0 000127	N/A	N/A	0 00045	mg/kg ww	Maximum
	Hexachlorobenzene	8 / 9	0 0036	0 00208	0 000973	0 00257	95% KM (t) UCL	0 00257	mg/kg ww	UCL-NP
	Lead	20 / 23	0 0215	0 0097	0 00419	0 0105	95% KM (t) UCL	0 00892	mg/kg ww	KM Mean [b]
	Mercury	23 / 23	0 141	0 0885	0 0245	0 0973	95% Student's-t UCL	0 0973	mg/kg ww	UCL-P
	PBDE cong 47	9 / 9	0 0243	0 0135	0 00746	0 0182	95% Student's-t UCL	0 0182	mg/kg ww	UCL-P
	Selenium	22 / 23	0 393	0 279	0 0819	0 303	95% KM (t) UCL	0 303	mg/kg ww	UCL-NP
	TEQ - DL PCBs (ND=0)	23 / 23	0 00000187	0 000000666	0 000000345	0 000000789	95% Student's-t UCL	0 000000789	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=1/2DL)	23 / 23	0 00000188	0 000000706	0 00000031	0 000000819	95% Adjusted Gamma UCL	0 000000819	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=0)	23 / 23	0 000000986	0 000000483	0 000000228	0 000000564	95% Student's-t UCL	0 000000564	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=1/2DL)	23 / 23	0 00000106	0 000000602	0 000000227	0 000000684	95% Modified-t UCL	0 000000684	mg/kg ww	UCL-P
	Thallium	21 / 23	0 0289	0 0152	0 00491	0 0164	95% KM (t) UCL	0 0164	mg/kg ww	UCL-NP
	Total PCBs (non-dioxin-like congeners;ND=0)	23 / 23	0 0499	0 0198	0 00935	0 0234	95% Adjusted Gamma UCL	0 0234	mg/kg ww	UCL-P
	Zirconium	4 / 9	0 0146	0 00467	0 00661	0 0128	Gamma Adjusted KM-UCL	0 0128	mg/kg ww	UCL-NP

N/A = not applicable; ND = not detected; UCL = upper confidence limit; UCL-P = Parametric UCL; UCL-NP = Nonparametric UCL

[a]Based on recommendations from ProUCL, version 5 1 00 software (EPA, 2015d); includes non-detects treated per recommendations for each statistical method:

Adjusted Gamma UCL assumes approximate gamma distribution
Approximate Gamma UCL assumes approximate gamma distribution
Chebyshev (Mean, Sd) UCL obtained using classical sample mean and standard deviation
GROS Adjusted Gamma UCL based on the ROS method for a gamma distribution
GROS Approximate Gamma UCL based on the ROS method for a gamma distribution
H-UCL based on Land's H-statistic; assumes lognormality
KM (Chebyshev) UCL based on Kaplan-Meier method using the Chebyshev inequality
KM (t) UCL based on Kaplan-Meier method using the t-distribution cutoff value
KM Adjusted Gamma UCL based on Kaplan-Meier method adjusted for level significance
KM Approximate Gamma UCL based on Kaplan-Meier method using chi-square approximation
KM H-UCL based on Kaplan-Meier method and Land's H-Statistic
KM Student's t based on Kaplan-Meier method using Student's t-distribution
Modified-t UCL modified for skewness
Student's t UCL based on Student's t-distribution

[b] Mean calculated using KM method

[c] Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

Table 3-30. IEUBK Input Parameters Based on EPA (2016a) and Site-Specific Information

Parameter	Value	Basis
Soil concentration (mg/kg)	C_{soil}	EPC soil concentration, which was the RBA-adjusted arithmetic mean for each DU or ADA (the average of the 3 IC sample results, if replicates were collected, for that DU or ADA, or the single sample result if only 1 IC sample was collected; discrete samples were not included); see Section 3.3.1 for more information
Dust concentration (mg/kg)	$C_{dust} = 0.7 \bullet C_{soil(weighted)} +$ (air concentration • 100)	Indoor dust lead was derived from residential soil data (all non-beach and non-dripline DUs were considered potential future house DUs) and air based on Site-specific data (EPA, 1994b, 1994c)
Outdoor air concentration (µg per cubic meter [m^3])	0.023‡	ProUCL (the KM mean) based on Sheep Creek 2002-2009 monitoring data
Indoor air concentration (µg/m^3)	30% of outdoor air concentration	IEUBK Default (EPA, 1994b, 1994c)
Drinking water concentration (µg per liter [L])	0.9	EPA (2016a)
Maternal PbB at birth (µg/dL)*	0.6	Based on National Health and Nutrition Examination Survey (NHANES) update (2009-2014) (EPA, 2017d)
Absorption fractions† at low intakes: Air Diet Water Soil/dust Sediment and disturbed surface water	 32% 50% 50% DU- or ADA-specific DU- or ADA-specific	 IEUBK Default (EPA, 1994b, 1994c) IEUBK Default (EPA, 1994b, 1994c) IEUBK Default (EPA, 1994b, 1994c) SRC (2017); see Appendix 11 SRC (2017); see Appendix 11
RBA (soil/dust)	DU- or ADA-specific RBA %	SRC (2017); see Appendix 11
Fraction soil	45%	IEUBK Default (EPA, 1994b, 1994c)
GSD	1.6	IEUBK Default (EPA, 1994b, 1994c)
Target PbB	3, 5, and 8 µg/dL	Within the risk range of child PbBs associated with adverse health effects from EPA (2016a)

*Maternal PbB at birth does not impact results for the 12-72-month age range.
† Absorption fraction% = RBA% * 0.5.
‡ Note that the concentration of lead in UCR air (CH2MHill, 2015) is an order of magnitude lower than the default air lead concentration in the IEUBK model (0.1 µg/m^3) and is not likely to influence the results.

Table 3-31. Age-dependent Inputs to the IEUBK Model Based on TRW Lead Committee Recommendations (EPA, 2016a, 2017c)

Age[1] (months)	Air		Diet[3]	Water[4]	Soil-Dust[5]
	Time Outdoors (hrs)	Ventilation Rate[2] (m^3/day)	Dietary Intake (μg/day)	Intake (L/day)	Incidental Ingestion Rate (mg/day)[6]
0 to <12	1.0	3.22	2.66	0.4	86
12 to <24	2.0	4.97	5.03	0.43	94
24 to <36	3.0	6.09	5.21	0.51	67
36 to <48	4.0	6.95	5.38	0.54	63
48 to <60	4.0	7.68	5.64	0.57	67
60 to <72	4.0	8.32	6.04	0.6	52

[1] The recommended age range for Superfund sites using the IEUBK model is 12-72 months (EPA, 2017c)

[2] The values shown are the midpoint of the age range. This version of the IEUBK model (version 1.1, build 11) uses the midpoint values of the regression equation used to calculate inhalation rate as a continuous non-linear function of age (EPA, 2016a)

[3] TRW Lead Committee analysis (EPA, 2016a) of Dietary Pb Concentration 1995-2005 TDS (FDA, 2010); Dietary Intake 2003-06 NHANES WWEIA (CDC, 2010a, 2010b); Methodology NCI Method (Parsons et al., 2009; Tooze et al., 2006)

[4] TRW Lead Committee analysis (EPA, 2016a) of Office of Water Six-Year data (EPA, 2010b, 2010c)

[5] Soil-dust ingestion rate in the IEUBK model is apportioned as follows: 45% intake is soil and 55% intake is dust

[6] TRW Lead Committee analysis (EPA, 2016a) of age-specific values derived from structural equations modeling of children from Bunker Hill Superfund site assuming 50% dust, 25% yard soil, 10% neighborhood soil, and 15% community soil (von Lindern et al., 2016)

Table 3-32. Dermal Absorption Fractions (ABS_d) for COPCs in Soil

COPC	ABS_d
2,4'-DDD	0.1
2,4'-DDT	0.1
4,4'-DDT	0.03
Arsenic	0.03
bis(2-Ethylhexyl)phthalate	0.1
Cadmium	0.001
Chlordane	0.04
Dieldrin	0.1
PBDE_cong_47	0.1
PBDE_cong_99	0.1
TEQ - dioxin-like PCBs	0.03
TEQ - Dioxins/Furans	0.03
Total PCBs (non-dioxin-like congeners)	0.14

Source: EPA, 2018a

Table 3-33. Dermal Permeability Coefficients (Kp) for COPCs in Water

COPC	Permeability Coefficient (Kp) (cm/hr)
Aluminum	0.001
Antimony	0.001
Arsenic	0.001
Barium	0.001
Beryllium	0.001
Cadmium	0.001
Chromium	0.002
Cobalt	0.0004
Iron	0.001
Manganese	0.001
Thallium	0.001
Uranium	0.001
Vanadium	0.001

TABLE 3-34. RME and CTE Human Intake Factors (HIFs) and Inhalation Time-Weighting Factors (TWFs) for the Outdoor Worker

Exposure pathway	HIF or TWF Type	Units	RME	CTE
			Adult	Adult
Incidental ingestion of surface water	HIF (non-cancer)	L/kg-d	5.34E-05	2.25E-05
	HIF (cancer)	L/kg-d	1.91E-05	2.89E-06
Dermal contact with surface water	HIF (non-cancer)	L-hr/kg-cm-d	1.07E-02	9.05E-03
	HIF (cancer)	L-hr/kg-cm-d	3.84E-03	1.16E-03
Incidental ingestion of sediment/beach soil	HIF (non-cancer)	kg/kg-d	8.56E-07	3.75E-07
	HIF (cancer)	kg/kg-d	3.06E-07	4.82E-08
Dermal contact with sediment/beach soil	HIF (non-cancer)	kg/kg-d	3.62E-06	5.29E-07
	HIF (cancer)	kg/kg-d	1.29E-06	6.80E-08
Inhalation of outdoor air	TWF (non-cancer)	unitless	2.28E-01	2.00E-01
	TWF (cancer)	unitless	8.15E-02	2.57E-02

TABLE 3-35. RME and CTE Human Intake Factors (HIFs) and Inhalation Time-Weighting Factors (TWFs) for the Resident

Exposure pathway	HIF or TWF Type	Units	RME		CTE	
			Adult	Child	Adult	Child
GENERAL RESIDENTIAL EXPOSURE						
Inhalation of indoor air	TWF (non-cancer)	unitless	7.99E-01	8.79E-01	5.84E-01	6.43E-01
	TWF (cancer)	unitless	2.28E-01	7.53E-02	6.68E-02	1.84E-02
Inhalation of outdoor air	TWF (non-cancer)	unitless	1.24E-01	6.39E-02	9.06E-02	4.68E-02
	TWF (cancer)	unitless	3.54E-02	5.48E-03	1.04E-02	1.34E-03
Incidental ingestion of soil/dust	HIF (non-cancer)	kg/kg-d	1.20E-06	1.28E-05	4.38E-07	3.74E-06
	HIF (cancer)	kg/kg-d	3.42E-07	1.10E-06	5.01E-08	1.07E-07
Dermal contact with soil	HIF (non-cancer)	kg/kg-d	5.06E-06	3.03E-05	5.29E-07	4.44E-06
	HIF (cancer)	kg/kg-d	1.45E-06	2.60E-06	6.04E-08	1.27E-07
Ingestion of fish	HIF (non-cancer)	kg ww/kg-d	3.50E-04	9.33E-04	1.04E-04	2.77E-04
	HIF (cancer)	kg ww/kg-d	1.00E-04	8.00E-05	1.19E-05	7.90E-06
RESIDENTIAL BEACH EXPOSURE						
Incidental ingestion of sediment	HIF (non-cancer)	kg/kg-d	1.10E-07	1.17E-06	3.42E-08	2.92E-07
	HIF (cancer)	kg/kg-d	3.13E-08	1.00E-07	3.91E-09	8.35E-09
Dermal contact with sediment	HIF (non-cancer)	kg/kg-d	5.62E-07	2.77E-06	5.02E-08	3.47E-07
	HIF (cancer)	kg/kg-d	1.61E-07	2.38E-07	5.74E-09	9.91E-09
Incidental ingestion of surface water	HIF (non-cancer)	L/kg-d	3.50E-04	1.64E-03	2.03E-05	1.43E-04
	HIF (cancer)	L/kg-d	9.99E-05	1.40E-04	2.32E-06	4.09E-06
Dermal contact with surface water	HIF (non-cancer)	L-hr/kg-cm-d	6.25E-02	1.04E-01	1.33E-02	2.28E-02
	HIF (cancer)	L-hr/kg-cm-d	1.78E-02	8.93E-03	1.52E-03	6.51E-04

TABLE 3-36. RME and CTE Human Intake Factors (HIFs) and Inhalation Time-Weighting Factors (TWFs) for the Recreational Visitor

Exposure pathway	HIF or TWF Type	Units	RME		CTE	
			Adult	Child	Adult	Child
INGESTION OF FISH FROM UCR SITE						
Ingestion of fish	HIF (non-cancer)	kg ww/kg-d	3.50E-04	9.33E-04	7.88E-05	2.10E-04
	HIF (cancer)	kg ww/kg-d	1.00E-04	8.00E-05	9.00E-06	6.00E-06
RECREATIONAL ACTIVITIES DURING BEACH TRIPS						
Incidental ingestion of surface water while swimming	HIF (non-cancer)	L/kg-d	2.18E-04	8.18E-04	6.92E-06	4.22E-05
	HIF (cancer)	L/kg-d	6.24E-05	7.01E-05	7.90E-07	1.21E-06
Dermal contact with surface water while swimming	HIF (non-cancer)	L-hr/kg-cm-d	3.90E-02	5.21E-02	4.53E-03	6.72E-03
	HIF (cancer)	L-hr/kg-cm-d	1.12E-02	4.46E-03	5.18E-04	1.92E-04
Incidental ingestion of sediment/beach soil	HIF (non-cancer)	kg/kg-d	6.85E-08	5.84E-07	1.16E-08	8.62E-08
	HIF (cancer)	kg/kg-d	1.96E-08	5.01E-08	1.33E-09	2.46E-09
Dermal contact with sediment	HIF (non-cancer)	kg/kg-d	3.51E-07	1.39E-06	1.71E-08	1.02E-07
	HIF (cancer)	kg/kg-d	1.00E-07	1.19E-07	1.95E-09	2.92E-09
Dermal contact with beach soil	HIF (non-cancer)	kg/kg-d	2.89E-07	1.39E-06	1.40E-08	1.02E-07
	HIF (cancer)	kg/kg-d	8.26E-08	1.19E-07	1.61E-09	2.92E-09
Inhalation of outdoor air	TWF (non-cancer)	unitless	1.19E-02	9.68E-03	1.79E-03	1.55E-03
	TWF (cancer)	unitless	3.39E-03	8.30E-04	2.04E-04	4.43E-05
RECREATIONAL ACTIVITIES DURING BOAT DAY TRIPS						
Incidental ingestion of surface water while swimming	HIF (non-cancer)	L/kg-d	1.81E-04	5.84E-04	5.36E-06	3.17E-05
	HIF (cancer)	L/kg-d	5.17E-05	5.01E-05	6.12E-07	9.07E-07
Dermal contact with surface water while swimming	HIF (non-cancer)	L-hr/kg-cm-d	3.23E-02	3.72E-02	3.51E-03	5.05E-03
	HIF (cancer)	L-hr/kg-cm-d	9.23E-03	3.19E-03	4.01E-04	1.44E-04
Incidental ingestion of sediment/beach soil	HIF (non-cancer)	kg/kg-d	8.22E-08	5.84E-07	1.13E-08	8.04E-08
	HIF (cancer)	kg/kg-d	2.35E-08	5.01E-08	1.29E-09	2.30E-09
Dermal contact with sediment	HIF (non-cancer)	kg/kg-d	4.22E-07	1.39E-06	1.66E-08	9.54E-08
	HIF (cancer)	kg/kg-d	1.20E-07	1.19E-07	1.89E-09	2.72E-09
Dermal contact with beach soil	HIF (non-cancer)	kg/kg-d	3.47E-07	1.39E-06	1.36E-08	9.54E-08
	HIF (cancer)	kg/kg-d	9.92E-08	1.19E-07	1.56E-09	2.72E-09
Inhalation of outdoor air	TWF (non-cancer)	unitless	3.29E-02	1.74E-02	4.60E-03	3.39E-03
	TWF (cancer)	unitless	9.39E-03	1.49E-03	5.25E-04	9.69E-05
RECREATIONAL ACTIVITIES DURING CAMPING TRIPS						
Incidental ingestion of surface water while swimming	HIF (non-cancer)	L/kg-d	4.52E-04	1.10E-03	1.17E-05	5.65E-05
	HIF (cancer)	L/kg-d	1.29E-04	9.39E-05	1.33E-06	1.62E-06
Dermal contact with surface water while swimming	HIF (non-cancer)	L-hr/kg-cm-d	8.08E-02	6.98E-02	7.63E-03	9.00E-03
	HIF (cancer)	L-hr/kg-cm-d	2.31E-02	5.98E-03	8.72E-04	2.57E-04
Incidental ingestion of sediment/beach soil	HIF (non-cancer)	kg/kg-d	6.85E-08	3.65E-07	1.08E-08	6.28E-08
	HIF (cancer)	kg/kg-d	1.96E-08	3.13E-08	1.23E-09	1.80E-09
Dermal contact with sediment	HIF (non-cancer)	kg/kg-d	3.51E-07	8.67E-07	1.58E-08	7.45E-08
	HIF (cancer)	kg/kg-d	1.00E-07	7.43E-08	1.81E-09	2.13E-09

TABLE 3-36. RME and CTE Human Intake Factors (HIFs) and Inhalation Time-Weighting Factors (TWFs) for the Recreational Visitor

Exposure pathway	HIF or TWF Type	Units	RME		CTE	
			Adult	Child	Adult	Child
Dermal contact with beach soil	HIF (non-cancer)	kg/kg-d	2.89E-07	8.67E-07	1.30E-08	7.45E-08
	HIF (cancer)	kg/kg-d	8.26E-08	7.43E-08	1.49E-09	2.13E-09
Inhalation of outdoor air	TWF (non-cancer)	unitless	5.48E-02	2.74E-02	1.01E-02	7.85E-03
	TWF (cancer)	unitless	1.57E-02	2.35E-03	1.15E-03	2.24E-04

Table 3-37. Exposure Parameters for Outdoor Worker Populations

Exposure Pathway	Exposure Parameter	Units	RME Value and Source		CTE Value and Source	
General	Body Weight	kg	80	EPA, 2011a, 2014a [a]	80	EPA, 2011a, 2014a [a]
	Exposure Duration	years	25	EPA, 2014a	9	EPA, 2004b
	Averaging Time (non-cancer)	days	9,125	EPA, 1989	3,285	EPA, 1989
	Averaging Time (cancer)	days	25,550	EPA, 1989	25,550	EPA, 1989
Inhalation of outdoor air	Exposure Frequency	days/yr	250	EPA, 2014a, 2004b [b]	219	EPA, 2004b [c]
	Exposure Time	hr/day	8	EPA, 2014a	8	Professional judgment
	TWF (non-cancer)	**unitless**	**2.28E-01**		**2.00E-01**	
	TWF (cancer)	**unitless**	**8.15E-02**		**2.57E-02**	
Incidental ingestion of sediment/beach soil	Exposure Frequency	days/yr	250	EPA, 2014a, 2004b [b]	219	EPA, 2004b [c]
	Ingestion Rate	mg/day	100	EPA, 2014a [d]	50	EPA, 2011a [e]
	Conversion Factor	*kg/mg*	*1E-06*		*1E-06*	
	HIF (non-cancer)	**kg/kg-d**	**8.56E-07**		**3.75E-07**	
	HIF (cancer)	**kg/kg-d**	**3.06E-07**		**4.82E-08**	
Dermal contact with sediment/beach soil	Exposure Frequency	days/yr	250	EPA, 2014a, 2004b [b]	219	EPA, 2004b [c]
	Exposed Skin Surface Area	cm^2/event	3527	EPA, 2014a	3527	EPA, 2014a
	Adherence Factor	mg/cm^2	0.12	EPA, 2014a	0.02	EPA, 2004b [f]
	Conversion Factor	*kg/mg*	*1E-06*		*1E-06*	
	HIF (non-cancer)	**kg/kg-d**	**3.62E-06**		**5.29E-07**	
	HIF (cancer)	**kg/kg-d**	**1.29E-06**		**6.80E-08**	
Incidental ingestion of surface water	Exposure Frequency	days/yr	52	DOI, 2019	44	Professional judgment [g]
	Ingestion Rate	mL/hr	30	EPA, 1998a [h]	15	EPA, 1998a [i]
	Conversion Factor	*L/mL*	*1E-03*		*1E-03*	
	HIF (non-cancer)	**L/kg-d**	**5.34E-05**		**2.25E-05**	
	HIF (cancer)	**L/kg-d**	**1.91E-05**		**2.89E-06**	
Dermal contact with surface water	Exposure Frequency	days/yr	52	DOI, 2019	44	Professional judgment [i]
	Exposed Skin Surface Area	cm^2	6032	EPA, 2014a [j]	6032	EPA, 2014a [j]
	Conversion Factor	*L/cm³*	*1E-03*		*1E-03*	
	HIF (non-cancer)	**L-hr/kg-cm/d**	**1.07E-02**		**9.05E-03**	
	HIF (cancer)	**L-hr/kg-cm/d**	**3.84E-03**		**1.16E-03**	

Notes:

[a] Table 8-3 of EPA (2011a): weighted mean values for adults 21-78 years old.

[b] This is a value for a worker and indoor worker (EPA 2014a)/Industrial (EPA 2004b).

[c] Exhibit 3-5 in EPA (2004b) based on Industrial.

[d] Outdoor worker.

[e] Central tendency, general population adults, soil + dust

[f] Industrial; Exhibit 3-5, EPA 2004b

[g] Assumes 20% of general worker activity exposure frequency.

[h] Based on the value proposed for a recreational scenario.

[i] Assumed to be 1/2 the RME value.

[j] Weighted average of mean values for head, hands, forearms, and lower legs (male and female, 21+ years old); assumes worker wears a short-sleeved shirt, shorts, and shoes.

Table 3-38. Exposure Parameters for Residents

Exposure Pathway	Exposure Parameter	Units	RME Value and Source				CTE Value and Source			
			Adult		Child		Adult		Child	
General	Body weight	kg	80	EPA, 2011a, 2014a [a]	15	EPA, 2011a, 2014a [a]	80	EPA, 2011a, 2014a [a]	15	EPA, 2011a, 2014a [a]
	Exposure Duration	yr	20	EPA, 2014a	6	EPA, 2014a	8	EPA, 2011a [b]	2	EPA, 2011a [b]
	Exposure Frequency	days/yr	350	EPA, 2011a, 2014a [c]	350	EPA, 2011a, 2014a [c]	256	EPA, 2011a [d]	256	EPA, 2011a [d]
	Averaging Time (non-cancer)	days	7,300	EPA, 1989	2,190	EPA, 1989	2,920	EPA, 1989	730	EPA, 1989
	Averaging Time (cancer)	days	25,550	EPA, 1989	25,550	EPA, 1989	25,550	EPA, 1989	25,550	EPA, 1989
GENERAL RESIDENTIAL EXPOSURE										
Incidental ingestion of soil/dust	Ingestion Rate, total	mg/day	100	EPA, 2014a, 2017c	200	EPA, 2017c [e]	50	EPA, 2011a, 2017c [f]	80	EPA, 2017c [g]
	Conversion Factor	*kg/mg*	*1E-06*		*1E-06*		*1E-06*		*1E-06*	
	HIF (non-cancer)	**kg/kg-d**	**1.20E-06**		**1 28E-05**		**4 38E-07**		**3.74E-06**	
	HIF (cancer)	**kg/kg-d**	**3.42E-07**		**1 10E-06**		**5.01E-08**		**1.07E-07**	
Dermal contact with soil	Exposed Skin Surface Area	cm^2/event	6,032	EPA, 2014a	2,373	EPA, 2014a	6,032	EPA, 2014a	2,373	EPA, 2014a
	Adherence Factor	mg/cm^2	0.07	EPA, 2014a	0.2	EPA, 2014a	0.01	EPA, 2004b	0.04	EPA, 2004b
	Conversion Factor	*kg/mg*	*1E-06*		*1E-06*		*1E-06*		*1E-06*	
	HIF (non-cancer)	**kg/kg-d**	**5.06E-06**		**3.03E-05**		**5.29E-07**		**4.44E-06**	
	HIF (cancer)	**kg/kg-d**	**1.45E-06**		**2.60E-06**		**6.04E-08**		**1.27E-07**	
Inhalation of indoor air	Exposure Time, Indoors	hrs/day	20	EPA, 2011a [h]	22	EPA, 2011a [i]	20	EPA, 2011a [h]	22	EPA, 2011a [i]
	TWF (non-cancer)	**unitless**	**7.99E-01**		**8.79E-01**		**5.84E-01**		**6.43E-01**	
	TWF (cancer)	**unitless**	**2.28E-01**		**7.53E-02**		**6.68E-02**		**1.84E-02**	
Inhalation of outdoor air	Exposure Time, Outdoors	hrs/day	3.1	EPA, 2011a [j]	1.6	EPA, 2011a [k]	3.1	EPA, 2011a [j]	1.6	EPA, 2011a [k]
	TWF (non-cancer)	**unitless**	**1.24E-01**		**6.39E-02**		**9.06E-02**		**4.68E-02**	
	TWF (cancer)	**unitless**	**3.54E-02**		**5.48E-03**		**1.04E-02**		**1.34E-03**	
Consumption of fish	Exposure Frequency	days/yr	365	[l]	365	[l]	365	[l]	365	[l]
	Average Intake Rate	g/day	28	SRC, 2019a [m]	14	SRC, 2019a; IOM, 2005; Appendix 10 [n]	8.3	SRC, 2019b [m]	4.2	SRC, 2019b; IOM, 2005; Appendix 10 [n]
	Conversion factor	kg/g	0.001		0.001		0.001		0.001	
	HIF (non-cancer)	kg ww/kg/d	**3.50E-04**		**9.33E-04**		**1.04E-04**		**2.77E-04**	
	HIF (cancer)	kg ww/kg/d	**1.00E-04**		**8.00E-05**		**1.19E-05**		**7.90E-06**	
RESIDENT WITH BEACH										
General	Exposure Frequency	days/yr	32	Professional judgment [o]	32	Professional judgment [p]	20	SRC, 2019a [q]	20	Professional judgment [p]
	Exposure Time	hrs/day	2.9	SRC, 2019a [r]	2.8	SRC, 2019a [r]	0 99	SRC, 2019a [s]	0.98	SRC, 2019a [s]
Incidental ingestion of sediment	Ingestion Rate	mg/day	100	EPA, 2014a, 2017c	200	EPA, 2017c [e]	50	EPA, 2011a, 2017c [f]	80	EPA, 2017c [g]
	Conversion Factor	*kg/mg*	*1E-06*		*1E-06*		*1E-06*		*1E-06*	
	HIF (non-cancer)	**kg/kg-d**	**1.10E-07**		**1.17E-06**		**3.42E-08**		**2.92E-07**	
	HIF (cancer)	**kg/kg-d**	**3.13E-08**		**1.00E-07**		**3.91E-09**		**8.35E-09**	

Table 3-38. Exposure Parameters for Residents

Exposure Pathway	Exposure Parameter	Units	RME Value and Source				CTE Value and Source			
			Adult		Child		Adult		Child	
Dermal contact with sediment	Exposed Skin Surface Area	cm^2/event	7,329	EPA, 2011a [t]	2,373	EPA, 2014a [u]	7,329	EPA, 2011a [t]	2,373	EPA, 2014a [u]
	Adherence Factor	mg/cm^2	0.07	EPA, 2004b; EPA, 2014a	0.2	EPA, 2004b; EPA, 2014a	0.01	EPA, 2004b	0.04	EPA, 2004b
	Conversion Factor	*kg/mg*	*1E-06*		*1E-06*		*1E-06*		*1E-06*	
	HIF (non-cancer)	**kg/kg-d**	**5.62E-07**		**2.77E-06**		**5.02E-08**		**3.47E-07**	
	HIF (cancer)	**kg/kg-d**	**1.61E-07**		**2.38E-07**		**5.74E-09**		**9.91E-09**	
Incidental ingestion of surface water	Ingestion Rate	mL/hr	110	EPA, 2019b [v]	100	EPA, 2019b [v]	30	EPA, 2019b [v]	40	EPA, 2019b [v]
	Conversion Factor	L/mL	0.001		0.001		0.001		0.001	
	HIF (non-cancer)	L/kg-d	**3.50E-04**		**1.64E-03**		**2.03E-05**		**1.43E-04**	
	HIF (cancer)	L/kg-d	**9.99E-05**		**1.40E-04**		**2.32E-06**		**4.09E-06**	
Dermal contact with surface water	Exposed Skin Surface Area	cm2	19,652	EPA, 2014a	6365	EPA, 2014a	19,652	EPA, 2014a	6365	EPA, 2014a
	Conversion Factor	L/cm3	0.001		0.001		0.001		0.001	
	HIF (non-cancer)	L·hr/kg·cm/d	**6.25E-02**		**1.04E-01**		**1.33E-02**		**2.28E-02**	
	HIF (cancer)	L·hr/kg·cm/d	**1.78E-02**		**8.93E-03**		**1.52E-03**		**6.51E-04**	

Notes:

[a] Table 8-3 of EPA (2011a): weighted mean values for adults 21-78 years old. Table 8-1 of EPA (2011a): weighted average of mean body weights (birth to <6 years)

[b] Table 16-5 of EPA (2011a): mean value for residential occupancy = 12 years. Dividing that into adult and child portions using the same ratio as for the RME (e.g., 6/20) yields ~8 years for the adult and ~2 years for the child.

[c] 95th percentile value of time spent in a residence is equivalent to 100% of the time; EPA (2011a) Table 16-16. 350 days/yr assumes 2 weeks' vacation away from home.

[d] Based on an estimate of 70% of time spent at home (EPA, 2011a), Table 16-16, mean time spent at home in all rooms, doers only; 1001.4 minutes/1440 minutes = 70%. 70% x 365 days = 256 days.

[e] Upper percentile, general population children, soil + dust

[f] Central tendency, general population adults, soil + dust

[g] Central tendency, general population children 1<6 years, soil + dust

[h] Assumed time-weighted average for adult (age 7-<34 yrs) based on values in Table 16-1, Mean Time Indoors (total) minutes/day: 6-<11 yrs = 1244, 11-<16 yrs = 1260, 16-<21 yrs = 1248, 18-<65 yrs = 1159

[i] Assumed time-weighted average for child (age 1-<7 yrs) based on values in Table 16-1, Mean Time Indoors (total) minutes/day: 1-<2 yrs = 1353, 2-<3 yrs = 1316, 3-<6 yrs = 1278, 6-<11 yrs = 1244

[j] Assumed time-weighted average for adult (age 7-<34 yrs) based on values in Table 16-1, Mean Time Outdoors (total) minutes/day: 6-<11 yrs = 132, 11-<16 yrs = 100, 16-<21 yrs = 102, 18-<65 yrs = 281

[k] Assumed time-weighted average for child (age 1-<7 yrs) based on values in Table 16-1, Mean Time Outdoors (total) minutes/day: 1-<2 yrs = 36, 2-<3 yrs = 76, 3-<6 yrs = 107, 6-<11 yrs = 132

[l] Intake rates for fish are representative of a daily intake (g/day) averaged across a year; therefore, the exposure frequency is set to 365 days/yr.

[m] The most conservative value was used from either the RecUse Survey (SRC, 2019a) or Tribal Survey (SRC, 2019b). RME for adult is the 95th percentile taken from the RecUse Survey Report (SRC, 2019a) and CTE for adult is the mean taken from the Tribal Survey Report (SRC, 2019b). In the tribal survey, the AMPM interviews did not capture fish consumption by children <6 years old; therefore, the "All ages" value presented in Table 8 are representative of the 7+ age range (adult).

[n] Reliable DCR estimates for children were not able to be derived using survey data (SRC, 2019a, 2019b). The adult DCR estimates that were derived using survey data were multiplied by a ratio of children-to-adult dietary intake of 0.5 which was estimated using energy requirements for children and adults based on regression models presented in IOM (2005) (see Appendix 14).

[o] 2 days/week for 16 weeks/year, assumed to represent 4 months of seasonable weather.

[p] Assuming that resident children join the adults when spending time at their beach.

[q] 95% days/year for adult beach day-trips for all UCR reaches combined.

[r] 95% hours/day for swimming during beach trips for all UCR reaches combined (adults defined as 7+ yrs old, children defined as 0-6 yrs old)

[s] Mean hours/day for swimming during beach trips for all UCR reaches combined (adults defined as 7+ yrs old, children defined as 0-6 yrs old)

[t] Time weighted average of mean values for head, hands, forearms, lower legs, and feet (males and females, 21+ years)

[u] Soil value used. Tables 7-2 and 7-8 of EPA (2011a): weighted average of mean values for head, hands, forearms, lower legs, and feet (male and female, birth to <6 yrs). Forearm and lower leg-specific data used when available, ratios for nearest available age group used elsewhere (per EPA, 2011a).

[v] EPA, 2019b: update to EPA Exposure Factors Handbook Chapter 3. Child values are mean and upper percentile water ingestion while swimming for 6 to <11 yrs (CTE and RME); adult values are time-weighted mean and upper percentiles for 11 to <16, 16 to <21, and 21+ yrs (CTE and RME), assuming an adult exposure duration of 20 years.

Table 3-39. Exposure Parameters for Recreational Visitors

Exposure Pathway	Exposure Parameter	Units	RME Value and Source				CTE Value and Source			
			Adult		Child		Adult		Child	
General	Body weight	kg	80	EPA, 2011a, 2014a [a]	15	EPA, 2011a, 2014a [a]	80	EPA, 2011a, 2014a [a]	15	EPA, 2011a, 2014a [a]
	Exposure Duration	yr	20	EPA, 2014a	6	EPA, 2014a	8	EPA, 2011a [b]	2	EPA, 2011a [b]
	Averaging Time (non-cancer)	days	7300	EPA, 1989	2190	EPA, 1989	2920	EPA, 1989	730	EPA, 1989
	Averaging Time (cancer)	days	25550	EPA, 1989	25550	EPA, 1989	25550	EPA, 1989	25550	EPA, 1989
RECREATIONAL ACTIVITIES DURING BEACH TRIPS										
General	Exposure Frequency	days/yr	20	SRC, 2019a [c]	16	SRC, 2019a [c]	6 8	SRC, 2019a [d]	5 9	SRC, 2019a [d]
Incidental ingestion of surface water while swimming	Exposure Time	hrs/day	2 9	SRC, 2019a [e]	2 8	SRC, 2019a [e]	0 99	SRC, 2019a [f]	0 98	SRC, 2019a [f]
	Ingestion Rate	mL/hr	110	EPA, 2019b [g]	100	EPA, 2019b [g]	30	EPA, 2019b [g]	40	EPA, 2019b [g]
	Conversion Factor	L/mL	0 001		0 001		0 001		0 001	
	HIF (non-cancer)	L/kg-d	**2.18E-04**		**8.18E-04**		**6.92E-06**		**4.22E-05**	
	HIF (cancer)	L/kg-d	**6.24E-05**		**7.01E-05**		**7.90E-07**		**1.21E-06**	
Dermal contact with surface water while swimming	Exposure Time	hrs/day	2 9	SRC, 2019a [e]	2 8	SRC, 2019a [e]	0 99	SRC, 2019a [f]	0 98	SRC, 2019a [f]
	Exposed Skin Surface Area	cm2	19,652	EPA, 2014a	6365	EPA, 2014a	19,652	EPA, 2014a	6365	EPA, 2014a
	Conversion Factor	L/cm3	0 001		0 001		0 001		0 001	
	HIF (non-cancer)	L hr/kg cm/d	**3.90E-02**		**5.21E-02**		**4.53E-03**		**6.72E-03**	
	HIF (cancer)	L hr/kg cm/d	**1.12E-02**		**4.46E-03**		**5.18E-04**		**1.92E-04**	
Incidental ingestion of sediment/beach soil	Ingestion Rate	mg/day	100	EPA, 2014a, 2017c	200	EPA, 2017c [h]	50	EPA, 2011a, 2017c [i]	80	EPA, 2017c [j]
	Conversion Factor	kg/mg	0 000001		0 000001		0 000001		0 000001	
	HIF (non-cancer)	kg/kg-d	**6.85E-08**		**5.84E-07**		**1.16E-08**		**8.62E-08**	
	HIF (cancer)	kg/kg-d	**1.96E-08**		**5.01E-08**		**1.33E-09**		**2.46E-09**	
Dermal contact with sediment	Exposed Skin Surface Area	cm^2	7,329	EPA, 2011a [k]	2,373	EPA, 2014a [l]	7,329	EPA, 2011a [k]	2,373	EPA, 2014a [l]
	Adherence Factor	mg/cm^2	0 07	EPA, 2004b	0 2	EPA, 2004b	0 01	EPA, 2004b	0 04	EPA, 2004b
	Conversion Factor	kg/mg	0 000001		0 000001		0 000001		0 000001	
	HIF (non-cancer)	kg/kg-d	**3.51E-07**		**1.39E-06**		**1.71E-08**		**1.02E-07**	
	HIF (cancer)	kg/kg-d	**1.00E-07**		**1.19E-07**		**1.95E-09**		**2.92E-09**	
Dermal contact with beach soil	Exposed Skin Surface Area	cm^2	6,032	EPA, 2014a	2,373	EPA, 2014a	6,032	EPA, 2014a	2,373	EPA, 2014a
	Adherence Factor	mg/cm^2	0 07	EPA, 2014a	0 2	EPA, 2014a	0 01	EPA, 2014a	0 04	EPA, 2014a
	Conversion Factor	kg/mg	0 000001		0 000001		0 000001		0 000001	
	HIF (non-cancer)	kg/kg-d	**2.89E-07**		**1.39E-06**		**1.40E-08**		**1.02E-07**	
	HIF (cancer)	kg/kg-d	**8.26E-08**		**1.19E-07**		**1.61E-09**		**2.92E-09**	
Inhalation of outdoor air	Exposure Time	hrs/day	5 2	SRC, 2019a [m]	5 3	SRC, 2019a [m]	2 3	SRC, 2019a [n]	2 3	SRC, 2019a [n]
	TWF (non-cancer)	**unitless**	**1.19E-02**		**9.68E-03**		**1.79E-03**		**1.55E-03**	
	TWF (cancer)	**unitless**	**3.39E-03**		**8.30E-04**		**2.04E-04**		**4.43E-05**	
RECREATIONAL ACTIVITIES DURING BOAT DAY TRIPS										
General	Exposure Frequency	days/yr	24	SRC, 2019a [o]	16	SRC, 2019a [o]	6 6	SRC, 2019a [p]	5 5	SRC, 2019a [p]
Incidental ingestion of surface water while swimming	Exposure Time	hrs/day	2 0	SRC, 2019a [q]	2 0	SRC, 2019a [q]	0 79	SRC, 2019a [r]	0 79	SRC, 2019a [r]
	Ingestion Rate	mL/hr	110	EPA, 2019b [g]	100	EPA, 2019b [g]	30	EPA, 2019b [g]	40	EPA, 2019b [g]
	Conversion Factor	L/mL	0 001		0 001		0 001		0 001	
	HIF (non-cancer)	L/kg-d	**1.81E-04**		**5.84E-04**		**5.36E-06**		**3.17E-05**	
	HIF (cancer)	L/kg-d	**5.17E-05**		**5.01E-05**		**6.12E-07**		**9.07E-07**	
Dermal contact with surface water while swimming	Exposure Time	hrs/day	2 0	SRC, 2019a [q]	2 0	SRC, 2019a [q]	0 79	SRC, 2019a [r]	0 79	SRC, 2019a [r]
	Exposed Skin Surface Area	cm2	19,652	EPA, 2014a	6365	EPA, 2014a	19,652	EPA, 2014a	6365	EPA, 2014a
	Conversion Factor	L/cm3	0 001		0 001		0 001		0 001	
	HIF (non-cancer)	L hr/kg cm/d	**3.23E-02**		**3.72E-02**		**3.51E-03**		**5.05E-03**	
	HIF (cancer)	L hr/kg cm/d	**9.23E-03**		**3.19E-03**		**4.01E-04**		**1.44E-04**	

Table 3-39. Exposure Parameters for Recreational Visitors

Exposure Pathway	Exposure Parameter	Units	RME Value and Source				CTE Value and Source			
			Adult		Child		Adult		Child	
Incidental ingestion of sediment/beach soil	Ingestion Rate	mg/day	100	EPA, 2014a, 2017c	200	EPA, 2017c [h]	50	EPA, 2011a, 2017c [i]	80	EPA, 2017c [j]
	Conversion Factor	kg/mg	0 000001		0 000001		0 000001		0 000001	
	HIF (non-cancer)	kg/kg-d	**8.22E-08**		**5.84E-07**		**1.13E-08**		**8.04E-08**	
	HIF (cancer)	kg/kg-d	**2.35E-08**		**5.01E-08**		**1.29E-09**		**2.30E-09**	
Dermal contact with sediment	Exposed Skin Surface Area	cm^2	7,329	EPA, 2011a [k]	2,373	EPA, 2014a [l]	7,329	EPA, 2011a [k]	2,373	EPA, 2014a [l]
	Adherence Factor	mg/cm^2	0 07	EPA, 2004b	0 2	EPA, 2004b	0 01	EPA, 2004b	0 04	EPA, 2004b
	Conversion Factor	kg/mg	0 000001		0 000001		0 000001		0 000001	
	HIF (non-cancer)	kg/kg-d	**4.22E-07**		**1.39E-06**		**1.66E-08**		**9.54E-08**	
	HIF (cancer)	kg/kg-d	**1.20E-07**		**1.19E-07**		**1.89E-09**		**2.72E-09**	
Dermal contact with beach soil	Exposed Skin Surface Area	cm^2	6,032	EPA, 2014a	2,373	EPA, 2014a	6,032	EPA, 2014a	2,373	EPA, 2014a
	Adherence Factor	mg/cm^2	0 07	EPA, 2014a	0 2	EPA, 2014a	0 01	EPA, 2014a	0 04	EPA, 2014a
	Conversion Factor	kg/mg	0 000001		0 000001		0 000001		0 000001	
	HIF (non-cancer)	kg/kg-d	**3.47E-07**		**1.39E-06**		**1.36E-08**		**9.54E-08**	
	HIF (cancer)	kg/kg-d	**9.92E-08**		**1.19E-07**		**1.56E-09**		**2.72E-09**	
Inhalation of outdoor air	Exposure Time	hrs/day	12	SRC, 2019a [s]	9 5	SRC, 2019a [s]	6 1	SRC, 2019a [t]	5 4	SRC, 2019a [t]
	TWF (non-cancer)	**unitless**	**3.29E-02**		**1.74E-02**		**4.60E-03**		**3.39E-03**	
	TWF (cancer)	**unitless**	**9.39E-03**		**1.49E-03**		**5.25E-04**		**9.69E-05**	
RECREATIONAL ACTIVITIES DURING CAMPING TRIPS										
General	Exposure Frequency	days/yr	20	SRC, 2019a [u]	10	SRC, 2019a [u]	6 3	SRC, 2019a [v]	4 3	SRC, 2019a [v]
Incidental ingestion of surface water while swimming	Exposure Time	hrs/day	6 0	SRC, 2019a [w]	6 0	SRC, 2019a [w]	1 8	SRC, 2019a [x]	1 8	SRC, 2019a [x]
	Ingestion Rate	mL/hr	110	EPA, 2019b [g]	100	EPA, 2019b [g]	30	EPA, 2019b [g]	40	EPA, 2019b [g]
	Conversion Factor	L/mL	0 001		0 001		0 001		0 001	
	HIF (non-cancer)	L/kg-d	**4.52E-04**		**1.10E-03**		**1.17E-05**		**5.65E-05**	
	HIF (cancer)	L/kg-d	**1.29E-04**		**9.39E-05**		**1.33E-06**		**1.62E-06**	
Dermal contact with surface water while swimming	Exposure Time	hrs/day	6 0	SRC, 2019a [w]	6 0	SRC, 2019a [w]	1 8	SRC, 2019a [x]	1 8	SRC, 2019a [x]
	Exposed Skin Surface Area	cm2	19,652	EPA, 2014a	6365	EPA, 2014a	19,652	EPA, 2014a	6365	EPA, 2014a
	Conversion Factor	L/cm3	0 001		0 001		0 001		0 001	
	HIF (non-cancer)	L hr/kg cm/d	**8.08E-02**		**6.98E-02**		**7.63E-03**		**9.00E-03**	
	HIF (cancer)	L hr/kg cm/d	**2.31E-02**		**5.98E-03**		**8.72E-04**		**2.57E-04**	
Incidental ingestion of sediment/beach soil	Ingestion Rate	mg/day	100	EPA, 2014a, 2017c	200	EPA, 2017c [h]	50	EPA, 2011a, 2017c [i]	80	EPA, 2017c [j]
	Conversion Factor	kg/mg	0 000001		0 000001		0 000001		0 000001	
	HIF (non-cancer)	kg/kg-d	**6.85E-08**		**3.65E-07**		**1.08E-08**		**6.28E-08**	
	HIF (cancer)	kg/kg-d	**1.96E-08**		**3.13E-08**		**1.23E-09**		**1.80E-09**	
Dermal contact with sediment	Exposed Skin Surface Area	cm^2	7,329	EPA, 2011a [k]	2,373	EPA, 2014a [l]	7,329	EPA, 2011a [k]	2,373	EPA, 2014a [l]
	Adherence Factor	mg/cm^2	0 07	EPA, 2004b	0 2	EPA, 2004b	0 01	EPA, 2004b	0 04	EPA, 2004b
	Conversion Factor	kg/mg	0 000001		0 000001		0 000001		0 000001	
	HIF (non-cancer)	kg/kg-d	**3.51E-07**		**8.67E-07**		**1.58E-08**		**7.45E-08**	
	HIF (cancer)	kg/kg-d	**1.00E-07**		**7.43E-08**		**1.81E-09**		**2.13E-09**	
Dermal contact with beach soil	Exposed Skin Surface Area	cm^2	6,032	EPA, 2014a	2,373	EPA, 2014a	6,032	EPA, 2014a	2,373	EPA, 2014a
	Adherence Factor	mg/cm^2	0 07	EPA, 2014a	0 2	EPA, 2014a	0 01	EPA, 2014a	0 04	EPA, 2014a
	Conversion Factor	kg/mg	0 000001		0 000001		0 000001		0 000001	
	HIF (non-cancer)	kg/kg-d	**2.89E-07**		**8.67E-07**		**1.30E-08**		**7.45E-08**	
	HIF (cancer)	kg/kg-d	**8.26E-08**		**7.43E-08**		**1.49E-09**		**2.13E-09**	
Inhalation of outdoor air	Exposure Time, Outdoors	hrs/day	24	Professional judgment [y]	24	Professional judgment [y]	14	Professional judgment	16	Professional judgment
	TWF (non-cancer)	**unitless**	**5.48E-02**		**2.74E-02**		**1.01E-02**		**7.85E-03**	
	TWF (cancer)	**unitless**	**1.57E-02**		**2.35E-03**		**1.15E-03**		**2.24E-04**	

Table 3-39. Exposure Parameters for Recreational Visitors

Exposure Pathway	Exposure Parameter	Units	RME Value and Source				CTE Value and Source			
			Adult		Child		Adult		Child	
CONSUMPTION OF FISH FROM UCR SITE										
Consumption of fish	Exposure Frequency	days/yr	365	[z]	365	[z]	365	[z]	365	[z]
	Average Intake Rate	g/day	28	SRC, 2019a [aa]	14	SRC, 2019a; IOM, 2005; Appendix 10 [ab]	6 3	SRC, 2019a [aa]	3 2	SRC, 2019a; IOM, 2005; Appendix 10 [ab]
	Conversion factor	kg/g	0 001		0 001		0 001		0 001	
	HIF (non-cancer)	kg ww/kg/d	**3.50E-04**		**9.33E-04**		**7.88E-05**		**2.10E-04**	
	HIF (cancer)	kg ww/kg/d	**1.00E-04**		**8.00E-05**		**9.00E-06**		**6.00E-06**	

Notes:

[a] Table 8-3 of EPA (2011a): weighted mean values for adults 21-78 years old Table 8-1 of EPA (2011a): weighted average of mean body weights (birth to <6 years)

[b] Table 16-5 of EPA (2011a): mean value for residential occupancy = 12 years Dividing that into adult and child portions using the same ratio as for the RME (e g , 6/20) yields ~8 years for the adult and ~2 years for the child

[c] 95th percentile days/year for beach day-trips for all UCR reaches combined (adults defined as 7+ yrs old, children defined as 0-6 yrs old)

[d] Mean days/year for beach day-trips for all UCR reaches combined (adults defined as 7+ yrs old, children defined as 0-6 yrs old)

[e] 95% hours/day for swimming and wading in water deeper than waist deep during beach trips for all UCR reaches combined (adults defined as 7+ yrs old, children defined as 0-6 yrs old)

[f] Mean hours/day for swimming and wading in water deeper than waist deep during beach trips for all UCR reaches combined (adults defined as 7+ yrs old, children defined as 0-6 yrs old)

[g] Values taken from EPA 2019b (update to EPA Exposure Factors Handbook Chapter 3) Child values are mean and upper percentile water ingestion while swimming for 6 to <11 yrs (CTE and RME); adult values are time-weighted mean and upper percentiles for 11 to <16, 16 to <21, and 21+ yrs (CTE and RME), assuming an adult exposure duration of 20 years

[h] Upper percentile, general population children, soil + dust

[i] Central tendency, general population adults, soil + dust

[j] Central tendency, general population children 1<6 years, soil + dust

[k] Time weighted average of mean values for head, hands, forearms, lower legs, and feet (males and females, 21+ years)

[l] Soil value used Tables 7-2 and 7-8 of EPA (2011a): weighted average of mean values for head, hands, forearms, lower legs, and feet (male and female, birth to <6 yrs) Forearm and lower leg-specific data used when available, ratios for nearest available age group used elsewhere (per EPA, 2011a)

[m] 95% hours/day for time spent outdoors during beach trips for all UCR reaches combined (adults defined as 7+ yrs old, children defined as 0-6 yrs old)

[n] Mean hours/day for time spent outdoors during beach trips for all UCR reaches combined (adults defined as 7+ yrs old, children defined as 0-6 yrs old)

[o] 95th percentile days/year for boat day-trips for all UCR reaches combined (adults defined as 7+ yrs old, children defined as 0-6 yrs old)

[p] Mean days/year for boat day-trips for all UCR reaches combined (adults defined as 7+ yrs old, children defined as 0-6 yrs old)

[q] 95th percentile hours/day for swimming and wading (>waist deep) during boat day-trips for all UCR reaches combined (adults and children combined)

[r] Mean hours/day for swimming and wading (>waist deep) during boat day-trips for all UCR reaches combined (adults and children combined)

[s] 95% hours/day for time spent outdoors during boat day-trips for all UCR reaches combined (adults defined as 7+ yrs old, children defined as 0-6 yrs old)

[t] Mean hours/day for time spent outdoors during boat day-trips for all UCR reaches combined (adults defined as 7+ yrs old, children defined as 0-6 yrs old)

[u] 95th percentile days/year for camping trips for all UCR reaches combined (adults defined as 7+ yrs old, children defined as 0-6 yrs old)

[v] Mean days/year for camping trips for all UCR reaches combined (adults defined as 7+ yrs old, children defined as 0-6 yrs old)

[w] 95th percentile hours/day for swimming and wading (>waist deep) during camping trips for all UCR reaches combined Boat-in and drive-in camping trips combined Adults and children were combined

[x] Mean hours/day for swimming and wading (>waist deep) during camping trips for all UCR reaches combined Boat-in and drive-in camping trips were combined Adults and children were combined

[y] Camping trips would involve 24-hour exposure to outdoor air

[z] Intake rates for fish are representative of a daily intake (g/day) averaged across a year; therefore, the exposure frequency is set to 365 days/yr

[aa] Estimates are for combined diary and questionnaire data RME is the 95th percentile and CTE is the mean

[ab] Reliable DCR estimates for children were not able to be derived using survey data (SRC, 2019a) The adult DCR estimates that were derived using survey data were multiplied by a ratio of children-to-adult dietary intake of 0 5 which was estimated using energy requirements for children and adults based on regression models presented in IOM (2005) (see Appendix 14)

Table 4-1. EPA Cancer Classification Categories and Descriptions

WOE	Meaning	Description
A	Known human carcinogen	Sufficient evidence of cancer in humans
B1	Probable human carcinogen	Suggestive evidence of cancer incidence in humans
B2	Probable human carcinogen	Sufficient evidence of cancer in animals, but lack of data or insufficient data in humans
C	Possible human carcinogen	Suggestive evidence of carcinogenicity in animals
D	Cannot be evaluated	No evidence or inadequate evidence of cancer in animals or humans
E	Not carcinogenic to humans	Strong evidence that it does not cause cancer in humans

Table 4-2. Non-cancer Toxicity Data -- Oral/Dermal Upper Columbia River Site

Chemical of Potential Concern	CAS	Chronic/ Subchronic	Oral RfD	Oral Absorption Efficiency for Dermal	Absorbed RfD for Dermal[1]	Primary Target Organ(s)	Primary Target Organ System(s)	Combined Uncertainty/ Modifying Factors	RfD : Target Organ(s)	
			Value (mg/kg-day)		Value (mg/kg-day)				Source(s)	Date(s)
Aluminum	7429-90-5	Chronic	1 0E+00	1	1 0E+00	Neurological	Nervous	100	P	10/23/2006
Antimony (metallic)	7440-36-0	Chronic	4 0E-04	0 15	6 0E-05	Hematologic, Other	Hematologic	1000	I	1/31/1987
Arsenic, Inorganic	7440-38-2	Chronic	3 0E-04	1	3 0E-04	Cardiovascular, Dermal	Cardiovascular; Skin, Hair & Nails	3	I	9/1/1991
Barium	7440-39-3	Chronic	2 0E-01	0 07	1 4E-02	Urinary	Urinary	300	I	7/11/2005
Beryllium and compounds	7440-41-7	Chronic	2 0E-03	0 007	1 4E-05	Gastrointestinal	Gastrointestinal	300	I	4/3/1998
Bis(2-ethylhexyl)phthalate	117-81-7	Chronic	2 0E-02	1	2 0E-02	Hepatic	Gastrointestinal	1000	I	1/31/1987
Cadmium (Diet)	7440-43-9 (d)	Chronic	1 0E-03	0 025	2 5E-05	Urinary	Urinary	10	I	10/1/1989
Cadmium (Water)	7440-43-9 (w)	Chronic	5 0E-04	0 05	2 5E-05	Urinary	Urinary	10	I	10/1/1989
Chromium(VI)	18540-29-9	Chronic	3 0E-03	0 025	7 5E-05	None	--	300	I	9/3/1998
Cobalt	7440-48-4	Chronic	3 0E-04	1	3 0E-04	Thyroid	Endocrine	3000	P	8/25/2008
DDD, p,p'-	72-54-8	Chronic	3 0E-05	1	3 0E-05	Hepatic	Gastrointestinal	--	X	9/26/2017
Dieldrin	60-57-1	Chronic	5 0E-05	1	5 0E-05	Hepatic	Gastrointestinal	100	I	9/7/1988
Heptachlor Epoxide	1024-57-3	Chronic	1 3E-05	1	1 3E-05	Hepatic	Gastrointestinal	1000	I	9/30/1987
Hexachlorobenzene	118-74-1	Chronic	8 0E-04	1	8 0E-04	Hepatic	Gastrointestinal	100	I	9/26/1988
Iron	7439-89-6	Chronic	7 0E-01	1	7 0E-01	Gastrointestinal	Gastrointestinal	1 5	P	9/11/2006
Manganese (Non-diet)	7439-96-5	Chronic	2 4E-02	0 04	9 6E-04	Neurological	Nervous	1	S	5/1/1996
Methyl Mercury	22967-92-6	Chronic	1 0E-04	1	1 0E-04	Nervous, developmental	Nervous, Developmental	10	I	7/27/2001
Nickel Refinery Dust	7440-02-0 (rd)	Chronic	1 1E-02	0 04	4 4E-04	Developmental	Developmental	100	C	12/1/2005
Nickel Soluble Salts	7440-02-0 (ss)	Chronic	2 0E-02	0 04	8 0E-04	Decreased body and organ weights	Developmental	300	I	12/1/1991
Polychlorinated Biphenyls (high risk)	1336-36-3	Chronic	--	--	--	--	--	--	--	--
Selenium	7782-49-2	Chronic	5 0E-03	1	5 0E-03	Nervous, hematologic, dermal	Nervous; Hematologic; Skin, Hair & Nails	3	I	6/1/1991
TCDD, 2,3,7,8-	1746-01-6	Chronic	7 0E-10	1	7 0E-10	Reproductive	Reproductive	30	I	2/17/2012
Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47	5436-43-1	Chronic	1 0E-04	1	1 0E-04	Nervous	Nervous	3000	I	6/30/2008
Thallium (Soluble Salts)	7440-28-0 (ss)	Chronic	1 0E-05	1	1 0E-05	Hair follicle atrophy	Skin, Hair & Nails	3000	X	11/2/2012
Uranium (Soluble Salts)	7440-61-1	Chronic	2 0E-04	1	2 0E-04	Renal	Urinary	300	A	7/1/2012
Vanadium and Compounds	7440-62-2	Chronic	5 0E-03	0 026	1 3E-04	Decreased hair cystine	Skin, Hair & Nails	100	S	6/30/1988
Zirconium	7440-67-7	Chronic	8 0E-05	1	8 0E-05	Glycosuria, increased glucose and cholesterol	Cardiovascular; Endocrine	10000	X	12/27/2012

Source: EPA Regional Screening Level Table November 2017 (https://www epa gov/risk/regional-screening-levels-rsls)

[1]Absorbed Reference Doses for Dermal were derived using the Oral Reference Dose as follows: $RFD_{ABS} = RfD_o * ABS_{GI}$ (Equation 4 3 from EPA 2004b)

[2]See text of Section 4, Toxicity Assessment

Sources:

A = ATSDR

C = Cal EPA

H = HEAST

I = IRIS

P = PPRTV

S = See RSL User's Guide Section 5

X = Appendix PPRTV Screen (see RSL FAQ #29)

Table 4-3. Non-cancer Toxicity Data -- Inhalation Upper Columbia River Site

Chemical of Potential Concern	CAS	Chronic/ Subchronic	Inhalation RfC	Primary Target Organ(s)	Primary Target Organ System(s)	Combined Uncertainty/ Modifying Factors	RfC : Target Organ(s)	
			Value (mg/m^3)				Source(s)	Date(s)
Arsenic, Inorganic	7440-38-2	Chronic	1.50E-05	Neurological	Nervous	30	C	12/1/2008
Cadmium (Diet)	7440-43-9 (d)	Chronic	1.00E-05	Renal	Urinary	3/3	A	9/1/2012

Source: EPA Regional Screening Level Table November 2017 (https://www.epa.gov/risk/regional-screening-levels-rsls).

Sources:
A = ATSDR
C = Cal EPA

Table 4-4. Cancer Toxicity Data -- Oral/Dermal Upper Columbia River Site

Chemical of Potential Concern	CAS	Oral Cancer Slope Factor	Oral Absorption Efficiency for Dermal[1]	Absorbed Cancer Slope Factor for Dermal[2]	Weight of Evidence/Cancer Guideline Description	Oral CSF	
		Value (mg/kg-day)$^{-1}$		Value (mg/kg-day)$^{-1}$		Source(s)	Dates(s)
Aluminum	7429-90-5	--	--	--	--	--	--
Antimony (metallic)	7440-36-0	--	--	--	--	--	--
Arsenic, Inorganic	7440-38-2	1.5E+00	1	1.5E+00	A	I	6/1/1995
Barium	7440-39-3	--	--	--	--	--	--
Beryllium and compounds	7440-41-7	--	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	117-81-7	1.4E-02	1	1.4E-02	B2	I	9/7/1988
Cadmium (Diet)	7440-43-9 (d)	--	--	--	--	--	--
Cadmium (Water)	7440-43-9 (w)	--	--	--	--	--	--
Chromium(VI)	18540-29-9	--	0.025	--	Possible	--	7/1/2011
Cobalt	7440-48-4	--	--	--	--	--	--
DDD, p,p'-	72-54-8	2.4E-01	1	2.4E-01	B2	I	8/22/1988
Dieldrin	60-57-1	1.6E+01	1	1.6E+01	B2	I	9/7/1988
Heptachlor Epoxide	1024-57-3	9.1E+00	1	9.1E+00	B2	I	9/30/1987
Hexachlorobenzene	118-74-1	1.6E+00	1	1.6E+00	B2	I	3/1/1991
Iron	7439-89-6	--	--	--	--	--	--
Manganese (Non-diet)	7439-96-5	--	--	--	--	--	--
Methyl Mercury	22967-92-6	--	--	--	--	--	--
Nickel Refinery Dust	7440-02-0 (rd)	--	--	--	--	--	--
Nickel Soluble Salts	7440-02-0 (ss)	--	--	--	--	--	--
Polychlorinated Biphenyls (high risk)	1336-36-3	2.0E+00	1	2.0E+00	B2	I	10/1/1996
Selenium	7782-49-2	--	--	--	--	--	--
TCDD, 2,3,7,8-	1746-01-6	1.3E+05	1	1.3E+05	B2	C	2011
Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	5436-43-1	--	--	--	--	--	--
Thallium (Soluble Salts)	7440-28-0 (ss)	--	--	--	--	--	--
Uranium (Soluble Salts)	7440-61-1	--	--	--	--	--	--
Vanadium and Compounds	7440-62-2	--	--	--	--	--	--
Zirconium	7440-67-7	--	--	--	--	--	--

-- Not Available

Source: EPA Regional Screening Level Table November 2017 (https://www.epa.gov/risk/regional-screening-levels-rsls).

[1]Oral Absorption Efficiencies were obtained from EPA (2004b, Exhibit 4-1).

[2]Absorbed Cancer Slope Factors for Dermal were derived using the Oral Cancer Slope Factors as follows (Equation 4.2 from EPA, 2004b):
$SF_{ABS} = SF_o/ABS_{GI}$

[3]These chemicals demonstrate a mutagenic mode of action (MOA) and will be evaluated in accordance with EPA (2005c).

Sources:
C = Cal EPA
E = See RSL User's Guide Section 2.3.5
I = IRIS

Weight of Evidence/Cancer Guideline Description
A = Human carcinogen. Sufficient evidence of cancer in humans.
B1 = Probably human carcinogen. Sufficient evidence of cancer in animals (i.e., animal bioassay data indicative of a causal relationship), but limited evidence of cancer in humans (i.e., indicative of a possible causal relationship, but not exclusive of alternative explanations).
B2 = Probably human carcinogen. Sufficient evidence of cancer in animals (i.e., animal bioassay data indicative of a causal relationship), but lack of data or insufficient data from humans.
C = Possibly human carcinogen. Limited evidence of cancer in animals, and little or no human data.
D = Cannot be evaluated. No evidence or inadequate evidence of cancer in animals or humans.
E = Not human carcinogen. No evidence for carcinogenicity in at least two adequate animal tests in different species or in both adequate epidemiologic and animal studies.
NC = Not classified

Table 4-5. Cancer Toxicity Data -- Inhalation Upper Columbia River Site

Chemical of Potential Concern	CAS	Inhalation Unit Risk	Weight of Evidence/Cancer Guideline Description	Inhalation Unit Risk	
		Value $(\mu g/m3)^{-1}$		Source(s)	Dates(s)
Arsenic, Inorganic	7440-38-2	4.3E-03	A	I	6/1/1995
Cadmium (Diet)	7440-43-9 (d)	1.8E-03	B1	I	3/31/1987

Source: EPA Regional Screening Level Table November 2017 (https://www.epa.gov/risk/regional-screening-levels-rsls).

Source:
I = IRIS

Weight of Evidence/Cancer Guideline Description
A = Human carcinogen. Sufficient evidence of cancer in humans.
B1 = Probably human carcinogen. Sufficient evidence of cancer in animals (i.e., animal bioassay data indicative of a causal relationship), but limited evidence of cancer in humans (i.e., indicative of a possible causal relationship, but not exclusive of alternative explanations).
B2 = Probably human carcinogen. Sufficient evidence of cancer in animals (i.e., animal bioassay data indicative of a causal relationship), but lack of data or insufficient data from humans.
C = Possibly human carcinogen. Limited evidence of cancer in animals, and little or no human data.
D = Cannot be evaluated. No evidence or inadequate evidence of cancer in animals or humans. E = Not human carcinogen. No evidence for carcinogenicity in at least two adequate animal tests in different species or in both adequate epidemiologic and animal studies.
NC = Not classified

Table 4-6. COPCs[a] without Toxicity Values

Common Metals and Metalloids	Calcium[b], Magnesium[b], Potassium[b], Silicon, Sodium[b], Sulfur
Other Metals and Metalloids	Bismuth, Cerium, Cesium, Dimethylarsinic acid, Dysprosium, Erbium, Europium, Gadolinium, Gallium, Germanium, Gold, Holmium, Indium, Lanthanum, Lutetium, Monomethylarsonic acid, Neodymium, Niobium, Praseodymium, Rubidium, Samarium, Scandium, Tantalum, Tellurium, Terbium, Thorium, Thulium, Titanium, Tungsten, Ytterbium, Yttrium
SVOCs	1,3- Dichlorobenzene, 2-Nitrophenol, 3-Nitroaniline, 4-Bromophenyl-phenylether, 4-Chlorophenyl-phenyl ether, 4-Nitrophenol, Dimethyl phthalate
PAHs	Acenaphthylene, Benzo(e)pyrene, Benzo(ghi)perylene, Phenanthrene, Perylene
Pesticides	delta-BHC, Endosulfan II, Endrin aldehyde, cis-Nonachlor, trans-Nonachlor, Oxychlordane
PCDDs and PCDFs	Toxicity information is only available for the congeners listed in Table 4-2.
PBDEs	Toxicity information is only available for PBDE-47, PBDE-99, PBDE-153, and PBDE-209

[a]Analyte detected in at least sample in at least one exposure medium (soil, sediment, surface water, consumable biota, or air).
[b]Essential nutrient.

Table 4-7. Oral Absorption Efficiency Fractions for Dermal Exposure

COPC	Oral Absorption Efficiency for Dermal
Aluminum	1
Antimony (metallic)	0.15
Arsenic, Inorganic	1
Barium	0.07
Beryllium and compounds	0.007
Bis(2-ethylhexyl)phthalate	1
Cadmium (Diet)	0.025
Cadmium (Water)	0.05
Chlordane	1
Chromium(VI)	0.025
Cobalt	1
Copper	1
2,4'-DDD	1
2,4'-DDE	1
2,4'-DDT	1
4,4'-DDD	1
4,4'-DDE	1
4,4'-DDT	1
Dieldrin	1
Heptachlor Epoxide	1
Hexachlorobenzene	1
Iron	1
Manganese (Non-diet)	0.04
Mercury (elemental)	--
Methyl Mercury	1
Nickel Refinery Dust	0.04
Nickel Soluble Salts	0.04
Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	1
Polychlorinated Biphenyls (high risk)	--
Selenium	1
TCDD, 2,3,7,8-	1
Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	1
Thallium (Soluble Salts)	1
Uranium (Soluble Salts)	1
Vanadium and Compounds	0.026
Zinc and Compounds	1
Zirconium	1

Table 4-8. Toxic Equivalency Factors (TEFs) for Dioxins and Dioxin-like Compounds

Compound	WHO (2005) TEF	Compound	WHO (2005) TEF
Chlorinated dibenzo-p-dioxins		***Non-ortho substituted PCBs***	
2,3,7,8-TCDD	1	PCB-77	0.0001
1,2,3,7,8-PeCDD	1	PCB-81	0.0003
1,2,3,4,7,8-HxCDD	0.1	PCB-126	0.1
1,2,3,6,7,8-HxCDD	0.1	PCB-169	0.03
1,2,3,7,8,9-HxCDD	0.1		
1,2,3,4,6,7,8-HpCDD	0.01		
OCDD	0.0003		
Chlorinated dibenzofurans		***Mono-ortho substituted PCBs***	
2,3,7,8-TCDF	0.1	PCB-105	0.00003
1,2,3,7,8-PeCDF	0.03	PCB-114	0.00003
2,3,4,7,8-PeCDF	0.3	PCB-118	0.00003
1,2,3,4,7,8-HxCDF	0.1	PCB-123	0.00003
1,2,3,6,7,8-HxCDF	0.1	PCB-156	0.00003
1,2,3,7,8,9-HxCDF	0.1	PCB-157	0.00003
2,3,4,6,7,8-HxCDF	0.1	PCB-167	0.00003
1,2,3,4,6,7,8-HpCDF	0.01	PCB-189	0.00003
1,2,3,4,7,8,9-HpCDF	0.01		
OCDF	0.0003		

Source: Van den Berg et al. (2006)

Table 4-9. RPFs for Carcinogenic PAHs

Compound	EPA (1993) RPF
Benzo(a)pyrene	1
Benz(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01
Chrysene	0.001
Dibenz(a,h)anthracene	1
Indeno(1,2,3-c,d)pyrene	0.1

Source: EPA (1993)

Table 4-10. Summary Statistics for DU RBAs (Excluding Beaches)

	N	Mean	Standard Deviation (SD)	Standard Error (SE)	SD/Mean
Lead RBA %					
Outside 2014 Boundary	32	50.5	13.6	2.4	0.27
Inside 2014 Boundary	107	63.9	7.6	0.7	0.12
Arsenic RBA %					
Outside 2014 Boundary	32	16.4	6.6	1.2	0.41
Inside 2014 Boundary	107	27.6	7.4	0.7	0.27

Table 4-11. Summary Statistics for Beach[a] DU RBAs (SRC, 2017)

	N	Mean	SD	SE	SD/Mean
Lead RBA %					
Outside 2014 Boundary	5	50.2	9.7	4.3	0.19
Inside 2014 Boundary	18	56.8	5.8	1.4	0.10
Arsenic RBA %					
Outside 2014 Boundary	5	21.2	6.2	2.8	0.29
Inside 2014 Boundary	18	30.0	5.1	1.2	0.17

[a]As described in SRC (2017), this includes 7 beaches sampled between 2009-2011 (TAI, 2014a) as well as beach DUs that were sampled as part of the 2014 and 2016 Residential Soil Studies (CH2MHill, 2016a; TAI, 2017a).
Four of the seven beaches sampled between 2009-2011 are located within the 2014 residential soil study boundary; IVBA data for the four beaches were included in the data that were used to estimate the average

IVBA for beaches located within the 2014 residential soil study boundary. Three of the seven beaches sampled between 2009-2011 are located outside the 2014 residential soil study boundary; IVBA data for the three beaches were included in the data that were used to estimate the average IVBA for beaches located outside the 2014 residential soil study boundary. Two of these seven beaches (Flat Creek and Swimming Hole) were reanalyzed in 2013 for IVBA of the <250µm fraction; those data are used in place of the calculated values from the 2009-2011 analysis.

Table 4-12. Summary Statistics for Upland ADA and RFDA RBAs

Upland Type	Analyte	N	Mean	SD
ADA	Arsenic	22	28.4	6.9
ADA	Lead	22	70.6	7.1
RFDA	Arsenic	3	19.7	4.7
RFDA	Lead	3	49.9	3.8

Table 5-1. Lead Intake for UCR Fish Species

Receptor Population	Fish DCR (g/day)	Lead Intake Burbot (µg Pb/day)	Lead Intake Kokanee (µg Pb/day)	Lead Intake Northern Pike (µg Pb/day)	Lead Intake Rainbow Trout (µg Pb/day)	Lead Intake Smallmouth Bass (µg Pb/day)	Lead Intake Sturgeon (µg Pb/day)	Lead Intake Sucker (µg Pb/day)	Lead Intake Walleye (µg Pb/day)	Lead Intake Whitefish (µg Pb/day)
Current and Future Child Resident (with or without a Beach)	4.2	0.09	0.02	0.01	0.09	0.07	0.02	0.57	0.11	0.04
Child Recreational Visitor	3.2	0.07	0.01	0.01	0.07	0.05	0.02	0.43	0.08	0.03

Table 5-2. IEUBK Model Results for Children Exposed to Lead in Residential Soil without Fish Consumption

DU	DU Type	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
7	Play Area	1.9	<0.1	<0.1
9	Agriculture	**9.2**	0.8	<0.1
13	Other -Not Specified	**9.3**	0.8	<0.1
14	Garden	**7.3**	0.6	<0.1
15	House	**9.4**	0.8	<0.1
16	Other -Not Specified	**53.8**	**16.1**	2.3
17	Other -Not Specified	**18.1**	2.3	0.1
18	House	1.9	<0.1	<0.1
20	Garden	1.9	<0.1	<0.1
21	House	**10.8**	1.0	<0.1
22	House	**13.0**	1.3	<0.1
25	House	4.9	0.3	<0.1
27	Other -Not Specified	**15.6**	1.8	<0.1
28	Garden	4.4	0.3	<0.1
29	Other -Not Specified	3.9	0.2	<0.1
30	Other -Not Specified	4.7	0.3	<0.1
31	Other -Not Specified	**37.1**	**7.8**	0.8
33	House	**28.1**	4.8	0.4
35	House	1.9	<0.1	<0.1
39	Agriculture	1.9	<0.1	<0.1
40	House	1.9	<0.1	<0.1
42	House	**32.3**	**6.1**	0.5
44	Agriculture	**10.2**	0.9	<0.1
46	Other -Not Specified	**24.8**	3.9	0.3
47	Agriculture	**31.0**	**5.7**	0.5
49	House	1.9	<0.1	<0.1
55	House	**6.2**	0.4	<0.1
56	Other -Not Specified	**24.3**	3.7	0.3
58	Agriculture	**6.9**	0.5	<0.1
59	House	**28.1**	4.8	0.4
60	Garden	**5.4**	0.4	<0.1
61	House	**15.9**	1.9	0.1
62	House	**12.9**	1.3	<0.1
66	Other -Not Specified	**16.5**	2.0	0.1
67	Garden	**22.3**	3.2	0.2
70	House	**27.4**	4.6	0.4
71	Garden	**14.3**	1.6	<0.1
72	Garden	**32.5**	**6.2**	0.6
75	House	**57.6**	**18.5**	2.9
82	House	5.0	0.3	<0.1
85	House	**5.2**	0.3	<0.1
86	Agriculture	**12.5**	1.3	<0.1
87	Agriculture	**10.2**	0.9	<0.1

Table 5-2. IEUBK Model Results for Children Exposed to Lead in Residential Soil without Fish Consumption

DU	DU Type	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
106	House	**58.3**	**19.0**	3.0
107	Garden	**21.4**	3.0	0.2
108	Garden	**24.3**	3.7	0.3
109	House	1.9	<0.1	<0.1
110	House	**8.8**	0.7	<0.1
111	Other -Not Specified	**6.6**	0.5	<0.1
112	House	**68.7**	**27.5**	**5.5**
121	House	**17.7**	2.2	0.1
122	Other -Not Specified	**6.4**	0.5	<0.1
123	House	**50.8**	**14.3**	1.9
135	Other -Not Specified	**14.8**	1.6	<0.1
146	House	**7.9**	0.6	<0.1
147	Garden	4.6	0.3	<0.1
151	House	1.9	<0.1	<0.1
152	Other -Not Specified	**23.9**	3.6	0.3
154	House	**6.1**	0.4	<0.1
160	House	**18.6**	2.4	0.1
163	House	**19.4**	2.6	0.2
164	Agriculture	**12.9**	1.3	<0.1
167	Agriculture	**6.7**	0.5	<0.1
168	House	**55.3**	**17.0**	2.5
169	Other -Not Specified	**38.2**	**8.3**	0.8
170	House	2.3	0.1	<0.1
175	Other -Not Specified	**21.7**	3.1	0.2
177	Agriculture	**22.0**	3.1	0.2
185	House	**26.3**	4.3	0.3
186	House	**34.6**	**6.9**	0.7
189	House	**18.8**	2.4	0.1
192	House	**38.3**	**8.3**	0.9
193	House	**16.4**	1.9	0.1
194	House	1.9	<0.1	<0.1
196	House	1.9	<0.1	<0.1
201	House	**66.0**	**25.0**	4.7
203	House	1.9	<0.1	<0.1
206	House	**16.8**	2.0	0.1
208	Other -Not Specified	**20.1**	2.7	0.2
213	Other -Not Specified	**65.2**	**24.3**	4.5
216	House	**46.5**	**12.0**	1.5
218	House	1.9	<0.1	<0.1
229	Play Area	4.4	0.3	<0.1
231	House	**14.0**	1.5	<0.1
246	Play Area	2.9	0.1	<0.1
249	Other -Not Specified	**8.4**	0.7	<0.1

Table 5-2. IEUBK Model Results for Children Exposed to Lead in Residential Soil without Fish Consumption

DU	DU Type	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
250	House	**9.2**	0.8	<0.1
253	House	**11.7**	1.1	<0.1
280	Other -Not Specified	**55.5**	**17.1**	2.6
287	Agriculture	**18.1**	2.3	0.1
288	House	**6.3**	0.4	<0.1
291	Agriculture	**7.4**	0.6	<0.1
306	Other -Not Specified	**8.4**	0.7	<0.1
315	House	3.5	0.2	<0.1
316	Other -Not Specified	**11.0**	1.0	<0.1
317	House	**32.0**	**6.0**	0.5
318	Other -Not Specified	**66.6**	**25.5**	4.9
319	Other -Not Specified	**72.2**	**31.0**	**6.7**
325	Garden	3.5	0.2	<0.1
326	Other -Not Specified	**6.7**	0.5	<0.1
327	Other -Not Specified	4.5	0.3	<0.1
345	Play Area	**10.8**	1.0	<0.1
346	Garden	**14.8**	1.7	<0.1
347	Other -Not Specified	**46.9**	**12.2**	1.5
801	Other -Not Specified	**34.2**	**6.8**	0.6
1001	Other -Not Specified	**61.2**	**21.1**	3.6
1005	Garden	**12.0**	1.2	<0.1
1006	House	**9.2**	0.8	<0.1
1007	Garden	4.7	0.3	<0.1
1008	Agriculture	**9.1**	0.8	<0.1
1010	Agriculture	**11.8**	1.2	<0.1
1011	Agriculture	**17.4**	2.1	0.1
1015	Garden	4.3	0.3	<0.1
1017	Garden	**16.2**	1.9	0.1
1018	Garden	4.7	0.3	<0.1
1020	Garden	**9.8**	0.9	<0.1
1021	House	1.9	<0.1	<0.1
1030	Other -Not Specified	2.3	0.1	<0.1
1035	Garden	**12.4**	1.3	<0.1
1036	Play Area	**7.3**	0.6	<0.1
1037	Garden	**10.1**	0.9	<0.1
1060	House	**14.4**	1.6	<0.1
3000	House	2.7	0.1	<0.1
3001	Garden	**56.0**	**17.5**	2.6
3003	Other -Not Specified	**43.9**	**10.7**	1.3
3004	House	**7.9**	0.6	<0.1
075-A1	Agriculture	**6.5**	0.5	<0.1
075-H1	House	**7.9**	0.6	<0.1
075-O1	Other -Not Specified	**38.7**	**8.5**	0.9

Table 5-2. IEUBK Model Results for Children Exposed to Lead in Residential Soil without Fish Consumption

DU	DU Type	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
076-G1	Garden	**8.3**	0.7	<0.1
076-G2	Garden	**9.6**	0.8	<0.1
076-H1	House	**9.4**	0.8	<0.1
076-H2	House	**9.1**	0.8	<0.1
076-N1	Animal Activity Area	**19.3**	2.5	0.2
077-A1	Agriculture	3.1	0.2	<0.1
077-A2	Agriculture	3.0	0.2	<0.1
077-G1	Garden	2.8	0.1	<0.1
077-H1	House	3.4	0.2	<0.1
077-H2	House	3.4	0.2	<0.1
077-N1	Animal Activity Area	3.3	0.2	<0.1
078-G1	Garden	3.5	0.2	<0.1
078-H1	House	2.5	0.1	<0.1
078-N1	Animal Activity Area	2.7	0.1	<0.1
078-O1	Other -Not Specified	3.1	0.2	<0.1
079-H1	House	**6.5**	0.5	<0.1
079-H2	House	**13.5**	1.4	<0.1
080-H1	House	2.5	0.1	<0.1
081-A1	Agriculture	3.4	0.2	<0.1
081-H1	House	4.1	0.2	<0.1
081-O1	Other -Not Specified	**14.2**	1.5	<0.1
082-G1	Garden	2.4	0.1	<0.1
082-G2	Garden	3.7	0.2	<0.1
082-H1	House	3.8	0.2	<0.1
082-N1	Animal Activity Area	3.3	0.2	<0.1
082-N2	Animal Activity Area	3.9	0.2	<0.1
083-G1	Garden	3.3	0.2	<0.1
083-G2	Garden	3.0	0.1	<0.1
083-H1	House	4.0	0.2	<0.1
084-H1	House	3.5	0.2	<0.1
085-H1	House	**5.5**	0.4	<0.1
085-O1	Other -Not Specified	**7.7**	0.6	<0.1
085-P1	Play Area	**19.3**	2.5	0.2
086-G1	Garden	**6.8**	0.5	<0.1
086-H1	House	**5.6**	0.4	<0.1
086-H2	House	**9.3**	0.8	<0.1
087-H1	House	4.7	0.3	<0.1
087-O1	Other -Not Specified	**9.3**	0.8	<0.1
088-H1	House	**24.0**	3.7	0.3
088-H2	House	**19.6**	2.6	0.2
088-O1	Other -Not Specified	**15.8**	1.8	0.1
089-A1	Agriculture	**7.7**	0.6	<0.1
089-H1	House	**9.6**	0.8	<0.1

Table 5-2. IEUBK Model Results for Children Exposed to Lead in Residential Soil without Fish Consumption

DU	DU Type	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
089-O1	Other -Not Specified	**5.5**	0.4	<0.1
090-H1	House	**9.6**	0.8	<0.1
090-O2	Other -Not Specified	**19.3**	2.5	0.2
091-G1	Garden	**7.8**	0.6	<0.1
091-H1	House	**5.1**	0.3	<0.1
092-O1	Other -Not Specified	**23.3**	3.5	0.2
092-O2	Other -Not Specified	**10.5**	1.0	<0.1
093-H1	House	**6.3**	0.4	<0.1
094-H1	House	**7.7**	0.6	<0.1
094-P1	Play Area	**7.3**	0.6	<0.1
095-A1	Agriculture	**22.2**	3.2	0.2
095-H1	House	**13.0**	1.3	<0.1
095-O1	Other -Not Specified	**17.9**	2.2	0.1
095-O2	Other -Not Specified	**22.8**	3.4	0.2
096-H1	House	**23.1**	3.4	0.2
096-O1	Other -Not Specified	**47.0**	**12.3**	1.5
097-H1	House	**16.7**	2.0	0.1
097-H2	House	**12.9**	1.3	<0.1
098-G1	Garden	3.4	0.2	<0.1
098-H1	House	3.2	0.2	<0.1
098-O1	Other -Not Specified	2.4	0.1	<0.1
099-A1	Agriculture	**5.1**	0.3	<0.1
099-G2	Garden	**5.8**	0.4	<0.1
099-H1	House	**17.1**	2.1	0.1
099-O1	Other -Not Specified	**21.6**	3.1	0.2
100-G1	Garden	4.2	0.2	<0.1
100-H1	House	**16.5**	2.0	0.1
100-N1	Animal Activity Area	**8.7**	0.7	<0.1
100-N2	Animal Activity Area	**6.9**	0.5	<0.1
100-O1	Other -Not Specified	**16.1**	1.9	0.1
101-G1	Garden	4.6	0.3	<0.1
101-H1	House	**15.0**	1.7	<0.1
101-O1	Other -Not Specified	**28.6**	4.9	0.4
102-G1	Garden	**5.1**	0.3	<0.1
102-H1	House	2.9	0.1	<0.1
103-H1	House	**12.9**	1.3	<0.1
103-O1	Other -Not Specified	**10.1**	0.9	<0.1
104-H1	House	**23.7**	3.6	0.3
104-H2	House	**20.6**	2.8	0.2
104-N1	Animal Activity Area	**18.0**	2.3	0.1
105-H1	House	**11.1**	1.0	<0.1
105-P1	Play Area	**30.1**	**5.4**	0.5
106-G1	Garden	2.8	0.1	<0.1

Table 5-2. IEUBK Model Results for Children Exposed to Lead in Residential Soil without Fish Consumption

DU	DU Type	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
106-G2	Garden	2.8	0.1	<0.1
106-H1	House	2.2	<0.1	<0.1
106-O1	Other -Not Specified	2.6	0.1	<0.1
107-H1	House	**33.1**	**6.4**	0.6
108-H1	House	**6.8**	0.5	<0.1
108-O1	Other -Not Specified	**13.1**	1.4	<0.1
108-O2	Other -Not Specified	4.9	0.3	<0.1
109-H1	House	2.3	0.1	<0.1
110-A1	Agriculture	**9.2**	0.8	<0.1
110G	Garden	3.8	0.2	<0.1
110-G1	Garden	**6.3**	0.4	<0.1
110-G2	Garden	3.0	0.1	<0.1
110-H1	House	**5.4**	0.3	<0.1
110-O1	Other -Not Specified	4.2	0.2	<0.1
110-O2	Other -Not Specified	**7.8**	0.6	<0.1
111-H1	House	3.8	0.2	<0.1
112G	Garden	**23.6**	3.5	0.3
112-G1	Garden	**9.9**	0.9	<0.1
112-H1	House	**8.4**	0.7	<0.1
112-O1	Other -Not Specified	**44.3**	**10.9**	1.3
113-G1	Garden	**21.8**	3.1	0.2
113-G2	Garden	**25.1**	3.9	0.3
113-G3	Garden	**7.3**	0.5	<0.1
113low	Other -Not Specified	**38.4**	**8.3**	0.9
113-O1	Other -Not Specified	**13.6**	1.4	<0.1
113up	Other -Not Specified	**59.9**	**20.2**	3.3
114-G1	Garden	**43.6**	**10.6**	1.2
114-H1	House	**49.3**	**13.5**	1.8
114-O1	Other -Not Specified	**38.4**	**8.3**	0.9
115-O1	Other -Not Specified	**59.3**	**19.8**	3.2
115SP	Other -Not Specified	**71.0**	**29.7**	**6.3**
116M	House	**52.5**	**15.3**	2.1
116-O1	Other -Not Specified	**15.7**	1.8	<0.1
117-O1	Other -Not Specified	2.0	<0.1	<0.1
118-G1	Garden	2.7	0.1	<0.1
118-G2	Garden	2.4	0.1	<0.1
118-H1	House	2.4	0.1	<0.1
118-N1	Animal Activity Area	4.3	0.2	<0.1
118-N2	Animal Activity Area	**7.2**	0.5	<0.1
119-P1	Play Area	**40.6**	**9.3**	1.0
120-A1	Agriculture	**5.2**	0.3	<0.1
120-G1	Garden	5.0	0.3	<0.1
120-H1	House	**5.3**	0.3	<0.1

Table 5-2. IEUBK Model Results for Children Exposed to Lead in Residential Soil without Fish Consumption

DU	DU Type	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
120-O1	Other -Not Specified	**9.4**	0.8	<0.1
121-G1	Garden	3.0	0.1	<0.1
121-H1	House	4.0	0.2	<0.1
121-N1	Animal Activity Area	2.4	0.1	<0.1
121-N2	Animal Activity Area	3.6	0.2	<0.1
122-G1	Garden	**6.0**	0.4	<0.1
122-G2	Garden	**5.3**	0.3	<0.1
122-H1	House	**12.4**	1.2	<0.1
122-H2	House	**6.1**	0.4	<0.1
122-O1	Other -Not Specified	**21.0**	2.9	0.2
122-O2	Other -Not Specified	**35.1**	**7.1**	0.7
122-P1	Play Area	**48.3**	**12.9**	1.7
123-G1	Garden	**7.8**	0.6	<0.1
123-G2	Garden	**9.3**	0.8	<0.1
123-H1	House	**6.8**	0.5	<0.1
123-O1	Other -Not Specified	**10.4**	1.0	<0.1
123-O2	Other -Not Specified	**30.6**	**5.6**	0.5
124-G1	Garden	2.8	0.1	<0.1
124-G2	Garden	**7.3**	0.6	<0.1
124-H1	House	3.3	0.2	<0.1
124-N1	Animal Activity Area	2.7	0.1	<0.1
124-N2	Animal Activity Area	1.6	<0.1	<0.1
124-O1	Other -Not Specified	**7.3**	0.6	<0.1
125-O1	Other -Not Specified	**6.5**	0.5	<0.1
126-A1	Agriculture	**6.0**	0.4	<0.1
126-G1	Garden	4.4	0.3	<0.1
126-G2	Garden	3.8	0.2	<0.1
126-H1	House	2.4	0.1	<0.1
126-O1	Other -Not Specified	4.4	0.3	<0.1
126-O2	Other -Not Specified	2.6	0.1	<0.1
126-O3	Other -Not Specified	4.5	0.3	<0.1
126-P1	Play Area	2.8	0.1	<0.1
127-A1	Agriculture	**12.9**	1.3	<0.1
127-G1	Garden	**5.8**	0.4	<0.1
127-G2	Garden	**6.0**	0.4	<0.1
127-H1	House	**9.8**	0.9	<0.1
127-H2	House	3.9	0.2	<0.1
127-N1	Animal Activity Area	**12.9**	1.3	<0.1
128-G1	Garden	3.4	0.2	<0.1
128-G2	Garden	**6.4**	0.5	<0.1
128-G3	Garden	3.7	0.2	<0.1
128-N1	Animal Activity Area	**13.2**	1.4	<0.1
128-O1	Other -Not Specified	**6.4**	0.5	<0.1

Table 5-2. IEUBK Model Results for Children Exposed to Lead in Residential Soil without Fish Consumption

DU	DU Type	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
129-H1	House	**44.3**	**10.9**	1.3
129-H2	House	**50.7**	**14.2**	1.9
130-G1	Garden	3.4	0.2	<0.1
130-H1	House	2.1	<0.1	<0.1
130-H2	House	4.8	0.3	<0.1
131-H1	House	**15.6**	1.8	<0.1
132-G1	Garden	2.2	<0.1	<0.1
132-G2	Garden	1.6	<0.1	<0.1
132-H1	House	2.8	0.1	<0.1
132-O1	Other -Not Specified	3.1	0.2	<0.1
133-G1	Garden	**19.2**	2.5	0.2
133-H1	House	**11.4**	1.1	<0.1
134-O1	Other -Not Specified	**78.6**	**38.5**	**9.8**
135-G1	Garden	**12.6**	1.3	<0.1
135-H1	House	**21.4**	3.0	0.2
135-O1	Other -Not Specified	**12.3**	1.2	<0.1
136-A1	Agriculture	2.7	0.1	<0.1
136-G1	Garden	2.6	0.1	<0.1
136-H1	House	3.2	0.2	<0.1
136-O1	Other -Not Specified	**27.7**	4.7	0.4
137-O1	Other -Not Specified	**23.4**	3.5	0.2
137-O2	Other -Not Specified	**13.5**	1.4	<0.1
138-G1	Garden	3.3	0.2	<0.1
138-G2	Garden	4.3	0.3	<0.1
138-H1	House	2.8	0.1	<0.1
138-O1	Other -Not Specified	2.5	0.1	<0.1
138-O2	Other -Not Specified	4.1	0.2	<0.1
139-G1	Garden	4.2	0.2	<0.1
139-G2	Garden	3.6	0.2	<0.1
139-H1	House	3.9	0.2	<0.1
139-N1	Animal Activity Area	4.1	0.2	<0.1
140-G1	Garden	**38.4**	**8.3**	0.9
140-H1	House	2.3	0.1	<0.1
140-O1	Other -Not Specified	**71.1**	**29.8**	**6.3**
140-O2	Other -Not Specified	2.3	0.1	<0.1
141-A1	Agriculture	3.6	0.2	<0.1
141-H1	House	**6.4**	0.5	<0.1
141-H2	House	**7.7**	0.6	<0.1
141-H3	House	**6.0**	0.4	<0.1
141-N1	Animal Activity Area	2.9	0.1	<0.1
141-N2	Animal Activity Area	3.8	0.2	<0.1
141-N3	Animal Activity Area	1.8	<0.1	<0.1
141-N4	Animal Activity Area	3.5	0.2	<0.1

Table 5-2. IEUBK Model Results for Children Exposed to Lead in Residential Soil without Fish Consumption

DU	DU Type	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
141-O1	Other -Not Specified	4.0	0.2	<0.1
142-H1	House	**10.0**	0.9	<0.1
142-O1	Other -Not Specified	**6.4**	0.5	<0.1
143-A1	Agriculture	4.7	0.3	<0.1
143-G1	Garden	**6.1**	0.4	<0.1
143-G2	Garden	4.2	0.2	<0.1
143-H1	House	**6.6**	0.5	<0.1
144-G1	Garden	**10.1**	0.9	<0.1
144-H1	House	**16.5**	2.0	0.1
145-A1	Agriculture	**5.6**	0.4	<0.1
145-H1	House	**19.7**	2.6	0.2
146G	Garden	3.9	0.2	<0.1
146-H1	House	**99.5**	**92.8**	**67.8**
147-G1	Garden	**5.4**	0.4	<0.1
147-G2	Garden	**8.3**	0.7	<0.1
147-H1	House	**8.1**	0.6	<0.1
148-H1	House	4.4	0.3	<0.1
148-O1	Other -Not Specified	**5.6**	0.4	<0.1
148-O3	Other -Not Specified	**11.0**	1.0	<0.1
149-A1	Agriculture	4.2	0.2	<0.1
149-G1	Garden	4.4	0.3	<0.1
149-G2	Garden	4.9	0.3	<0.1
149-H1	House	**6.9**	0.5	<0.1
149-N1	Animal Activity Area	3.2	0.2	<0.1
150-G1	Garden	4.0	0.2	<0.1
150-H1	House	3.5	0.2	<0.1
151-H1	House	**10.5**	1.0	<0.1
152-G1	Garden	**12.3**	1.2	<0.1
152-H1	House	**20.8**	2.9	0.2
153-G1	Garden	**11.1**	1.0	<0.1
153-H1	House	**41.7**	**9.8**	1.1
153-O1	Other -Not Specified	**31.0**	**5.7**	0.5
153-O2	Other -Not Specified	**56.2**	**17.6**	2.7
153-O3	Other -Not Specified	**30.6**	**5.6**	0.5
153-O5	Other -Not Specified	**45.6**	**11.5**	1.4
153-O6	Other -Not Specified	**10.5**	1.0	<0.1
153-O7	Other -Not Specified	**54.5**	**16.5**	2.4
153-P1	Play Area	**41.4**	**9.6**	1.1
154-G1	Garden	2.3	0.1	<0.1
154-H1	House	2.4	0.1	<0.1
155-G1	Garden	**16.3**	1.9	0.1
155-G2	Garden	**9.2**	0.8	<0.1
155-H1	House	4.7	0.3	<0.1

Table 5-2. IEUBK Model Results for Children Exposed to Lead in Residential Soil without Fish Consumption

DU	DU Type	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
155-H2	House	**21.2**	3.0	0.2
155-O2	Other -Not Specified	**39.8**	**8.9**	0.9
156-H1	House	**7.9**	0.6	<0.1
156-O1	Other -Not Specified	**17.3**	2.1	0.1
157-G1	Garden	3.8	0.2	<0.1
157-H1	House	**9.3**	0.8	<0.1
157-H2	House	**5.8**	0.4	<0.1
157-O1	Other -Not Specified	**6.2**	0.4	<0.1
158-H1	House	3.2	0.2	<0.1
158-O1	Other -Not Specified	4.6	0.3	<0.1
159-G1	Garden	**6.6**	0.5	<0.1
159-H1	House	**5.4**	0.4	<0.1
159-H2	House	**10.4**	1.0	<0.1
159-O1	Other -Not Specified	4.0	0.2	<0.1
159-O2	Other -Not Specified	4.6	0.3	<0.1
160-G1	Garden	**14.8**	1.7	<0.1
160-H1	House	**7.7**	0.6	<0.1
160-H2	House	**7.1**	0.5	<0.1
161-H1	House	**14.7**	1.6	<0.1
161-N1	Animal Activity Area	**10.4**	0.9	<0.1
162-H1	House	**7.8**	0.6	<0.1
163G	Garden	**31.1**	**5.7**	0.5
163-G1	Garden	4.8	0.3	<0.1
163-O1	Other -Not Specified	**6.6**	0.5	<0.1
164-H1	House	**14.8**	1.6	<0.1
165-H1	House	1.9	<0.1	<0.1
165-O1	Other -Not Specified	**5.7**	0.4	<0.1
166-O1	Other -Not Specified	**36.8**	**7.7**	0.8
167-O1	Other -Not Specified	**10.2**	0.9	<0.1
167-O2	Other -Not Specified	**18.8**	2.4	0.1
167-O3	Other -Not Specified	**31.2**	**5.8**	0.5
167-O4	Other -Not Specified	**22.5**	3.3	0.2
167-O5	Other -Not Specified	**31.3**	**5.8**	0.5
167-O6	Other -Not Specified	**35.4**	**7.2**	0.7
167-O7	Other -Not Specified	**59.7**	**20.0**	3.3
167-O8	Other -Not Specified	**27.9**	4.7	0.4
167-O9	Other -Not Specified	**26.3**	4.3	0.3
168-G1	Garden	3.5	0.2	<0.1
168-G2	Garden	3.5	0.2	<0.1
168-H1	House	2.8	0.1	<0.1
168-N1	Animal Activity Area	3.1	0.2	<0.1
168-O1	Other -Not Specified	4.4	0.3	<0.1
169A	Other -Not Specified	**34.0**	**6.7**	0.6

Table 5-2. IEUBK Model Results for Children Exposed to Lead in Residential Soil without Fish Consumption

DU	DU Type	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
169-G2	Garden	3.4	0.2	<0.1
169-G3	Garden	5.0	0.3	<0.1
169-G4	Garden	4.7	0.3	<0.1
169-H1	House	3.8	0.2	<0.1
170-G1	Garden	4.3	0.3	<0.1
170-G2	Garden	**12.7**	1.3	<0.1
170-H1	House	**7.3**	0.6	<0.1
171-A1	Agriculture	**19.0**	2.5	0.2
171-G1	Garden	**34.3**	**6.8**	0.6
171-H1	House	**33.0**	**6.3**	0.6
172U	Other -Not Specified	**43.8**	**10.7**	1.2
173-G1	Garden	4.4	0.3	<0.1
173-G2	Garden	2.1	<0.1	<0.1
173-G3	Garden	**8.5**	0.7	<0.1
173-G4	Garden	**13.2**	1.4	<0.1
173-G5	Garden	2.6	0.1	<0.1
173-H1	House	**15.8**	1.8	0.1
173-P1	Play Area	**22.4**	3.2	0.2
174-A1	Agriculture	**6.7**	0.5	<0.1
174-G1	Garden	**7.6**	0.6	<0.1
174-H1	House	**23.2**	3.4	0.2
174M	House	2.5	0.1	<0.1
175-G1	Garden	**7.4**	0.6	<0.1
175-G2	Garden	2.7	0.1	<0.1
175-H1	House	**7.2**	0.5	<0.1
176-A1	Agriculture	3.6	0.2	<0.1
176G	Garden	**16.4**	1.9	0.1
176-H1	House	4.5	0.3	<0.1
176-H2	House	2.8	0.1	<0.1
176M	House	**29.8**	**5.3**	0.4
176-P1	Play Area	3.6	0.2	<0.1
178-H1	House	2.8	0.1	<0.1
179-H1	House	**8.0**	0.6	<0.1
180-H1	House	**62.9**	**22.4**	3.9
180-H2	House	2.3	0.1	<0.1
180-O1	Other -Not Specified	**69.6**	**28.3**	**5.8**
181-A1	Agriculture	**11.1**	1.1	<0.1
181-G1	Garden	4.4	0.3	<0.1
181-G2	Garden	**12.0**	1.2	<0.1
181-H1	House	**13.4**	1.4	<0.1
181-H2	House	**12.4**	1.3	<0.1
181-N1	Animal Activity Area	**14.2**	1.6	<0.1
181-N2	Animal Activity Area	**16.1**	1.9	0.1

Table 5-2. IEUBK Model Results for Children Exposed to Lead in Residential Soil without Fish Consumption

DU	DU Type	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
181-O1	Other -Not Specified	**5.2**	0.3	<0.1
182-G1	Garden	**26.8**	4.4	0.3
182-G2	Garden	**23.2**	3.5	0.2
182-H1	House	**16.1**	1.9	0.1
182-H2	House	**15.4**	1.8	<0.1
182-O1	Other -Not Specified	**11.7**	1.1	<0.1
182-O2	Other -Not Specified	**24.4**	3.7	0.3
182-O3	Other -Not Specified	**23.0**	3.4	0.2
184-H1	House	**24.9**	3.9	0.3
185-A1	Agriculture	3.2	0.2	<0.1
185G	Garden	**6.6**	0.5	<0.1
185-H1	House	3.1	0.2	<0.1
186-O1	Other -Not Specified	**52.9**	**15.5**	2.2
187-H1	House	**11.3**	1.1	<0.1
188-A1	Agriculture	**7.5**	0.6	<0.1
188-G1	Garden	**12.7**	1.3	<0.1
188-G2	Garden	**13.5**	1.4	<0.1
188-G3	Garden	**5.6**	0.4	<0.1
188-H1	House	3.6	0.2	<0.1
188-P1	Play Area	**5.1**	0.3	<0.1
189-G1	Garden	4.0	0.2	<0.1
189-H1	House	**7.3**	0.5	<0.1
189-H2	House	**10.8**	1.0	<0.1
189-O1	Other -Not Specified	**13.2**	1.4	<0.1
190-G1	Garden	2.2	<0.1	<0.1
190-H1	House	3.8	0.2	<0.1
190-N1	Animal Activity Area	2.7	0.1	<0.1
190-N2	Animal Activity Area	2.5	0.1	<0.1
190-N3	Animal Activity Area	2.3	0.1	<0.1
190-O1	Other -Not Specified	**5.8**	0.4	<0.1
191-H1	House	**28.9**	**5.0**	0.4
192-A1	Agriculture	3.5	0.2	<0.1
192-G1	Garden	2.8	0.1	<0.1
192-H1	House	3.2	0.2	<0.1
193-G1	Garden	2.2	<0.1	<0.1
193-H1	House	2.3	0.1	<0.1
194-H1	House	2.7	0.1	<0.1
194-N1	Animal Activity Area	3.2	0.2	<0.1
195-G1	Garden	**7.4**	0.6	<0.1
195-G2	Garden	**18.9**	2.4	0.1
195-O1	Other -Not Specified	**26.1**	4.2	0.3
196-A1	Agriculture	**5.2**	0.3	<0.1
196-A2	Agriculture	**6.4**	0.5	<0.1

Table 5-2. IEUBK Model Results for Children Exposed to Lead in Residential Soil without Fish Consumption

DU	DU Type	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
196-G1	Garden	4.3	0.3	<0.1
196-O1	Other -Not Specified	**6.4**	0.5	<0.1
197-H1	House	**16.5**	2.0	0.1
198-G1	Garden	**7.5**	0.6	<0.1
198-H1	House	**21.2**	3.0	0.2
199-G1	Garden	2.0	<0.1	<0.1
199-O1	Other -Not Specified	2.7	0.1	<0.1
200-G1	Garden	2.9	0.1	<0.1
200-H1	House	2.8	0.1	<0.1
200-O1	Other -Not Specified	2.7	0.1	<0.1
201G	Garden	1.9	<0.1	<0.1
201-O1	Other -Not Specified	**48.9**	**13.3**	1.7
202-H1	House	**22.1**	3.2	0.2
202-N1	Animal Activity Area	**5.3**	0.3	<0.1
202-O1	Other -Not Specified	**15.9**	1.8	0.1
203-H1	House	2.3	0.1	<0.1
203-O1	Other -Not Specified	2.3	0.1	<0.1
203-O2	Other -Not Specified	**69.6**	**28.3**	**5.8**
203-O3	Other -Not Specified	2.3	0.1	<0.1
203-O4	Other -Not Specified	2.3	0.1	<0.1
205-O1	Other -Not Specified	**72.4**	**31.1**	**6.8**
206-A1	Agriculture	**12.6**	1.3	<0.1
206-G1	Garden	4.6	0.3	<0.1
206-H1	House	2.1	<0.1	<0.1
206-H2	House	**42.2**	**10.0**	1.1
206-O1	Other -Not Specified	**36.5**	**7.6**	0.7
207-O1	Other -Not Specified	**11.8**	1.2	<0.1
208AA	Animal Activity Area	**22.1**	3.2	0.2
208BM	House	**12.1**	1.2	<0.1
208G	Garden	**9.2**	0.8	<0.1
208-H1	House	**38.6**	**8.4**	0.9
209A	Agriculture	**12.5**	1.3	<0.1
209-G1	Garden	**34.0**	**6.7**	0.6
209-H1	House	**59.0**	**19.5**	3.1
209-P1	Play Area	**73.4**	**32.2**	**7.2**
210-H1	House	**12.2**	1.2	<0.1
210-O1	Other -Not Specified	**14.4**	1.6	<0.1
211-A1	Garden	**6.7**	0.5	<0.1
211-G1	Garden	3.5	0.2	<0.1
211-G2	Garden	4.0	0.2	<0.1
211-H1	House	**6.6**	0.5	<0.1
211-O1	Other -Not Specified	**14.3**	1.6	<0.1
212-H1	House	**24.8**	3.9	0.3

Table 5-2. IEUBK Model Results for Children Exposed to Lead in Residential Soil without Fish Consumption

DU	DU Type	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
212-H2	House	**17.9**	2.2	0.1
213-O1	Other -Not Specified	3.3	0.2	<0.1
213-O2	Other -Not Specified	**8.2**	0.7	<0.1
213-O3	Other -Not Specified	**5.2**	0.3	<0.1
21G	Garden	**50.9**	**14.4**	2.0
226C	House	**59.4**	**19.8**	3.2
230G	Garden	**7.7**	0.6	<0.1
231Lower	Other -Not Specified	**16.0**	1.9	0.1
238G	Garden	4.3	0.2	<0.1
238M	Other -Not Specified	3.3	0.2	<0.1
280yard	House	**45.3**	**11.4**	1.4
284M	House	**18.5**	2.4	0.1
285M	Other -Not Specified	**19.3**	2.5	0.2
288G1	Garden	**7.7**	0.6	<0.1
288G2	Garden	**5.5**	0.4	<0.1
289G3	Garden	**7.3**	0.5	<0.1
317M	Play Area	**71.2**	**29.9**	**6.3**
319M	House	1.9	<0.1	<0.1
320new	Other -Not Specified	**76.7**	**36.0**	**8.7**
35PA	Play Area	1.9	<0.1	<0.1
59A	House	**50.6**	**14.2**	1.9
62G	Garden	**6.6**	0.5	<0.1
72M	Agriculture	**36.7**	**7.7**	0.8
72U	Other -Not Specified	**11.7**	1.1	<0.1
94M	Agriculture	**7.0**	0.5	<0.1
999G1	Garden	**8.4**	0.7	<0.1
999M1	House	**7.7**	0.6	<0.1
999M2	Garden	**5.1**	0.3	<0.1
999M3	Other -Not Specified	**8.2**	0.7	<0.1

Note: Shaded cells exceed risk benchmark

Table 5-3. Residential DUs Exceeding Lead Benchmarks for Child Residents not Including Fish Consumption[a], by DU Type

DU Type	Number of DUs > P3	Number of DUs > P5	Number of DUs >P8
Agriculture	33 of 44	2 of 44	None
Animal Activity Area	12 of 32	None	None
Garden	77 of 145	8 of 145	None
House	137 of 202	28 of 202	2 of 202
Other (Not Specified)	118 of 147	43 of 147	8 of 147
Play Area	12 of 18	6 of 18	2 of 18
Total	389 of 588	87 of 588	12 of 588

[a]The results including fish consumption by species are presented in Appendix 5.

Table 5-4. Mean Lead Concentrations in Fish Species

Fish Species	Fish EPC (µg Pb/kg ww)
Burbot	21.3
Kokanee	3.97
Northern Pike	3.55
Rainbow Trout	21.6
Smallmouth Bass	16.8
Sturgeon	5.04
Sucker	135
Walleye	26
Whitefish	8.92

ww = wet weight

Table 5-5. IEUBK Model Results for Children Exposed to Lead in Upland Soil without Fish Consumption

ADA	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-001	**53.5**	**15.9**	2.3
ADA-002	**5.5**	0.4	<0.1
ADA-004	**20.0**	2.7	0.2
ADA-005	**8.3**	0.7	<0.1
ADA-006	**43.9**	**10.8**	1.3
ADA-008	**52.5**	**15.3**	2.1
ADA-010	**74.2**	**33.1**	**7.5**
ADA-015	**22.5**	3.3	0.2
ADA-016	**37.6**	**8.0**	0.8
ADA-017	**43.1**	**10.4**	1.2
ADA-018	**74.2**	**33.1**	**7.5**
ADA-019	**12.3**	1.2	0.1
ADA-020	**10.9**	1.0	<0.1
ADA-021	**11.2**	1.1	<0.1
ADA-023	**22.7**	3.3	0.2
ADA-024	**72.7**	**31.4**	**6.9**
ADA-025	**34.8**	**7.0**	0.7
ADA-026	**8.2**	0.7	<0.1
ADA-028	**34.6**	**6.9**	0.7
ADA-033	**8.8**	0.7	<0.1
ADA-034	**7.3**	0.6	<0.1
ADA-035	**29.7**	**5.3**	0.4
ADA-039	3.8	0.2	<0.1
ADA-042	**9.6**	0.8	<0.1
ADA-043	**23.3**	3.5	0.2
ADA-044	**20.6**	2.8	0.2
ADA-045	**57.2**	**18.2**	2.8
ADA-046	**28.8**	5.0	0.4
ADA-047	**49.0**	**13.3**	1.7
ADA-048	**17.0**	2.1	0.1
ADA-049	4.9	0.3	<0.1
ADA-050	**63.8**	**23.2**	4.2
ADA-051	**13.6**	1.4	0.1
ADA-052	**61.8**	**21.6**	3.7
ADA-053	**10.7**	1.0	<0.1
ADA-054	**71.9**	**30.6**	**6.6**
ADA-055	**28.7**	5.0	0.4
ADA-056	**8.3**	0.7	<0.1
ADA-057	**15.1**	1.7	0.1
ADA-058	**9.4**	0.8	<0.1
ADA-059	**16.9**	2.0	0.1
ADA-060	**69.1**	**27.8**	**5.6**
ADA-061	**13.8**	1.5	0.1
ADA-062	**52.3**	**15.2**	2.1
ADA-063	**17.2**	2.1	0.1
ADA-064	**20.8**	2.9	0.2
ADA-065	**57.7**	**18.6**	2.9
ADA-066	**21.0**	2.9	0.2

Table 5-5. IEUBK Model Results for Children Exposed to Lead in Upland Soil without Fish Consumption

ADA	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-067	**11.2**	1.1	<0.1
ADA-070	**34.8**	**7.0**	0.7
ADA-071	**40.5**	**9.2**	1.0
ADA-073	**46.5**	**12.0**	1.5
ADA-076	**42.4**	**10.0**	1.1
ADA-078	**36.9**	**7.8**	0.8
ADA-079	**18.0**	2.3	0.1
ADA-081	**24.5**	3.8	0.3
ADA-082	**26.5**	4.3	0.3
ADA-084	**24.1**	3.7	0.3
ADA-085	**17.4**	2.1	0.1
ADA-088	**49.0**	**13.3**	1.7
ADA-089	**49.5**	**13.6**	1.8
ADA-090	**36.5**	**7.6**	0.8
ADA-091	**41.5**	**9.7**	1.1
ADA-092	**31.2**	**5.7**	0.5
ADA-093	**23.5**	3.5	0.2
ADA-094	**10.2**	0.9	<0.1
ADA-095	**20.4**	2.8	0.2
ADA-096	**55.0**	**16.8**	2.5
ADA-097	**74.8**	**33.8**	**7.8**
ADA-099	**37.3**	**7.9**	0.8
ADA-101	**31.4**	**5.8**	0.5
ADA-102	**14.2**	1.5	0.1
ADA-103	**22.1**	3.2	0.2
ADA-104	**7.6**	0.6	<0.1
ADA-105	**31.8**	**5.9**	0.5
ADA-106	**7.7**	0.6	<0.1
ADA-107	**17.6**	2.2	0.1
ADA-108	**31.8**	**5.9**	0.5
ADA-109	**57.2**	**18.2**	2.8
ADA-110	**38.8**	**8.5**	0.9
ADA-111	**13.1**	1.4	0.1
ADA-112	**10.6**	1.0	<0.1
ADA-113	**20.2**	2.7	0.2
ADA-114	**12.3**	1.2	0.1
ADA-115	**16.8**	2.0	0.1
ADA-116	**12.1**	1.2	0.1
ADA-117	**25.6**	4.1	0.3
ADA-118	**25.2**	4.0	0.3
ADA-119	**28.0**	4.7	0.4
ADA-121	**34.0**	**6.7**	0.6
ADA-122	**5.2**	0.3	<0.1
ADA-124	**22.6**	3.3	0.2
ADA-125	**18.2**	2.3	0.1
ADA-126	**63.6**	**23.0**	4.1
ADA-127	**29.3**	**5.1**	0.4
ADA-128	**54.8**	**16.7**	2.5

Table 5-5. IEUBK Model Results for Children Exposed to Lead in Upland Soil without Fish Consumption

ADA	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-131	**58.0**	**18.8**	3.0
ADA-132	**21.6**	3.1	0.2
ADA-133	**51.0**	**14.4**	2.0
ADA-135	**16.4**	2.0	0.1
ADA-136	**58.0**	**18.8**	3.0
ADA-139	**30.8**	**5.6**	0.5
ADA-140	**76.8**	**36.1**	**8.8**
ADA-141	**25.2**	4.0	0.3
ADA-142	**80.0**	**40.3**	**10.6**
ADA-143	**40.9**	**9.4**	1.0
ADA-144	**88.1**	**53.7**	**18.2**
ADA-145	**56.3**	**17.6**	2.7
ADA-146	**59.0**	**19.5**	3.1
ADA-147	**88.9**	**55.3**	**19.3**
ADA-148	**56.0**	**17.5**	2.6
ADA-150	**81.9**	**43.0**	**12.0**
ADA-151	**64.8**	**24.0**	4.4
ADA-152	**44.8**	**11.2**	1.3
ADA-153	**66.1**	**25.1**	4.7
ADA-154	**59.7**	**20.0**	3.3
ADA-155	**48.0**	**12.8**	1.6
ADA-156	**56.7**	**17.9**	2.7
ADA-158	**58.5**	**19.1**	3.1
ADA-159	**73.3**	**32.1**	**7.1**
ADA-160	**52.6**	**15.4**	2.2
ADA-161	**58.0**	**18.8**	3.0
ADA-162	**92.9**	**64.8**	**26.7**
ADA-164	**71.3**	**30.0**	**6.4**
ADA-165	**77.4**	**36.9**	**9.1**
ADA-168	**47.1**	**12.3**	1.5
ADA-169	**6.3**	0.4	<0.1
ADA-170	**11.5**	1.1	0.1
ADA-171	**9.6**	0.8	<0.1
ADA-172	**6.4**	0.5	<0.1
ADA-173	**8.9**	0.7	<0.1
ADA-174	**7.3**	0.6	<0.1
ADA-175	**8.0**	0.6	<0.1
ADA-176	**7.5**	0.6	<0.1
ADA-177	**6.7**	0.5	<0.1
ADA-178	**5.0**	0.3	<0.1
ADA-179	**6.2**	0.4	<0.1
ADA-180	**14.5**	1.6	0.1
ADA-181	**10.4**	0.9	<0.1
ADA-182	3.7	0.2	<0.1
ADA-183	**5.3**	0.3	<0.1
ADA-184	**8.2**	0.7	<0.1

Note: Shaded cells exceed risk benchmark

Table 5-6. Residential DUs used for Residential Beach Time-Weighting

Beach DU	Yr Sampled	Adjusted Beach Lead Conc (ppm)	Paired Residential Soil DU ID	Residential Soil Lead Conc for TWA (ppm)	TWA Lead Result Soil/Sediment (ppm)
202	2014	194.0	Average of house DUs: DU 201, DU 180-H1, DU 180-H2.	296.4	281.7
800B	2014	191.1	DU 801 - Not a house DU, but is on the same property. No other DUs nearby; 2 closest house DUs > 1/2 mile away.	239.9	233.0
204	2014	118.6	House DU 203 on the property.	12.8	27.9
251B	2014	246.4	House DU 253 on the property.	110.0	129.5
255	2014	265.9	No other DUs on property, so average house DU concentration for the study area was used.	129.0	148.6
195	2014	171.0	Average of house DUs: DU 1021, DU 193, DU 194.	55.3	71.8
131-B1	2014	178.8	House DU 131-H1 on the property.	135.5	141.6
197	2014	317.3	Average of house DUs: DU 196, DU 109-H1, DU 203-H1.	17.7	60.5
124-B1	2014	182.4	House DU124-H1 on the property.	35.1	56.1
224	2014	255.6	No other DUs on property, so average house DU concentration for the study area was used.	129.0	147.1
324	2014	129.9	Avergae of DU 326 and DU 327. These DUs are not house DUs but are located on the same property; no house DUs within 1/2 mile.	60.8	70.6
171-B1	2014	80.5	House DU 171-H1 on the property.	233.5	211.6
226	2014	170.5	Average of house DUs: DU 226-C and DU 40	204.0	199.2
226A	2014	285.4	House DU 226C on the property.	395.3	379.6
303	2014	178.0	House DU 288; on adjacent tax parcel and same owner.	68.2	83.9
075-B1	2016	98.7	House DU 075-H1 on the property.	81.8	84.2
157-B1	2016	158.1	Average of house DU 157-H1 and DU 157-H2 on the property.	77.8	89.3
157-B2	2016	166.8	Average of house DU 157-H1 and DU 157-H2 on the property.	77.8	90.5
411[a]	2014	322.4	Average of DU 410, DU 413, and DU 412[b]	316.6	317.5
098-B1	2016	75.0	DU 098-H1 - Closest house DU on the property (other house DU >3 miles away).	34.4	40.2
173	2014	270.8	DU 172U - Not a house DU, but on the same property. No other house DUs nearby.	294.0	290.7
1000	2014	241.9	House DU70 on the property.	202.6	208.2

[a]This beach DU is a Tribal Allotment and was evaluated in Appendix 1 only.

[b]DU 412 is identified as DU195-A and DU195-B in TCRA table "2015 TCRA - Backfill completion details by Decision Unit" (table source: email from TAI to EPA Region 10 on 6/20/2019).

Table 5-7. IEUBK Results for Exposure of Children to Lead at Residential Beaches, without Fish Consumption

Residential Beach DU	TWA Soil Concentration (µg/g)	Probability of exceeding PbB of 3 µg/dL (%)	Probability of exceeding PbB of 5 µg/dL (%)	Probability of exceeding PbB of 8 µg/dL (%)
202	267.1	**39.8**	**8.9**	0.9
800B	226	**32.3**	**6.1**	0.5
204	43	4.2	0.2	<0.1
251B	149	**18.5**	2.4	0.1
255	168.1	**21.8**	3.1	0.2
195	88.3	**9.2**	0.8	<0.1
131-B1	147.8	**18.3**	2.3	0.1
197	103.3	**11.3**	1.1	<0.1
124-B1	77.2	**7.8**	0.6	<0.1
224	165.2	**21.3**	3.0	0.2
324	80.5	**8.2**	0.7	<0.1
171-B1	189.8	**25.7**	4.1	0.3
226	194.5	**26.6**	4.3	0.3
226A	363.9	**55.5**	**17.2**	2.6
303	99.6	**10.7**	1.0	<0.1
075-B1	86.6	**9.0**	0.8	<0.1
157-B1	100.8	**10.9**	1.0	<0.1
157-B2	103.2	**11.3**	1.1	<0.1
098-B1	46	4.5	0.3	<0.1
173	287.4	**43.3**	**10.5**	1.2
1000	213.8	**30.1**	**5.4**	0.5

Note: Bold shaded values indicate exceedance of the risk benchmark (that is, more than 5% probability of exceeding a given blood lead target).

Table 5-8. Lead Risk Calculations for Child Recreational Visitors at Public Beaches, without Fish Consumption

Public Beach or SDU	Beach Trips			Boat Trips			Camping		
	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)
Bossburg Flat-2015-SDU-01	**17.7**	2.2	0.1	**17.6**	2.2	0.1	**18.2**	2.3	0.1
Bossburg Flat-2015-SDU-02	**17.7**	2.2	0.1	**17.6**	2.2	0.1	**18.2**	2.3	0.1
Bossburg Flat-2015-SDU-03	**14.6**	1.6	0.1	**14.5**	1.6	0.1	**15.1**	1.7	0.1
Bossburg Flat-2015-SDU-04	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Bossburg Flat-2015-SDU-08	**17.5**	2.2	0.1	**17.4**	2.1	0.1	**18.0**	2.3	0.1
Bossburg Flat-2015-SDU-09	**14.4**	1.6	0.1	**14.3**	1.6	0.1	**14.9**	1.7	0.1
Bossburg Flat-2015-SDU-10	**14.5**	1.6	0.1	**14.5**	1.6	0.1	**15.1**	1.7	0.1
Evans Campground-2015-SDU-05	**16.4**	1.9	0.1	**16.3**	1.9	0.1	**16.9**	2.1	0.1
Evans Campground-2015-SDU-06	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Evans Campground-2015-SDU-07	**16.6**	2.0	0.1	**16.5**	2.0	0.1	**17.1**	2.1	0.1
AA Campground	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Barnaby Island Campground	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Black Sand Beach	**16.9**	2.0	0.1	**16.8**	2.0	0.1	**17.5**	2.2	0.1
Bossburg Flat-2011	**34.6**	**6.9**	0.7	**34.5**	**6.9**	0.6	**35.1**	**7.1**	0.7
Bradbury	**14.5**	1.6	0.1	**14.4**	1.6	0.1	**15.0**	1.7	0.1
China Bend	**17.3**	2.1	0.1	**17.2**	2.1	0.1	**17.8**	2.2	0.1
Colville Flats	**16.0**	1.9	0.1	**15.9**	1.8	0.1	**16.5**	2.0	0.1
Colville River	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Crescent Bay	**13.6**	1.4	0.1	**13.5**	1.4	0.1	**14.1**	1.5	0.1
Dallas Orchard	**18.2**	2.3	0.1	**18.1**	2.3	0.1	**18.8**	2.4	0.1
Enterprise	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Evans Campground-2011	**16.9**	2.0	0.1	**16.8**	2.0	0.1	**17.5**	2.2	0.1
Flat Creek	**16.2**	1.9	0.1	**16.1**	1.9	0.1	**16.8**	2.0	0.1
Hawk Creek	**13.6**	1.5	0.1	**13.6**	1.4	0.1	**14.1**	1.5	0.1
Hunters	**13.7**	1.5	0.1	**13.6**	1.5	0.1	**14.2**	1.6	0.1
Jones Bay	**13.6**	1.4	0.1	**13.5**	1.4	0.1	**14.1**	1.5	0.1
Kamloops Island	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Kettle Falls	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Lyons Island	**14.7**	1.6	0.1	**14.7**	1.6	0.1	**15.3**	1.7	0.1
McGuires	**13.6**	1.5	0.1	**13.6**	1.4	0.1	**14.1**	1.5	0.1
Mitchell Point	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Naborlee	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Nez Perce	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Northport Beach	**17.6**	2.2	0.1	**17.5**	2.2	0.1	**18.1**	2.3	0.1
R.V. Park	**16.9**	2.0	0.1	**16.8**	2.0	0.1	**17.4**	2.1	0.1
Seven Bays	**13.6**	1.4	0.1	**13.5**	1.4	0.1	**14.1**	1.5	0.1
Spring Canyon	**13.6**	1.5	0.1	**13.5**	1.4	0.1	**14.1**	1.5	0.1
Summer Island	**17.8**	2.2	0.1	**17.7**	2.2	0.1	**18.3**	2.3	0.1
Swawilla Basin	**13.6**	1.5	0.1	**13.6**	1.4	0.1	**14.1**	1.5	0.1
Swimming Hole	**15.6**	1.8	0.1	**15.5**	1.8	0.1	**16.1**	1.9	0.1
Welty Bay	**14.5**	1.6	0.1	**14.4**	1.6	0.1	**15.0**	1.7	0.1
Whitestone Campground	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Wilmont Creek	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1

Table 5-9. Lead Risk Calculations for Child Recreational Visitors at Bossburg Flat Beach UDUs, without Fish Consumption

UDU	Beach Trips			Boat Trips			Camping		
	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)
UDU-01-ICS	**19.1**	2.5	0.2	**19.0**	2.5	0.2	**19.7**	2.6	0.2
UDU-02-ICS	**21.5**	3.0	0.2	**21.4**	3.0	0.2	**22.0**	3.2	0.2
UDU-03-ICS	**18.2**	2.3	0.1	**18.1**	2.3	0.1	**18.7**	2.4	0.1
UDU-04-ICS	**70.6**	**29.3**	**6.1**	**70.5**	**29.2**	**6.1**	**70.9**	**29.6**	**6.2**
UDU-05-ICS	**14.7**	1.6	0.1	**14.6**	1.6	0.1	**15.2**	1.7	0.1
UDU-06-ICS	**14.1**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1

Table 5-10. Lead Risk Calculations for Child Recreational Visitors at Relict Floodplains on the UCR, without Fish Consumption

RFDA	Beach Trips			Boat Trips			Camping		
	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)
RFA-001	**18.8**	2.4	0.1	**18.7**	2.4	0.1	**19.3**	2.5	0.2
RFA-002	**16.6**	2.0	0.1	**16.5**	2.0	0.1	**17.1**	2.1	0.1
RFA-003	**18.4**	2.4	0.1	**18.3**	2.3	0.1	**19.0**	2.5	0.2
RFA-004	**17.1**	2.1	0.1	**17.1**	2.1	0.1	**17.7**	2.2	0.1
RFA-005	**17.4**	2.1	0.1	**17.3**	2.1	0.1	**17.9**	2.3	0.1
RFB-002	**15.5**	1.8	0.1	**15.4**	1.8	0.1	**16.0**	1.9	0.1
RFB-003	**14.8**	1.7	0.1	**14.8**	1.6	0.1	**15.4**	1.8	0.1
RFB-008	**14.3**	1.6	0.1	**14.2**	1.5	0.1	**14.8**	1.7	0.1
RFC-003	**18.5**	2.4	0.1	**18.4**	2.4	0.1	**19.1**	2.5	0.2
RFC-004	**16.0**	1.9	0.1	**15.9**	1.9	0.1	**16.5**	2.0	0.1
RFC-005	**19.5**	2.6	0.2	**19.4**	2.6	0.2	**20.1**	2.7	0.2
RFC-006	**17.8**	2.2	0.1	**17.8**	2.2	0.1	**18.4**	2.3	0.1
RFC-007	**18.1**	2.3	0.1	**18.0**	2.3	0.1	**18.7**	2.4	0.1
RFC-008	**17.8**	2.2	0.1	**17.7**	2.2	0.1	**18.3**	2.3	0.1
RFD-002	**17.5**	2.2	0.1	**17.4**	2.1	0.1	**18.0**	2.3	0.1
RFD-003	**17.4**	2.1	0.1	**17.3**	2.1	0.1	**17.9**	2.3	0.1

Table 5-11. Risk Predictions for Average RBA-Adjusted Sediment and Beach Soil Lead Concentration from 0-45 cm Horizon at Bossburg Flats and Evans Campground Beaches and UDUs using P3, P5, and P8 Risk Benchmarks

Deep Sediment/Soil Exposure Area	Average RBA-adjusted Pb concentration for 0-45 cm depth (ppm)	Outdoor Worker*		
		P3 (%)	P5 (%)	P8 (%)
Bossburg Flat-F-01	680.2	**10.2**	1.6	0.2
Bossburg Flat-SDU-01	336.3	2.8	0.3	<0.1
Bossburg Flat-SDU-02	302.3	2.3	0.2	<0.1
Bossburg Flat-SDU-03	54.2	0.3	<0.1	<0.1
Bossburg Flat-SDU-04	40.7	0.3	<0.1	<0.1
Bossburg Flat-SDU-08	323.0	2.6	0.2	<0.1
Evans Campground-SDU-05	329.2	2.7	0.3	<0.1
Evans Campground-SDU-06	14.3	0.2	<0.1	<0.1
Evans Campground-SDU-07	404.0	3.9	0.4	<0.1
Bossburg Flat-UDU-01	563	**7.2**	1.0	0.1
Bossburg Flat-UDU-02	124	0.7	<0.1	<0.1
Bossburg Flat-UDU-03	266	1.9	0.2	<0.1
Bossburg Flat-UDU-04	509	**5.9**	0.8	0.1
Bossburg Flat-UDU-05	70.1	0.4	<0.1	<0.1
Bossburg Flat-UDU-06	33.3	0.3	<0.1	<0.1

* 50 mg soil ingestion per day.

Table 5-12. Slope Factor Tiers for Assessing Oral Exposures to PCBs

Tier	oSF	Criteria for Use:
High risk and persistence	Upper bound: $2.0\ (mg/kg/d)^{-1}$ CTE: $1.0\ (mg/kg/d)^{-1}$	• Food chain exposure • Sediment or soil ingestion • Dust or aerosol inhalation • Dermal exposure, if an absorption fraction has been applied • Presence of dioxin-like, tumor-promoting, or persistent congeners • Early-life exposure (all pathways and mixtures)
Low risk and persistence	Upper bound: $0.4\ (mg/kg/d)^{-1}$ CTE: $0.3\ (mg/kg/d)^{-1}$	• Ingestion of water-soluble congeners • Inhalation of evaporated congeners • Dermal exposure, if no absorption fraction has been applied
Lowest risk and persistence	Upper bound: $0.07\ (mg/kg/d)^{-1}$ CTE: $0.04\ (mg/kg/d)^{-1}$	• Congener or isomer analyses verify that congeners with more than 4 chlorines comprise less than 0.5% of total PCBs

Table 5-13. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Residential Soil/Dust[b] for Non-Lead COPCS for the RME: Current Resident

Pathway	Analyte Name	Soil/Dust[b] EPC (mg/kg)	Toxicity Values				Notes	Primary Target Organ System(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				TWA
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Incidental Ingestion	Aluminum	3000 - 31300	1	P	--	--		Nervous			3 8E-02 - 4 0E-01	0 04 - 0 4	3 6E-03 - 3 8E-02	0 004 - 0 04	3 3E-03 - 3 4E-02		1 0E-03 - 1 1E-02		
	Antimony	0 154 - 12 5	0 0004	I	--	--		Hematologic			2 0E-06 - 1 6E-04	0 005 - 0 4	1 8E-07 - 1 5E-05	0 0005 - 0 04	1 7E-07 - 1 4E-05		5 3E-08 - 4 3E-06		
	RBA adjusted Arsenic	0 461 - 11 9	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			5 9E-06 - 1 5E-04	0 02 - 0 5	5 5E-07 - 1 4E-05	0 002 - 0 05	5 1E-07 - 1 3E-05	8E-07 - 2E-05	1 6E-07 - 4 1E-06	2E-07 - 6E-06	1E-06 - 3E-05
	Cadmium	0 234 - 40 5	0 001	I	--	--		Urinary			3 0E-06 - 5 2E-04	0 003 - 0 5	2 8E-07 - 4 9E-05	0 0003 - 0 05	2 6E-07 - 4 4E-05		8 0E-08 - 1 4E-05		
	Chromium	7 93 - 176	0 003	I	--	--	(a)	None			1 0E-04 - 2 3E-03	0 03 - 0 8	9 5E-06 - 2 1E-04	0 003 - 0 07	8 7E-06 - 1 9E-04		2 7E-06 - 6 0E-05		
	Cobalt	2 34 - 22 4	0 0003	P	--	--		Endocrine			3 0E-05 - 2 9E-04	0 1 - 1	2 8E-06 - 2 7E-05	0 009 - 0 09	2 6E-06 - 2 5E-05		8 0E-07 - 7 7E-06		
	Iron	7530 - 36800	0 7	P	--	--		Gastrointestinal			9 6E-02 - 4 7E-01	0 1 - 0 7	9 0E-03 - 4 4E-02	0 01 - 0 06	8 3E-03 - 4 0E-02		2 6E-03 - 1 3E-02		
	Manganese	161 - 1170	0 024	S	--	--		Nervous			2 1E-03 - 1 5E-02	0 09 - 0 6	1 9E-04 - 1 4E-03	0 008 - 0 06	1 8E-04 - 1 3E-03		5 5E-05 - 4 0E-04		
	Nickel	6 2 - 151	0 011	C	--	--		Developmental			7 9E-05 - 1 9E-03	0 007 - 0 2	7 4E-06 - 1 8E-04	0 0007 - 0 02	6 8E-06 - 1 7E-04		2 1E-06 - 5 2E-05		
	Thallium	0 0848 - 1 34	0 00001	X	--	--		Skin, Hair & Nails			1 1E-06 - 1 7E-05	0 1 - 2	1 0E-07 - 1 6E-06	0 01 - 0 2	9 3E-08 - 1 5E-06		2 9E-08 - 4 6E-07		
	Vanadium	9 67 - 83 2	0 00504	S	--	--		Skin, Hair & Nails			1 2E-04 - 1 1E-03	0 02 - 0 2	1 2E-05 - 1 0E-04	0 002 - 0 02	1 1E-05 - 9 1E-05		3 3E-06 - 2 8E-05		
								Ingestion Total				**0.8 - 5**		**0.08 - 0.5**		**8E-07 - 2E-05**		**2E-07 - 6E-06**	**1E-06 - 3E-05**
Dermal	Aluminum	3590 - 37400	1	P	--	--		Nervous	--	1									
	Antimony	0 185 - 15	0 0004	I	--	--		Hematologic	--	0 15									
	Arsenic	3 3 - 52 8	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 03	1	3 0E-06 - 4 8E-05	0 01 - 0 2	5 0E-07 - 8 0E-06	0 002 - 0 03	2 6E-07 - 4 1E-06	4E-07 - 6E-06	1 4E-07 - 2 3E-06	2E-07 - 3E-06	6E-07 - 1E-05
	Cadmium	0 28 - 48 5	0 001	I	--	--		Urinary	0 001	0 025	8 5E-09 - 1 5E-06	0 0003 - 0 06	1 4E-09 - 2 5E-07	0 00006 - 0 0	7 3E-10 - 1 3E-07		4 0E-10 - 7 0E-08		
	Chromium	9 5 - 211	0 003	I	--	--	(a)	None	--	0 025									
	Cobalt	2 81 - 26 8	0 0003	P	--	--		Endocrine	--	1									
	Iron	9020 - 44000	0 7	P	--	--		Gastrointestinal	--	1									
	Manganese	193 - 1400	0 024	S	--	--		Nervous	--	0 04									
	Nickel	0 102 - 1 61	0 011	C	--	--		Developmental	--	0 04									
	Thallium	11 6 - 99 6	0 00001	X	--	--		Skin, Hair & Nails	--	1									
	Vanadium	7 42 - 181	0 00504	S	--	--		Skin, Hair & Nails	--	0 026									
										Dermal Total		**0.01 - 0.2**		**0.002 - 0.04**		**4E-07 - 6E-06**		**2E-07 - 3E-06**	**6E-07 - 1E-05**
										Ingestion and Dermal Total		**0.8 - 5**		**0.08 - 0.5**		**2E-06 - 4E-05**		**5E-07 - 1E-05**	**2E-06 - 4E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI).

(b) Dust only evaluated in the Ingestion pathway

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0 03 - 0 7	0 004 - 0 07
Developmental HI	0 007 - 0 2	0 0007 - 0 02
Endocrine HI	0 1 - 1	0 009 - 0 09
Gastrointestinal HI	0 1 - 0 7	0 01 - 0 06
Hematologic HI	0 005 - 0 4	0 0005 - 0 04
Nervous HI	0 2 - 1	0 01 - 0 09
Skin, Hair & Nails HI	0 2 - 2	0 02 - 0 2
Urinary HI	0 003 - 0 6	0 0003 - 0 06

Table 5-14. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Residential Soil/Dust[b] for Non-Lead COPCS for the CTE: Current Resident

Pathway	Analyte Name	Soil/Dust[b] EPC (mg/kg)	Toxicity Values				Notes	Primary Target Organ System(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				TWA
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Incidental Ingestion	Aluminum	3000 - 31300	1	P	--	--		Nervous			1 1E-02 - 1 2E-01	0 01 - 0 1	1 3E-03 - 1 4E-02	0 001 - 0 01	3 2E-04 - 3 3E-03		1 5E-04 - 1 6E-03		
	Antimony	0 154 - 12 5	0 0004	I	--	--		Hematologic			5 8E-07 - 4 7E-05	0 001- 0 1	6 8E-08 - 5 5E-06	0 0002 - 0 01	1 6E-08 - 1 3E-06		7 7E-09 - 6 3E-07		
	RBA adjusted Arsenic	0 461 - 11 9	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			1 7E-06 - 4 5E-05	0 006 - 0 1	2 0E-07 - 5 2E-06	0 0007 - 0 02	4 9E-08 - 1 3E-06	7E-08 - 2E-06	2 3E-08 - 6 0E-07	3E-08 - 9E-07	1E-07 - 3E-06
	Cadmium	0 234 - 40 5	0 001	I	--	--		Urinary			8 8E-07 - 1 5E-04	0 0009 - 0 2	1 0E-07 - 1 8E-05	0 0001 - 0 02	2 5E-08 - 4 3E-06		1 2E-08 - 2 0E-06		
	Chromium	7 93 - 176	0 003	I	--	--	(a)	None			3 0E-05 - 6 6E-04	0 01 - 0 2	3 5E-06 - 7 7E-05	0 001 - 0 03	8 5E-07 - 1 9E-05		4 0E-07 - 8 8E-06		
	Cobalt	2 34 - 22 4	0 0003	P	--	--		Endocrine			8 8E-06 - 8 4E-05	0 03 - 0 3	1 0E-06 - 9 8E-06	0 003 - 0 03	2 5E-07 - 2 4E-06		1 2E-07 - 1 1E-06		
	Iron	7530 - 36800	0 7	P	--	--		Gastrointestinal			2 8E-02 - 1 4E-01	0 04 - 0 2	3 3E-03 - 1 6E-02	0 005 - 0 02	8 0E-04 - 3 9E-03		3 8E-04 - 1 8E-03		
	Manganese	161 - 1170	0 024	S	--	--		Nervous			6 0E-04 - 4 4E-03	0 03 - 0 2	7 1E-05 - 5 1E-04	0 003 - 0 02	1 7E-05 - 1 3E-04		8 1E-06 - 5 9E-05		
	Nickel	6 2 - 151	0 011	C	--	--		Developmental			2 3E-05 - 5 6E-04	0 002 - 0 05	2 7E-06 - 6 6E-05	0 0002 - 0 006	6 6E-07 - 1 6E-05		3 1E-07 - 7 6E-06		
	Thallium	0 0848 - 1 34	0 00001	X	--	--		Skin, Hair & Nails			3 2E-07 - 5 0E-06	0 03 - 0 5	3 7E-08 - 5 9E-07	0 004 - 0 06	9 1E-09 - 1 4E-07		4 2E-09 - 6 7E-08		
	Vanadium	9 67 - 83 2	0 00504	S	--	--		Skin, Hair & Nails			3 6E-05 - 3 1E-04	0 007 - 0 06	4 2E-06 - 3 6E-05	0 0008 - 0 007	1 0E-06 - 8 9E-06		4 8E-07 - 4 2E-06		
	Ingestion Total											**0.2 - 1**		**0.03 - 0.2**		**7E-08 - 2E-06**		**3E-08 - 9E-07**	**1E-07 - 3E-06**
Dermal	Aluminum	3590 - 37400	1	P	--	--		Nervous	--	1									
	Antimony	0 185 - 15	0 0004	I	--	--		Hematologic	--	0 15									
	Arsenic	3 3 - 52 8	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 03	1	4 4E-07 - 7 0E-06	0 001- 0 02	5 2E-08 - 8 4E-07	0 0002 - 0 003	1 3E-08 - 2 0E-07	2E-08 - 3E-07	6 0E-09 - 9 6E-08	9E-09 - 1E-07	3E-08 - 4E-07
	Cadmium	0 28 - 48 5	0 001	I	--	--		Urinary	0 001	0 025	1 2E-09 - 2 2E-07	0 00005 - 0 009	1 5E-10 - 2 6E-08	0 000006 - 0 001	3 6E-11 - 6 2E-09		1 7E-11 - 2 9E-09		
	Chromium	9 5 - 211	0 003	I	--	--	(a)	None	--	0 025									
	Cobalt	2 81 - 26 8	0 0003	P	--	--		Endocrine	--	1									
	Iron	9020 - 44000	0 7	P	--	--		Gastrointestinal	--	1									
	Manganese	193 - 1400	0 024	S	--	--		Nervous	--	0 04									
	Nickel	0 102 - 1 61	0 011	C	--	--		Developmental	--	0 04									
	Thallium	11 6 - 99 6	0 00001	X	--	--		Skin, Hair & Nails	--	1									
	Vanadium	7 42 - 181	0 00504	S	--	--		Skin, Hair & Nails	--	0 026									
	Dermal Total											**0.002 - 0.3**		**0.0002 - 0.004**		**2E-08 - 3E-07**		**9E-09 - 1E-07**	**3E-08 - 4E-07**
	Ingestion and Dermal Total											**0.2 - 1**		**0.03 - 0.2**		**9E-08 - 2E-06**		**4E-08 - 1E-06**	**1E-07 - 3E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI).

(b) Dust only evaluated in the Ingestion pathway

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0 007 - 0 2	0 0009 - 0 02
Developmental HI	0 002 - 0 05	0 0002 - 0 006
Endocrine HI	0 03 - 0 3	0 003 - 0 03
Gastrointestinal HI	0 04 - 0 2	0 005 - 0 02
Hematologic HI	0 001 - 0 1	0 0002 - 0 01
Nervous HI	0 05 - 0 3	0 005 - 0 03
Skin, Hair & Nails HI	0 06 - 0 7	0 006 - 0 08
Urinary HI	0 0009 - 0 2	0 0001 - 0 02

Table 5-15. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
Indoor Air		--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																		
Outdoor Air		--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02		**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Burbot)		0.02	2	0.02	0.003	0.1	2	1	0.8	--	0.009	0.9	0.009	0.001	0.05	0.9	0.4	0.3	--																		
Residential Soil/Dust[a]		**Number of DUs that exeed benchmark[c] for Soil/Dust:**									**Number of DUs that exeed benchmark[c] for Soil/Dust:**																												
DU	DU Type	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	588	0	0	0	588	0	43	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
9	Agriculture	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
13	Other -Not Specified	0.2	0.02	0.3	0.3	0.03	0.6	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
14	Garden	0.2	0.02	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
15	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.02	0.002	0.03	0.02	0.004	0.04	--	0.05	0.003	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
16	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.05	--	0.09	0.01	0.3	2	0.4	0.3	0.2	3	1	2	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
17	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.005	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
18[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
20[b]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
21	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.02	0.02	0.002	0.03	0.02	0.004	0.04	--	0.04	0.002	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
22	House	0.3	0.02	0.3	0.3	0.05	0.4	--	0.6	0.04	0.03	0.001	0.02	0.02	0.004	0.04	--	0.06	0.004	0.3	2	0.3	0.3	0.2	3	1	1	0.2	0.04	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
25	House	0.1	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
27	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
28	Garden	0.07	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.09	2	0.3	0.3	0.1	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
29	Other -Not Specified	0.09	0.02	0.3	0.3	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
30	Other -Not Specified	0.2	0.02	0.4	0.3	0.02	0.5	--	0.4	0.01	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.001	0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
31	Other -Not Specified	0.2	0.02	0.4	0.3	0.07	0.8	--	0.7	0.07	0.02	0.002	0.03	0.03	0.007	0.07	--	0.07	0.007	0.2	2	0.4	0.4	0.2	3	1	1	0.3	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
33	House	0.2	0.02	0.2	0.2	0.1	0.5	--	0.6	0.05	0.02	0.002	0.02	0.02	0.009	0.04	--	0.06	0.005	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.02	0.06	1	0.4	0.3	0.2
35[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
39[b]	Agriculture	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
40[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
42	House	0.09	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.04	0.004	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
44	Agriculture	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
46	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005	0.2	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
47	Agriculture	0.1	0.01	0.2	0.3	0.07	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.007	0.04	--	0.05	0.005	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
49[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
55	House	0.09	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
56	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.006	0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
58	Agriculture	0.09	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
59	House	0.2	0.01	0.1	0.2	0.09	0.3	--	0.5	0.07	0.02	0.0009	0.01	0.02	0.009	0.03	--	0.05	0.007	0.2	2	0.2	0.2	0.2	3	1	1	0.3	0.03	0.9	0.02	0.02	0.06	1	0.4	0.3	0.2
60	Garden	0.1	0.02	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
61	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.004	0.2	2	0.2	0.2	0.2	3	1	1	0.2	0.03	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
62	House	0.1	0.02	0.3	0.3	0.03	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.004	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
66	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.5	--	0.6	0.04	0.02	0.001	0.02	0.03	0.007	0.04	--	0.06	0.004	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
67	Garden	0.2	0.02	0.3	0.3	0.09	0.5	--	0.6	0.05	0.03	0.002	0.02	0.03	0.008	0.05	--	0.06	0.005	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
70	House	0.2	0.03	0.3	0.3	0.08	0.4	--	0.6	0.06	0.02	0.003	0.03	0.03	0.008	0.04	--	0.06	0.006	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
71	Garden	0.2	0.03	0.3	0.3	0.06	0.4	--	0.5	0.04	0.03	0.003	0.03	0.03	0.005	0.04	--	0.05	0.004	0.3	2	0.4	0.3	0.2	3	1	1	0.2	0.04	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
72	Garden	0.2	0.04	0.4	0.4	0.08	0.4	--	0.7	0.08	0.03	0.004	0.04	0.04	0.008	0.03	--	0.07	0.008	0.3	2	0.5	0.4	0.2	3	1	1	0.3	0.04	0.9	0.05	0.04	0.06	1	0.4	0.3	0.2
75	House	0.3	0.02	0.3	0.3	0.2	0.7	--	0.9	0.1	0.03	0.001	0.03	0.03	0.02	0.06	--	0.09	0.01	0.3	2	0.3	0.3	0.3	3	1	2	0.3	0.04	0.9	0.04	0.03	0.07	1	0.4	0.4	0.2
82	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
85	House	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.09	2	0.3	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
86	Agriculture	0.1	0.02	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.003	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
87	Agriculture	0.09	0.02	0.2	0.2	0.03	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003	0.1	2	0.3	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
106	House	0.4	0.02	0.2	0.3	0.1	0.6	--	0.8	0.07	0.04	0.001	0.02	0.02	0.01	0.05	--	0.08	0.007	0.4	2	0.2	0.3	0.3	3	1	2	0.3	0.05	0.9	0.03	0.02	0.06	1	0.4	0.4	0.2
107	Garden	0.3	0.02	0.3	0.3	0.09	0.6	--	0.6	0.05	0.03	0.002	0.03	0.03	0.008	0.06	--	0.06	0.005	0.3	2	0.3	0.3	0.2	3	1	1	0.2	0.04	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
108	Garden	0.3	0.03	0.3	0.3	0.07	0.5	--	0.6	0.05	0.04	0.003	0.02	0.03	0.007	0.04	--	0.06	0.005	0.4	2	0.3	0.3	0.2	3	1	1	0.2	0.05	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
109[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
110	House	0.1	0.01	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
111	Other -Not Specified	0.1	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
112	House	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.06	0.002	0.03	0.02	0.01	0.05	--	0.1	0.01	0.6	2	0.3	0.3	0.3	3	1	2	0.3	0.07	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
121	House	0.2	0.03	0.5	0.4	0.04	0.8	--	0.7	0.06	0.02	0.003	0.05	0.04	0.004	0.08	--	0.07	0.006	0.2	2	0.6	0.4	0.2	4	1	1	0.3	0.03	0.9	0.06	0.04	0.05	1	0.4	0.3	0.2
122	Other -Not Specified	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.03	0.003	0.04	0.04	0.003	0.06	--	0.06	0.003	0.3	2	0.5	0.4	0.2	3	1	1	0.2	0.04	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
123	House	0.3	0.02	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	0.002	0.03	0.02	0.01	0.05	--	0.08	0.01	0.3	2	0.3	0.3	0.2	3	1	2	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
135	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.004	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
146	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.002	0.05	--	0.05	0.003	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
147	Garden	0.09	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.001	0.03	--	0.03	0.001	0.1	2	0.2	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
151[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
152	Other -Not Specified	0.2	0.02	0.4	0.3	0.05	0.4	--	0.6	0.07	0.02	0.002	0.03	0.03	0.004	0.04	--	0.06	0.007	0.2	2	0.4	0.3	0.2	3	1	1	0.3	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
154	House	0.06	0.01	0.1	0.2	0.02	0.2	--	0.2	0.02	0.007	0.001	0.01	0.02	0.002	0.02	--	0.02	0.002	0.09	2	0.2	0.2	0.1	3	1	1	0.2	0.02	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
160	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.05	0.02	0.002	0.03	0.02	0.004	0.05	--	0.05	0.005	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
163	House	0.2	0.02	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.04	--	0.05	0.004	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2

Table 5-15. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																			Total HI Across Pathways										
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System										
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																		
164	Agriculture	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
167	Agriculture	0.1	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	2	0.2	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
168	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.009	0.3	2	0.4	0.3	0.2	3	1	1	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
169	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.6	--	0.7	0.07	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.007	0.3	2	0.3	0.3	0.2	3	1	1	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
170[b]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.07	2	0.2	0.3	0.1	3	1	0.9	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
175	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.02	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004	0.2	2	0.2	0.2	0.2	3	1	1	0.2	0.03	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
177	Agriculture	0.3	0.01	0.2	0.2	0.05	0.3	--	0.6	0.05	0.03	0.001	0.02	0.02	0.004	0.03	--	0.06	0.005	0.3	2	0.2	0.2	0.2	3	1	1	0.2	0.04	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
185	House	0.3	0.02	0.4	0.3	0.06	0.4	--	0.7	0.05	0.03	0.002	0.04	0.03	0.006	0.04	--	0.07	0.005	0.3	2	0.4	0.3	0.2	3	1	1	0.2	0.04	0.9	0.05	0.03	0.06	1	0.4	0.4	0.2
186	House	0.2	0.02	0.3	0.2	0.06	0.3	--	0.6	0.06	0.02	0.002	0.02	0.02	0.005	0.03	--	0.06	0.006	0.2	2	0.3	0.2	0.2	3	1	1	0.3	0.03	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
189	House	0.2	0.02	0.3	0.3	0.05	0.5	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.05	--	0.06	0.004	0.3	2	0.3	0.3	0.2	3	1	1	0.2	0.04	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
192	House	0.2	0.03	0.4	0.3	0.06	0.4	--	0.7	0.06	0.02	0.003	0.04	0.03	0.006	0.04	--	0.07	0.006	0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.03	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
193	House	0.2	0.01	0.2	0.3	0.08	0.3	--	0.6	0.04	0.02	0.001	0.02	0.03	0.008	0.03	--	0.06	0.004	0.2	2	0.2	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
194[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
196[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
201	House	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
203[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
206	House	0.1	0.02	0.3	0.2	0.05	0.3	--	0.5	0.04	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.004	0.2	2	0.3	0.2	0.2	3	1	1	0.2	0.03	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
208	Other -Not Specified	0.2	0.02	0.4	0.3	0.1	0.4	--	0.6	0.05	0.02	0.002	0.03	0.03	0.01	0.04	--	0.06	0.005	0.2	2	0.4	0.3	0.3	3	1	1	0.2	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
213	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.4	--	0.8	0.09	0.04	0.002	0.02	0.02	0.01	0.04	--	0.08	0.009	0.4	2	0.3	0.3	0.3	3	1	2	0.3	0.05	0.9	0.03	0.02	0.06	1	0.4	0.4	0.2
216	House	0.3	0.01	0.2	0.3	0.1	0.4	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.04	--	0.07	0.007	0.3	2	0.3	0.3	0.2	3	1	1	0.3	0.04	0.9	0.03	0.02	0.06	1	0.4	0.4	0.2
218[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
229	Play Area	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	2	0.2	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
231	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.004	0.2	2	0.2	0.2	0.2	3	1	1	0.2	0.03	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
246	Play Area	0.05	0.02	0.2	0.2	0.01	0.2	--	0.2	0.01	0.006	0.002	0.02	0.02	0.001	0.02	--	0.02	0.001	0.08	2	0.2	0.2	0.1	3	1	1	0.2	0.01	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
249	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
250	House	0.2	0.01	0.2	0.2	0.05	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.005	0.03	--	0.04	0.003	0.2	2	0.2	0.2	0.2	3	1	1	0.2	0.03	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
253	House	0.1	0.01	0.2	0.2	0.03	0.2	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
280	Other -Not Specified	0.3	0.02	0.4	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.009	0.05	--	0.07	0.009	0.3	2	0.4	0.3	0.2	3	1	1	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
287	Agriculture	0.1	0.02	0.3	0.3	0.09	0.6	--	0.6	0.06	0.02	0.001	0.03	0.03	0.008	0.06	--	0.06	0.006	0.2	2	0.3	0.3	0.2	3	1	1	0.3	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
288	House	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002	0.1	2	0.3	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
291	Agriculture	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002	0.09	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
306	Other -Not Specified	0.1	0.01	0.2	0.2	0.02	0.2	--	0.4	0.02	0.01	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
315	House	0.1	0.02	0.3	0.3	0.01	0.3	--	0.4	0.01	0.01	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.1	2	0.3	0.3	0.1	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
316	Other -Not Specified	0.1	0.02	0.3	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
317	House	0.3	0.03	0.4	0.3	0.06	0.4	--	0.8	0.07	0.03	0.002	0.03	0.03	0.006	0.03	--	0.08	0.007	0.3	2	0.4	0.3	0.2	3	1	2	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
318	Other -Not Specified	0.4	0.02	0.3	0.3	0.1	0.4	--	1	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.1	0.01	0.4	2	0.4	0.3	0.2	3	1	2	0.3	0.05	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
319	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.5	--	1	0.2	0.04	0.002	0.03	0.03	0.01	0.05	--	0.1	0.02	0.4	2	0.4	0.3	0.3	3	1	2	0.4	0.05	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
325	Garden	0.1	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	2	0.3	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
326	Other -Not Specified	0.08	0.02	0.2	0.2	0.02	0.2	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
327	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	2	0.2	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
345	Play Area	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.003	0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
346	Garden	0.2	0.02	0.3	0.3	0.07	0.5	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
347	Other -Not Specified	0.2	0.01	0.3	0.2	0.09	0.4	--	0.7	0.09	0.02	0.001	0.02	0.02	0.009	0.04	--	0.07	0.009	0.2	2	0.3	0.2	0.2	3	1	1	0.3	0.03	0.9	0.03	0.02	0.06	1	0.4	0.3	0.2
801	Other -Not Specified	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.06	0.03	0.001	0.01	0.03	0.009	0.02	--	0.07	0.006	0.3	2	0.2	0.3	0.2	3	1	1	0.2	0.03	0.9	0.02	0.03	0.06	1	0.4	0.3	0.2
1001	Other -Not Specified	0.3	0.01	0.2	0.4	0.1	0.2	--	0.8	0.1	0.03	0.001	0.02	0.03	0.01	0.02	--	0.08	0.01	0.3	2	0.2	0.4	0.3	3	1	2	0.3	0.04	0.9	0.03	0.04	0.06	1	0.4	0.4	0.2
1005	Garden	0.2	0.02	0.3	0.3	0.05	0.3	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
1006	House	0.1	0.03	0.3	0.3	0.03	0.3	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.03	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
1007	Garden	0.08	0.03	0.3	0.3	0.02	0.3	--	0.4	0.02	0.009	0.003	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
1008	Agriculture	0.09	0.03	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.003	0.02	0.02	0.004	0.03	--	0.04	0.004	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
1010	Agriculture	0.1	0.03	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004	0.2	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
1011	Agriculture	0.2	0.02	0.1	0.2	0.06	0.2	--	0.4	0.05	0.02	0.001	0.01	0.01	0.006	0.02	--	0.04	0.005	0.2	2	0.2	0.2	0.2	3	1	1	0.2	0.03	0.9	0.02	0.02	0.06	1	0.4	0.3	0.2
1015	Garden	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
1017	Garden	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
1018	Garden	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
1020	Garden	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.05	0.004	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
1021[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
1030[b]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.07	2	0.2	0.3	0.1	3	1	0.9	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
1035	Garden	0.2	0.03	0.3	0.3	0.05	0.5	--	0.5	0.04	0.02	0.003	0.03	0.03	0.005	0.05	--	0.05	0.004	0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
1036	Play Area	0.1	0.02	0.3	0.3	0.03	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
1037	Garden	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.003	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
1060	House	0.1	0.02	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.1	2	0.3	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
3000	House	0.05	0.02	0.2	0.2	0.01	0.2	--	0.3	0.008	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	0.08	2	0.2	0.3	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
3001	Garden	0.3	0.04	0.5	0.5	0.1	0.5	--	1	0.07	0.04	0.003	0.05	0.05	0.01	0.04	--	0.1	0.008	0.4	2	0.5	0.5	0.2	3	1	2	0.3	0.05	0.9	0.06	0.05	0.06	1	0.4	0.4	0.2
3003	Other -Not Specified	0.4	0.02	0.4	0.4	0.09	0.4	--	0.9	0.08	0.04	0.002	0.03	0.04	0.008	0.04	--	0.09	0.009	0.4	2	0.4	0.4	0.2	3	1	2	0.3	0.05	0.9	0.04	0.04	0.06	1	0.4	0.4	0.2
3004	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
075-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2

Table 5-15. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																					
075-H1	House	0.1	0.02	0.2	0.3	0.05	0.5	--	0.5	0.05	0.01	0.001	0.02	0.02	0.005	0.04	--	0.05	0.005		0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
075-O1	Other -Not Specified	0.1	0.02	0.2	0.6	0.08	0.3	--	0.6	0.09	0.02	0.002	0.02	0.05	0.007	0.03	--	0.06	0.009		0.2	2	0.2	0.6	0.2	3	1	1	0.3	0.03	0.9	0.03	0.05	0.06	1	0.4	0.3	0.2
076-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004		0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
076-G2	Garden	0.2	0.02	0.3	0.4	0.06	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.005		0.2	2	0.3	0.4	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
076-H1	House	0.1	0.02	0.3	0.3	0.04	0.7	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.005		0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
076-H2	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004		0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
076-N1	Animal Activity Area	0.2	0.02	0.3	0.4	0.1	0.6	--	0.5	0.04	0.02	0.002	0.03	0.03	0.009	0.05	--	0.05	0.004		0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
077-A1	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001		0.07	2	0.2	0.2	0.1	3	1	1	0.2	0.01	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
077-A2	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001		0.06	2	0.2	0.2	0.1	3	1	1	0.2	0.01	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
077-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001		0.07	2	0.2	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
077-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001		0.07	2	0.2	0.2	0.1	3	1	1	0.2	0.01	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
077-H2	House	0.04	0.01	0.2	0.2	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001		0.07	2	0.2	0.2	0.1	3	1	1	0.2	0.01	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
077-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001		0.07	2	0.2	0.2	0.1	3	1	1	0.2	0.01	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
078-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.02	0.002		0.07	2	0.2	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
078-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.009	0.004	0.001	0.01	0.02	0.0006	0.02	--	0.02	0.0009		0.05	2	0.2	0.2	0.1	3	1	0.9	0.2	0.01	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
078-N1	Animal Activity Area	0.04	0.01	0.2	0.2	0.009	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.001		0.06	2	0.2	0.2	0.1	3	1	1	0.2	0.01	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
078-O1	Other -Not Specified	0.04	0.01	0.2	0.3	0.008	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.0008	0.03	--	0.02	0.001		0.06	2	0.2	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
079-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003		0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
079-H2	House	0.2	0.02	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.05	--	0.05	0.004		0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
080-H1	House	0.1	0.04	0.5	0.4	0.02	0.5	--	0.5	0.01	0.02	0.004	0.05	0.03	0.001	0.04	--	0.05	0.001		0.2	2	0.5	0.4	0.1	3	1	1	0.2	0.02	0.9	0.06	0.04	0.05	1	0.4	0.3	0.2
081-A1	Agriculture	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002		0.09	2	0.3	0.3	0.1	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
081-H1	House	0.09	0.03	0.4	0.3	0.02	0.4	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.04	--	0.04	0.003		0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
081-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.05	0.5	--	0.5	0.06	0.01	0.002	0.04	0.04	0.005	0.05	--	0.05	0.006		0.1	2	0.4	0.4	0.2	3	1	1	0.2	0.02	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
082-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.009	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.0009		0.07	2	0.2	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
082-G2	Garden	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002		0.09	2	0.2	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
082-H1	House	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002		0.07	2	0.2	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
082-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002		0.09	2	0.2	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
082-N2	Animal Activity Area	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002		0.09	2	0.2	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
083-G1	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002		0.1	2	0.3	0.3	0.1	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
083-G2	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.03	0.002		0.1	2	0.3	0.3	0.1	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
083-H1	House	0.08	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002		0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
084-H1	House	0.04	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.005	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001		0.07	2	0.3	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
085-H1	House	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002		0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
085-O1	Other -Not Specified	0.1	0.02	0.4	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.005	0.04	--	0.04	0.004		0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
085-P1	Play Area	0.2	0.03	0.3	0.3	0.06	0.7	--	0.6	0.06	0.02	0.003	0.03	0.03	0.005	0.07	--	0.06	0.006		0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
086-G1	Garden	0.09	0.01	0.2	0.3	0.03	0.5	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003		0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
086-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002		0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
086-H2	House	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004		0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
087-H1	House	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002		0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
087-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.005		0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
088-H1	House	0.2	0.02	0.3	0.3	0.08	0.7	--	0.8	0.08	0.03	0.002	0.03	0.03	0.007	0.06	--	0.08	0.008		0.3	2	0.3	0.3	0.2	3	1	2	0.3	0.04	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
088-H2	House	0.1	0.01	0.2	0.2	0.05	0.4	--	0.5	0.06	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.006		0.2	2	0.2	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
088-O1	Other -Not Specified	0.2	0.01	0.2	0.3	0.06	0.7	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.06	--	0.06	0.006		0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
089-A1	Agriculture	0.1	0.02	0.3	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003		0.1	2	0.3	0.4	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
089-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.004		0.1	2	0.3	0.4	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
089-O1	Other -Not Specified	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002		0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
090-H1	House	0.05	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.006	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003		0.08	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
090-O2	Other -Not Specified	0.06	0.02	0.3	0.4	0.04	0.5	--	0.5	0.02	0.007	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002		0.08	2	0.3	0.4	0.2	3	1	1	0.2	0.02	0.9	0.04	0.04	0.05	1	0.4	0.3	0.2
091-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.003		0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
091-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002		0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
092-O1	Other -Not Specified	0.08	0.02	0.2	0.2	0.07	0.3	--	0.5	0.06	0.01	0.001	0.02	0.02	0.007	0.02	--	0.05	0.006		0.1	2	0.2	0.2	0.2	3	1	1	0.3	0.02	0.9	0.03	0.02	0.06	1	0.4	0.3	0.2
092-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004		0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
093-H1	House	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.002		0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
094-H1	House	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003		0.2	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
094-P1	Play Area	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.06	--	0.05	0.004		0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
095-A1	Agriculture	0.2	0.01	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.007	0.06	--	0.06	0.007		0.2	2	0.2	0.3	0.2	3	1	1	0.3	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
095-H1	House	0.2	0.02	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.02	0.03	0.005	0.05	--	0.06	0.005		0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
095-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.07	0.5	--	0.5	0.06	0.02	0.001	0.02	0.03	0.006	0.05	--	0.05	0.006		0.2	2	0.2	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
095-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.008	0.06	--	0.06	0.007		0.2	2	0.2	0.3	0.2	3	1	1	0.3	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
096-H1	House	0.2	0.02	0.3	0.3	0.08	0.5	--	0.6	0.07	0.02	0.002	0.03	0.03	0.007	0.05	--	0.06	0.007		0.2	2	0.3	0.3	0.2	3	1	1	0.3	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
096-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.09	0.5	--	0.9	0.1	0.03	0.002	0.03	0.03	0.008	0.05	--	0.09	0.01		0.3	2	0.3	0.4	0.2	3	1	2	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
097-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.03	--	0.05	0.004		0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
097-H2	House	0.08	0.02	0.2	0.3	0.03	0.2	--	0.6	0.04	0.009	0.002	0.02	0.03	0.003	0.02	--	0.05	0.004		0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
098-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001		0.07	2	0.2	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
098-H1	House	0.03	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.004	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001		0.06	2	0.2	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
098-O1	Other -Not Specified	0.03	0.01	0.2	0.3	0.01	0.3	--	0.3	0.008	0.004	0.001	0.02	0.03	0.001	0.02	--	0.03	0.0008		0.06	2	0.2	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
099-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003		0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2

Table 5-15. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
099-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.4	--	0.3	0.03	0.01	0.0001	0.02	0.02	0.003	0.04	--	0.03	0.003	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
099-H1	House	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.05	0.01	0.0001	0.02	0.02	0.005	0.03	--	0.04	0.005	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
099-O1	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.005	0.03	--	0.05	0.005	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
100-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.4	--	0.5	0.02	0.008	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.09	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
100-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.006	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
100-N1	Animal Activity Area	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
100-N2	Animal Activity Area	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
100-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.03	--	0.04	0.004	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
101-G1	Garden	0.09	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
101-H1	House	0.08	0.02	0.2	0.3	0.05	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.005	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
101-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.07	0.02	0.002	0.03	0.03	0.006	0.05	--	0.05	0.007	0.2	2	0.3	0.3	0.2	3	1	1	0.3	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
102-G1	Garden	0.09	0.02	0.4	0.4	0.03	0.6	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.1	2	0.4	0.4	0.2	3	1	1	0.2	0.02	0.9	0.04	0.04	0.05	1	0.4	0.3	0.2
102-H1	House	0.07	0.03	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.1	2	0.3	0.3	0.1	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
103-H1	House	0.1	0.01	0.2	0.3	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
103-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.04	--	0.04	0.004	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
104-H1	House	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.05	0.03	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006	0.3	2	0.3	0.3	0.2	3	1	1	0.2	0.04	0.9	0.03	0.03	0.05	1	0.4	0.4	0.2
104-H2	House	0.2	0.01	0.2	0.3	0.04	0.4	--	0.6	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.06	0.005	0.2	2	0.2	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
104-N1	Animal Activity Area	0.2	0.01	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.004	0.04	--	0.05	0.004	0.2	2	0.2	0.2	0.2	3	1	1	0.2	0.03	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
105-H1	House	0.1	0.01	0.1	0.2	0.04	0.3	--	0.3	0.03	0.01	0.0009	0.01	0.02	0.004	0.03	--	0.03	0.003	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
105-P1	Play Area	0.1	0.007	0.1	0.1	0.09	0.3	--	0.4	0.04	0.01	0.0007	0.009	0.01	0.009	0.02	--	0.04	0.004	0.2	2	0.1	0.1	0.2	3	1	1	0.2	0.02	0.9	0.02	0.01	0.06	1	0.4	0.3	0.2
106-G1	Garden	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.006	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001	0.07	2	0.3	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
106-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001	0.08	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
106-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.002	0.02	0.03	0.001	0.03	--	0.02	0.001	0.07	2	0.2	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
106-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.01	0.3	--	0.3	0.008	0.006	0.002	0.02	0.03	0.001	0.03	--	0.03	0.0008	0.07	2	0.3	0.3	0.1	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
107-H1	House	0.08	0.01	0.2	0.2	0.09	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.009	0.04	--	0.05	0.005	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.06	1	0.4	0.3	0.2
108-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.03	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
108-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.005	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
108-O2	Other -Not Specified	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.04	--	0.03	0.003	0.09	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
109-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.07	2	0.2	0.3	0.1	3	1	0.9	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
110-A1	Agriculture	0.1	0.01	0.3	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.05	--	0.05	0.004	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
110G	Garden	0.1	0.02	0.2	0.2	0.02	0.4	--	0.3	0.01	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	2	0.2	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
110-G1	Garden	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.05	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
110-G2	Garden	0.06	0.01	0.2	0.3	0.02	0.5	--	0.3	0.01	0.007	0.001	0.02	0.03	0.002	0.05	--	0.03	0.001	0.08	2	0.3	0.4	0.1	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
110-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
110-O1	Other -Not Specified	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.09	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
110-O2	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.01	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
111-H1	House	0.07	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001	0.1	2	0.2	0.3	0.1	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
112G	Garden	0.3	0.03	0.3	0.3	0.1	0.6	--	0.7	0.06	0.04	0.002	0.03	0.02	0.01	0.05	--	0.07	0.006	0.4	2	0.3	0.3	0.3	3	1	1	0.3	0.05	0.9	0.04	0.02	0.06	1	0.4	0.4	0.2
112-G1	Garden	0.2	0.04	0.3	0.3	0.06	0.4	--	0.5	0.06	0.02	0.004	0.03	0.03	0.006	0.03	--	0.05	0.006	0.2	2	0.3	0.3	0.2	3	1	1	0.3	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
112-H1	House	0.2	0.04	0.3	0.3	0.05	0.3	--	0.4	0.06	0.02	0.003	0.03	0.03	0.005	0.03	--	0.04	0.006	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
112-O1	Other -Not Specified	0.3	0.03	0.3	0.3	0.1	0.4	--	0.7	0.1	0.03	0.003	0.03	0.03	0.01	0.04	--	0.07	0.01	0.3	2	0.3	0.3	0.2	3	1	1	0.3	0.04	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
113-G1	Garden	0.2	0.02	0.3	0.4	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008	0.2	2	0.3	0.4	0.2	3	1	1	0.3	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
113-G2	Garden	0.2	0.02	0.3	0.4	0.1	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.008	0.2	2	0.4	0.4	0.2	3	1	1	0.3	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
113-G3	Garden	0.1	0.02	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
113low	Other -Not Specified	0.3	0.02	0.3	0.3	0.08	0.6	--	0.8	0.08	0.03	0.002	0.03	0.03	0.008	0.06	--	0.08	0.008	0.3	2	0.3	0.3	0.2	3	1	2	0.3	0.04	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
113-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.006	0.04	--	0.05	0.006	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
113up	Other -Not Specified	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.05	0.001	0.02	0.02	0.01	0.06	--	0.1	0.01	0.5	2	0.3	0.3	0.2	3	1	2	0.3	0.06	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
114-G1	Garden	0.1	0.02	0.2	0.4	0.05	0.2	--	0.5	0.09	0.02	0.001	0.02	0.04	0.005	0.02	--	0.05	0.01	0.2	2	0.2	0.4	0.2	3	1	1	0.3	0.02	0.9	0.03	0.04	0.05	1	0.4	0.3	0.2
114-H1	House	0.2	0.02	0.2	0.5	0.08	0.3	--	0.6	0.1	0.02	0.002	0.02	0.05	0.008	0.03	--	0.06	0.01	0.2	2	0.2	0.5	0.2	3	1	1	0.3	0.03	0.9	0.03	0.05	0.06	1	0.4	0.3	0.2
114-O1	Other -Not Specified	0.1	0.02	0.2	0.5	0.07	0.3	--	0.6	0.09	0.02	0.002	0.02	0.05	0.007	0.03	--	0.06	0.01	0.1	2	0.2	0.5	0.2	3	1	1	0.3	0.02	0.9	0.03	0.05	0.06	1	0.4	0.3	0.2
115-O1	Other -Not Specified	0.5	0.03	0.4	0.4	0.1	0.4	--	1	0.06	0.06	0.002	0.03	0.04	0.01	0.03	--	0.1	0.007	0.5	2	0.4	0.4	0.2	3	1	2	0.3	0.06	0.9	0.04	0.04	0.06	1	0.4	0.4	0.2
115SP	Other -Not Specified	0.4	0.02	0.3	0.3	0.2	0.5	--	1	0.1	0.04	0.002	0.02	0.03	0.02	0.05	--	0.1	0.01	0.4	2	0.3	0.3	0.3	3	1	2	0.3	0.05	0.9	0.03	0.03	0.07	1	0.4	0.4	0.2
116M	House	0.2	0.02	0.2	0.4	0.2	0.2	--	0.7	0.08	0.03	0.001	0.02	0.04	0.02	0.02	--	0.07	0.008	0.3	2	0.3	0.4	0.3	3	1	1	0.3	0.04	0.9	0.03	0.04	0.06	1	0.4	0.4	0.2
116-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.008	0.002	0.02	0.03	0.004	0.05	--	0.04	0.004	0.09	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
117-O1	Other -Not Specified	0.1	0.04	0.4	0.5	0.01	0.5	--	0.4	0.006	0.02	0.003	0.04	0.04	0.001	0.04	--	0.04	0.0006	0.2	2	0.5	0.5	0.1	3	1	1	0.2	0.03	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
118-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.5	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.05	--	0.03	0.001	0.08	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
118-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.4	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.04	--	0.02	0.001	0.07	2	0.2	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
118-H1	House	0.04	0.01	0.2	0.3	0.01	0.4	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.04	--	0.03	0.001	0.07	2	0.2	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
118-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.03	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.09	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
118-N2	Animal Activity Area	0.09	0.01	0.2	0.2	0.04	0.6	--	0.3	0.03	0.01	0.001	0.02	0.02	0.004	0.06	--	0.03	0.003	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
119-P1	Play Area	0.3	0.01	0.3	0.3	0.1	0.7	--	0.8	0.09	0.04	0.001	0.02	0.03	0.01	0.07	--	0.09	0.009	0.4	2	0.3	0.3	0.3	3	1	2	0.3	0.05	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
120-A1	Agriculture	0.08	0.03	0.2	0.2	0.03	0.3	--	0.3	0.03	0.009	0.003	0.02	0.02	0.003	0.02	--	0.03	0.003	0.1	2	0.3	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
120-G1	Garden	0.08	0.03	0.1	0.1	0.04	0.2	--	0.2	0.04	0.009	0.002	0.01	0.01	0.004	0.02	--	0.02	0.004	0.1	2	0.1	0.1	0.2	3	1	1	0.2	0.02	0.9	0.02	0.01	0.05	1	0.4	0.3	0.2
120-H1	House	0.09	0.02	0.2	0.2	0.04	0.2	--	0.3	0.03	0.01	0.002	0.01	0.02	0.004	0.02	--	0.03	0.003	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
120-O1	Other -Not Specified	0.1	0.04	0.2	0.2	0.05	0.3	--	0.3	0.04	0.01	0.004	0.02	0.02	0.005	0.03	--	0.03	0.004	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
121-G1	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.009	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2

Table 5-15. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
121-H1	House	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
121-N1	Animal Activity Area	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001	0.09	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
121-N2	Animal Activity Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.003	0.04	--	0.03	0.002	0.09	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
122-G1	Garden	0.07	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003	0.09	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
122-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
122-H1	House	0.08	0.02	0.3	0.3	0.04	0.5	--	0.4	0.05	0.009	0.001	0.02	0.03	0.004	0.04	--	0.04	0.005	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
122-H2	House	0.06	0.01	0.2	0.3	0.03	0.4	--	0.3	0.03	0.007	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003	0.09	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
122-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.06	0.5	--	0.5	0.06	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.006	0.1	2	0.3	0.3	0.2	3	1	1	0.3	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
122-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.1	0.5	--	0.7	0.1	0.02	0.001	0.02	0.03	0.009	0.04	--	0.07	0.01	0.2	2	0.3	0.3	0.2	3	1	1	0.3	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
122-P1	Play Area	0.1	0.02	0.2	0.3	0.1	0.6	--	0.7	0.1	0.02	0.001	0.02	0.03	0.01	0.05	--	0.07	0.01	0.2	2	0.3	0.3	0.3	3	1	1	0.3	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
123-G1	Garden	0.2	0.02	0.3	0.4	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
123-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
123-H1	House	0.1	0.03	0.3	0.4	0.04	0.7	--	0.4	0.03	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.003	0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.03	0.9	0.04	0.04	0.05	1	0.4	0.3	0.2
123-O1	Other -Not Specified	0.1	0.02	0.3	0.4	0.03	0.7	--	0.5	0.04	0.01	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004	0.1	2	0.4	0.4	0.2	3	1	1	0.2	0.02	0.9	0.04	0.04	0.05	1	0.4	0.3	0.2
123-O2	Other -Not Specified	0.2	0.02	0.3	0.4	0.1	0.7	--	0.6	0.1	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.01	0.2	2	0.4	0.4	0.3	3	1	1	0.3	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
124-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.007	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002	0.09	2	0.3	0.3	0.1	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
124-G2	Garden	0.2	0.05	0.6	0.4	0.05	0.5	--	0.7	0.05	0.02	0.005	0.06	0.04	0.005	0.05	--	0.07	0.005	0.2	2	0.6	0.5	0.2	3	1	1	0.2	0.03	0.9	0.07	0.04	0.05	1	0.4	0.3	0.2
124-H1	House	0.1	0.04	0.5	0.5	0.02	0.5	--	0.5	0.03	0.01	0.004	0.05	0.05	0.002	0.05	--	0.05	0.003	0.1	2	0.5	0.5	0.2	3	1	1	0.2	0.02	0.9	0.06	0.05	0.05	1	0.4	0.3	0.2
124-N1	Animal Activity Area	0.07	0.03	0.3	0.2	0.02	0.2	--	0.3	0.02	0.008	0.003	0.03	0.02	0.002	0.02	--	0.03	0.002	0.09	2	0.3	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
124-N2	Animal Activity Area	0.04	0.02	0.2	0.3	0.005	0.3	--	0.3	0.004	0.005	0.002	0.02	0.03	0.0005	0.03	--	0.02	0.0004	0.07	2	0.3	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
124-O1	Other -Not Specified	0.1	0.05	0.6	0.5	0.04	0.6	--	0.6	0.05	0.02	0.004	0.05	0.05	0.004	0.05	--	0.06	0.005	0.2	2	0.6	0.5	0.2	3	1	1	0.2	0.03	0.9	0.06	0.05	0.05	1	0.4	0.3	0.2
125-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.3	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
126-A1	Agriculture	0.07	0.01	0.1	0.2	0.03	0.3	--	0.3	0.03	0.009	0.001	0.01	0.02	0.003	0.03	--	0.03	0.003	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
126-G1	Garden	0.09	0.02	0.2	0.3	0.02	0.3	--	0.4	0.01	0.01	0.001	0.02	0.03	0.002	0.03	--	0.04	0.001	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
126-G2	Garden	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
126-H1	House	0.04	0.01	0.1	0.2	0.01	0.2	--	0.2	0.01	0.005	0.0009	0.01	0.02	0.001	0.02	--	0.02	0.001	0.07	2	0.2	0.2	0.1	3	1	1	0.2	0.01	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
126-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.01	0.02	0.002	0.03	--	0.03	0.002	0.09	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
126-O2	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.2	--	0.2	0.01	0.006	0.0009	0.01	0.02	0.002	0.02	--	0.02	0.001	0.08	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
126-O3	Other -Not Specified	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.001	0.02	0.03	0.002	0.03	--	0.04	0.002	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
126-P1	Play Area	0.06	0.009	0.1	0.2	0.02	0.2	--	0.3	0.01	0.007	0.0008	0.01	0.02	0.002	0.01	--	0.03	0.001	0.08	2	0.2	0.2	0.1	3	1	1	0.2	0.02	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
127-A1	Agriculture	0.1	0.02	0.2	0.3	0.08	0.6	--	0.5	0.05	0.02	0.001	0.02	0.03	0.007	0.05	--	0.05	0.005	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
127-G1	Garden	0.07	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
127-G2	Garden	0.09	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
127-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.004	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
127-H2	House	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002	0.08	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
127-N1	Animal Activity Area	0.09	0.01	0.2	0.3	0.06	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.004	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
128-G1	Garden	0.2	0.04	0.4	0.4	0.03	0.5	--	0.5	0.02	0.02	0.004	0.04	0.04	0.002	0.04	--	0.05	0.002	0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.03	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
128-G2	Garden	0.2	0.06	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.005	0.03	0.03	0.003	0.04	--	0.05	0.004	0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
128-G3	Garden	0.1	0.03	0.3	0.4	0.02	0.5	--	0.5	0.02	0.01	0.002	0.03	0.04	0.002	0.05	--	0.04	0.002	0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.02	0.9	0.04	0.04	0.05	1	0.4	0.3	0.2
128-N1	Animal Activity Area	0.2	0.03	0.3	0.4	0.05	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.004	0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
128-O1	Other -Not Specified	0.1	0.05	0.3	0.4	0.03	0.5	--	0.5	0.03	0.02	0.005	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	2	0.3	0.4	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
129-H1	House	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.07	0.02	0.001	0.02	0.03	0.01	0.02	--	0.07	0.007	0.2	2	0.2	0.3	0.3	3	1	1	0.3	0.03	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
129-H2	House	0.2	0.01	0.2	0.2	0.1	0.3	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.03	--	0.06	0.008	0.2	2	0.2	0.2	0.3	3	1	1	0.3	0.03	0.9	0.03	0.02	0.06	1	0.4	0.3	0.2
130-G1	Garden	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.02	0.001	0.07	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
130-H1	House	0.03	0.01	0.2	0.3	0.009	0.2	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.06	2	0.2	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
130-H2	House	0.07	0.02	0.2	0.3	0.02	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.04	0.002	0.09	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
131-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.5	0.05	0.01	0.002	0.02	0.03	0.003	0.03	--	0.05	0.005	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
132-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.2	--	0.3	0.009	0.005	0.001	0.02	0.03	0.001	0.02	--	0.02	0.0009	0.07	2	0.2	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
132-G2	Garden	0.04	0.02	0.2	0.3	0.005	0.3	--	0.2	0.004	0.004	0.001	0.02	0.03	0.0005	0.03	--	0.02	0.0004	0.06	2	0.3	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
132-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.07	2	0.2	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
132-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.006	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001	0.08	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
133-G1	Garden	0.2	0.02	0.2	0.3	0.07	0.5	--	0.6	0.06	0.02	0.002	0.02	0.03	0.007	0.04	--	0.05	0.006	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
133-H1	House	0.1	0.05	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.005	0.02	0.03	0.003	0.03	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
134-O1	Other -Not Specified	0.4	0.01	0.2	0.3	0.2	0.4	--	1	0.1	0.05	0.001	0.02	0.03	0.02	0.04	--	0.1	0.01	0.5	2	0.3	0.3	0.3	3	1	2	0.3	0.06	0.9	0.03	0.03	0.07	1	0.4	0.4	0.2
135-G1	Garden	0.2	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.05	--	0.05	0.004	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
135-H1	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.6	0.05	0.02	0.002	0.02	0.03	0.004	0.05	--	0.06	0.005	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
135-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.06	--	0.05	0.004	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
136-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002	0.09	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
136-G1	Garden	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.09	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
136-H1	House	0.06	0.02	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002	0.09	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
136-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.07	0.01	0.001	0.01	0.02	0.007	0.03	--	0.04	0.007	0.1	2	0.2	0.2	0.2	3	1	1	0.3	0.02	0.9	0.02	0.02	0.06	1	0.4	0.3	0.2
137-O1	Other -Not Specified	0.07	0.01	0.1	0.2	0.07	0.3	--	0.4	0.07	0.008	0.0009	0.01	0.02	0.006	0.03	--	0.04	0.007	0.09	2	0.2	0.2	0.2	3	1	1	0.3	0.02	0.9	0.02	0.02	0.06	1	0.4	0.3	0.2
137-O2	Other -Not Specified	0.08	0.01	0.2	0.2	0.05	0.3	--	0.4	0.06	0.009	0.001	0.02	0.02	0.005	0.03	--	0.04	0.006	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
138-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
138-G2	Garden	0.08	0.03	0.3	0.3	0.04	0.4	--	0.3	0.03	0.009	0.003	0.03	0.03	0.004	0.04	--	0.03	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
138-H1	House	0.09	0.03	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.002	0.1	2	0.3	0.4	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
138-O1	Other -Not Specified	0.06	0.02	0.3	0.4	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.04	0.002	0.04	--	0.03	0.002	0.09	2	0.3	0.4	0.2	3	1	1	0.2	0.02	0.9	0.04	0.04	0.05	1	0.4	0.3	0.2

Table 5-15. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
138-O2	Other -Not Specified	0.09	0.04	0.3	0.3	0.03	0.3	--	0.3	0.06	0.01	0.004	0.02	0.02	0.003	0.03	--	0.03	0.006	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
139-G1	Garden	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
139-G2	Garden	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.002	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
139-H1	House	0.06	0.01	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.09	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
139-N1	Animal Activity Area	0.07	0.01	0.3	0.3	0.03	0.4	--	0.4	0.02	0.008	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
140-G1	Garden	0.4	0.01	0.3	0.3	0.2	0.8	--	0.8	0.09	0.04	0.001	0.02	0.03	0.02	0.07	--	0.08	0.009	0.4	2	0.3	0.3	0.3	4	1	2	0.3	0.05	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
140-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.07	2	0.2	0.3	0.1	3	1	0.9	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
140-O1	Other -Not Specified	0.6	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.07	0.001	0.02	0.03	0.02	0.05	--	0.1	0.01	0.6	2	0.2	0.3	0.4	3	1	2	0.3	0.08	0.9	0.03	0.03	0.07	1	0.4	0.4	0.2
140-O2[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.07	2	0.2	0.3	0.1	3	1	0.9	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
141-A1	Agriculture	0.1	0.03	0.5	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.002	0.2	2	0.5	0.4	0.2	3	1	1	0.2	0.02	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
141-H1	House	0.1	0.03	0.4	0.4	0.03	0.4	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.03	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
141-H2	House	0.2	0.04	0.5	0.5	0.05	0.6	--	0.5	0.04	0.02	0.003	0.05	0.05	0.005	0.05	--	0.05	0.004	0.2	2	0.5	0.5	0.2	3	1	1	0.2	0.03	0.9	0.06	0.05	0.05	1	0.4	0.3	0.2
141-H3	House	0.1	0.03	0.4	0.4	0.04	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.003	0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.03	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
141-N1	Animal Activity Area	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002	0.1	2	0.3	0.4	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
141-N2	Animal Activity Area	0.2	0.03	0.5	0.5	0.04	0.6	--	0.5	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.05	0.003	0.2	2	0.5	0.5	0.2	3	1	1	0.2	0.03	0.9	0.05	0.05	0.05	1	0.4	0.3	0.2
141-N3	Animal Activity Area	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.008	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	0.07	2	0.2	0.2	0.1	3	1	1	0.2	0.01	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
141-N4	Animal Activity Area	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.03	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
141-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.003	0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.02	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
142-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.004	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
142-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.004	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
143-A1	Agriculture	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
143-G1	Garden	0.08	0.01	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
143-G2	Garden	0.08	0.01	0.2	0.2	0.02	0.4	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
143-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
144-G1	Garden	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
144-H1	House	0.2	0.01	0.2	0.3	0.06	0.5	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.04	--	0.06	0.006	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
145-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.009	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
145-H1	House	0.1	0.02	0.3	0.3	0.06	0.6	--	0.6	0.07	0.02	0.002	0.02	0.03	0.006	0.06	--	0.06	0.007	0.2	2	0.3	0.3	0.2	3	1	1	0.3	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
146G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.01	0.01	0.002	0.03	0.03	0.002	0.05	--	0.05	0.001	0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
146-H1	House	0.7	0.01	0.3	0.3	0.4	0.8	--	2	0.6	0.07	0.001	0.02	0.03	0.04	0.07	--	0.2	0.06	0.7	2	0.3	0.3	0.5	4	1	3	0.8	0.08	0.9	0.03	0.03	0.09	1	0.4	0.5	0.2
147-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.09	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
147-G2	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
147-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
148-H1	House	0.04	0.01	0.2	0.3	0.02	0.2	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.002	0.07	2	0.2	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
148-O1	Other -Not Specified	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.08	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
148-O3	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.02	--	0.05	0.004	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
149-A1	Agriculture	0.2	0.2	1	0.7	0.05	0.7	--	1	0.2	0.02	0.02	0.09	0.06	0.005	0.06	--	0.1	0.02	0.2	2	1	0.7	0.2	3	1	2	0.4	0.03	0.9	0.1	0.06	0.05	1	0.4	0.4	0.2
149-G1	Garden	0.1	0.09	0.7	0.5	0.05	0.7	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.06	--	0.07	0.008	0.2	2	0.7	0.5	0.2	3	1	1	0.3	0.03	0.9	0.08	0.05	0.05	1	0.4	0.4	0.2
149-G2	Garden	0.1	0.09	0.7	0.5	0.04	0.6	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.05	--	0.07	0.008	0.2	2	0.7	0.5	0.2	3	1	1	0.3	0.03	0.9	0.07	0.05	0.05	1	0.4	0.4	0.2
149-H1	House	0.1	0.09	0.7	0.5	0.06	0.6	--	0.7	0.09	0.02	0.009	0.07	0.05	0.005	0.06	--	0.07	0.009	0.2	2	0.7	0.5	0.2	3	1	1	0.3	0.03	0.9	0.08	0.05	0.05	1	0.4	0.4	0.2
149-N1	Animal Activity Area	0.1	0.07	0.5	0.4	0.03	0.5	--	0.6	0.06	0.01	0.006	0.05	0.04	0.003	0.05	--	0.05	0.006	0.1	2	0.6	0.4	0.2	3	1	1	0.2	0.02	0.9	0.06	0.04	0.05	1	0.4	0.3	0.2
150-G1	Garden	0.06	0.01	0.2	0.2	0.02	0.3	--	0.3	0.01	0.007	0.001	0.02	0.02	0.002	0.02	--	0.03	0.001	0.08	2	0.2	0.3	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
150-H1	House	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.07	2	0.2	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
151-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.004	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
152-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.004	0.2	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
152-H1	House	0.2	0.02	0.3	0.2	0.07	0.4	--	0.5	0.06	0.02	0.002	0.03	0.02	0.007	0.03	--	0.05	0.006	0.2	2	0.3	0.2	0.2	3	1	1	0.2	0.03	0.9	0.04	0.02	0.06	1	0.4	0.3	0.2
153-G1	Garden	0.2	0.02	0.2	0.3	0.06	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.06	--	0.05	0.004	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
153-H1	House	0.3	0.02	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	0.002	0.03	0.03	0.01	0.06	--	0.08	0.01	0.3	2	0.3	0.3	0.2	3	1	2	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
153-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.9	--	0.6	0.1	0.02	0.001	0.03	0.03	0.01	0.08	--	0.06	0.01	0.2	2	0.3	0.3	0.2	4	1	1	0.3	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
153-O2	Other -Not Specified	0.2	0.009	0.1	0.2	0.2	0.5	--	0.6	0.1	0.02	0.0008	0.01	0.02	0.02	0.04	--	0.06	0.01	0.2	2	0.1	0.2	0.3	3	1	1	0.3	0.03	0.9	0.02	0.02	0.07	1	0.4	0.3	0.2
153-O3	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.7	--	0.7	0.08	0.03	0.002	0.02	0.03	0.01	0.07	--	0.07	0.008	0.3	2	0.3	0.3	0.2	3	1	1	0.3	0.04	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
153-O5	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.7	--	0.8	0.09	0.03	0.001	0.02	0.03	0.01	0.07	--	0.08	0.009	0.3	2	0.3	0.3	0.2	3	1	2	0.3	0.04	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
153-O6	Other -Not Specified	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
153-O7	Other -Not Specified	0.3	0.02	0.3	0.3	0.2	0.8	--	0.8	0.1	0.04	0.002	0.02	0.03	0.02	0.07	--	0.08	0.01	0.3	2	0.3	0.3	0.3	4	1	2	0.3	0.04	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
153-P1	Play Area	0.3	0.02	0.3	0.3	0.1	0.8	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.07	--	0.09	0.01	0.3	2	0.3	0.3	0.3	4	1	2	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
154-G1	Garden	0.04	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.005	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.07	2	0.3	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
154-H1	House	0.04	0.02	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001	0.06	2	0.3	0.2	0.2	3	1	1	0.2	0.01	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
155-G1	Garden	0.2	0.01	0.2	0.2	0.08	0.5	--	0.5	0.05	0.02	0.001	0.02	0.02	0.007	0.04	--	0.05	0.006	0.2	2	0.3	0.2	0.2	3	1	1	0.2	0.03	0.9	0.03	0.02	0.06	1	0.4	0.3	0.2
155-G2	Garden	0.09	0.02	0.2	0.3	0.05	0.3	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
155-H1	House	0.07	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.09	2	0.3	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
155-H2	House	0.1	0.01	0.2	0.2	0.07	0.4	--	0.5	0.04	0.01	0.001	0.02	0.02	0.007	0.03	--	0.05	0.004	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.06	1	0.4	0.3	0.2
155-O2	Other -Not Specified	0.2	0.01	0.2	0.2	0.1	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.04	--	0.06	0.008	0.2	2	0.2	0.2	0.3	3	1	1	0.3	0.03	0.9	0.03	0.02	0.06	1	0.4	0.3	0.2
156-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
156-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.06	1	0.4	0.3	0.2
157-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.09	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
157-H1	House	0.09	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.01	0.002	0.02	0.02	0.004	0.02	--	0.05	0.004	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2

Table 5-15. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
157-H2	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.02	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
157-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.02	--	0.03	0.003	0.09	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
158-H1	House	0.06	0.02	0.2	0.3	0.02	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.08	2	0.2	0.3	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
158-O1	Other -Not Specified	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001	0.07	2	0.2	0.3	0.2	3	1	1	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
159-G1	Garden	0.1	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
159-H1	House	0.08	0.01	0.2	0.2	0.02	0.2	--	0.3	0.02	0.01	0.001	0.01	0.02	0.002	0.02	--	0.03	0.002	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
159-H2	House	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.2	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
159-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.09	2	0.2	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
159-O2	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.09	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
160-G1	Garden	0.1	0.01	0.2	0.2	0.03	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
160-H1	House	0.09	0.01	0.2	0.3	0.02	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.04	0.002	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
160-H2	House	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	2	0.3	0.3	0.1	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
161-H1	House	0.1	0.02	0.2	0.3	0.04	0.4	--	0.5	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.005	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
161-N1	Animal Activity Area	0.08	0.01	0.2	0.2	0.03	0.3	--	0.3	0.04	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.004	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
162-H1	House	0.05	0.01	0.2	0.2	0.05	0.2	--	0.3	0.03	0.006	0.0009	0.02	0.02	0.005	0.02	--	0.03	0.003	0.08	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
163G	Garden	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.06	0.04	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006	0.4	2	0.3	0.3	0.2	3	1	1	0.2	0.05	0.9	0.03	0.03	0.05	1	0.4	0.4	0.2
163-G1	Garden	0.06	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.007	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.08	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
163-O1	Other -Not Specified	0.07	0.01	0.2	0.3	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.09	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
164-H1	House	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.006	0.03	--	0.04	0.005	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
165-H1	House	0.1	0.05	0.6	0.5	0.03	0.5	--	0.4	0.02	0.02	0.004	0.06	0.05	0.003	0.05	--	0.04	0.002	0.2	2	0.6	0.5	0.2	3	1	1	0.2	0.03	0.9	0.07	0.05	0.05	1	0.4	0.3	0.2
165-O1	Other -Not Specified	0.2	0.06	0.9	0.7	0.07	0.7	--	0.5	0.05	0.03	0.005	0.08	0.06	0.007	0.06	--	0.06	0.005	0.2	2	0.9	0.7	0.2	3	1	1	0.2	0.04	0.9	0.09	0.06	0.06	1	0.4	0.3	0.2
166-O1	Other -Not Specified	0.2	0.01	0.2	0.4	0.1	0.2	--	0.6	0.1	0.02	0.001	0.02	0.03	0.009	0.02	--	0.06	0.01	0.2	2	0.2	0.4	0.2	3	1	1	0.3	0.03	0.9	0.03	0.04	0.06	1	0.4	0.3	0.2
167-O1	Other -Not Specified	0.08	0.01	0.2	0.3	0.03	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.003	0.02	--	0.04	0.004	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
167-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.2	--	0.5	0.04	0.01	0.001	0.02	0.02	0.005	0.02	--	0.05	0.004	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
167-O3	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.6	0.07	0.01	0.001	0.02	0.02	0.008	0.03	--	0.06	0.007	0.1	2	0.3	0.3	0.2	3	1	1	0.3	0.02	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
167-O4	Other -Not Specified	0.09	0.01	0.2	0.3	0.06	0.3	--	0.6	0.04	0.01	0.001	0.02	0.03	0.005	0.03	--	0.06	0.004	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
167-O5	Other -Not Specified	0.1	0.01	0.2	0.3	0.07	0.3	--	0.6	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.06	0.004	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.06	1	0.4	0.3	0.2
167-O6	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.5	0.07	0.01	0.001	0.02	0.02	0.008	0.04	--	0.05	0.007	0.1	2	0.2	0.3	0.2	3	1	1	0.3	0.02	0.9	0.03	0.02	0.06	1	0.4	0.3	0.2
167-O7	Other -Not Specified	0.2	0.01	0.2	0.3	0.2	0.4	--	0.8	0.1	0.03	0.001	0.02	0.02	0.02	0.04	--	0.08	0.01	0.3	2	0.2	0.3	0.3	3	1	2	0.3	0.04	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
167-O8	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.04	0.009	0.001	0.01	0.02	0.008	0.03	--	0.05	0.004	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.02	0.02	0.06	1	0.4	0.3	0.2
167-O9	Other -Not Specified	0.09	0.01	0.2	0.3	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
168-G1	Garden	0.04	0.02	0.2	0.3	0.02	0.3	--	0.3	0.03	0.005	0.002	0.02	0.02	0.002	0.03	--	0.03	0.003	0.07	2	0.2	0.3	0.2	3	1	1	0.2	0.01	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
168-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.08	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
168-H1	House	0.04	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.06	2	0.2	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
168-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.2	0.03	0.006	0.002	0.02	0.02	0.002	0.03	--	0.02	0.003	0.08	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
168-O1	Other -Not Specified	0.2	0.05	0.3	0.3	0.09	0.3	--	0.5	0.06	0.02	0.005	0.02	0.03	0.008	0.02	--	0.05	0.006	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
169A	Other -Not Specified	0.1	0.01	0.2	0.4	0.2	0.2	--	0.5	0.05	0.01	0.001	0.02	0.04	0.02	0.02	--	0.05	0.005	0.2	2	0.2	0.4	0.3	3	1	1	0.2	0.02	0.9	0.03	0.04	0.07	1	0.4	0.3	0.2
169-G2	Garden	0.06	0.01	0.2	0.3	0.03	0.2	--	0.3	0.02	0.007	0.001	0.02	0.03	0.003	0.02	--	0.03	0.002	0.08	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
169-G3	Garden	0.08	0.02	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.03	0.002	0.1	2	0.3	0.4	0.2	3	1	1	0.2	0.02	0.9	0.04	0.04	0.05	1	0.4	0.3	0.2
169-G4	Garden	0.07	0.02	0.2	0.3	0.04	0.3	--	0.3	0.02	0.008	0.001	0.02	0.03	0.004	0.03	--	0.03	0.002	0.09	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
169-H1	House	0.05	0.01	0.2	0.2	0.03	0.3	--	0.2	0.02	0.006	0.001	0.01	0.02	0.002	0.03	--	0.02	0.002	0.07	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
170-G1	Garden	0.08	0.02	0.2	0.3	0.03	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.03	0.002	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
170-G2	Garden	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.06	0.01	0.001	0.02	0.03	0.006	0.03	--	0.04	0.006	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
170-H1	House	0.07	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003	0.09	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
171-A1	Agriculture	0.2	0.04	0.6	0.5	0.07	0.6	--	0.7	0.08	0.02	0.004	0.05	0.05	0.006	0.06	--	0.07	0.009	0.2	2	0.6	0.5	0.2	3	1	1	0.3	0.03	0.9	0.06	0.05	0.06	1	0.4	0.4	0.2
171-G1	Garden	0.2	0.03	0.5	0.4	0.1	0.7	--	0.8	0.1	0.02	0.003	0.04	0.04	0.01	0.07	--	0.08	0.01	0.2	2	0.5	0.4	0.2	3	1	2	0.3	0.03	0.9	0.05	0.04	0.06	1	0.4	0.4	0.2
171-H1	House	0.1	0.03	0.3	0.4	0.08	0.4	--	0.6	0.08	0.01	0.002	0.03	0.03	0.007	0.04	--	0.06	0.008	0.1	2	0.4	0.4	0.2	3	1	1	0.3	0.02	0.9	0.04	0.04	0.06	1	0.4	0.3	0.2
172U	Other -Not Specified	0.2	0.02	0.2	0.5	0.08	0.2	--	0.6	0.1	0.02	0.002	0.02	0.05	0.007	0.02	--	0.06	0.01	0.2	2	0.2	0.6	0.2	3	1	1	0.3	0.03	0.9	0.02	0.05	0.06	1	0.4	0.3	0.2
173-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.009	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
173-G2	Garden	0.05	0.02	0.2	0.3	0.009	0.2	--	0.2	0.006	0.006	0.002	0.02	0.03	0.0008	0.02	--	0.02	0.0006	0.08	2	0.2	0.3	0.1	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
173-G3	Garden	0.1	0.03	0.2	0.4	0.04	0.4	--	0.4	0.03	0.02	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.2	2	0.3	0.4	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
173-G4	Garden	0.1	0.03	0.2	0.3	0.05	0.4	--	0.4	0.04	0.02	0.003	0.02	0.03	0.005	0.04	--	0.04	0.004	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
173-G5	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.01	0.002	0.03	0.03	0.002	0.03	--	0.03	0.001	0.1	2	0.3	0.3	0.1	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
173-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.03	--	0.04	0.005	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
173-P1	Play Area	0.1	0.02	0.2	0.3	0.07	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.007	0.03	--	0.05	0.006	0.1	2	0.3	0.3	0.2	3	1	1	0.3	0.02	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
174-A1	Agriculture	0.1	0.03	0.3	0.3	0.04	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004	0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
174-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.8	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.004	0.2	2	0.3	0.3	0.2	4	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
174-H1	House	0.2	0.03	0.3	0.3	0.09	0.7	--	0.5	0.06	0.02	0.003	0.03	0.03	0.009	0.06	--	0.05	0.006	0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
174M	House	0.05	0.01	0.2	0.2	0.008	0.2	--	0.2	0.01	0.006	0.001	0.02	0.02	0.0007	0.02	--	0.02	0.001	0.08	2	0.2	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
175-G1	Garden	0.08	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.009	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
175-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.001	0.01	0.02	0.002	0.02	--	0.02	0.001	0.07	2	0.2	0.2	0.1	3	1	1	0.2	0.01	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
175-H1	House	0.06	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.007	0.001	0.01	0.02	0.004	0.02	--	0.03	0.003	0.08	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
176-A1	Agriculture	0.08	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
176G	Garden	0.2	0.02	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.005	0.2	2	0.2	0.2	0.2	3	1	1	0.2	0.03	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
176-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
176-H2	House	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.002	0.03	--	0.04	0.002	0.09	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
176M	House	0.2	0.01	0.2	0.2	0.07	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.007	0.04	--	0.06	0.008	0.2	2	0.2	0.2	0.2	3	1	1	0.3	0.03	0.9	0.03	0.02	0.06	1	0.4	0.3	0.2

Table 5-15. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																	**Total HI Across Pathways**																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	**By Target Organ System**																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																			
176-P1	Play Area	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.09	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
178-H1	House	0.07	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.002	0.04	--	0.03	0.001	0.09	2	0.3	0.3	0.1	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
179-H1	House	0.1	0.02	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.05	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
180-H1	House	0.3	0.02	0.2	0.3	0.2	0.3	--	0.9	0.06	0.03	0.001	0.02	0.03	0.01	0.03	--	0.09	0.006	0.3	2	0.3	0.3	0.3	3	1	2	0.3	0.04	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
180-H2[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.07	2	0.2	0.3	0.1	3	1	0.9	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
180-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.3	0.3	--	1	0.09	0.02	0.001	0.02	0.03	0.02	0.03	--	0.1	0.009	0.2	2	0.3	0.3	0.4	3	1	2	0.3	0.03	0.9	0.03	0.03	0.07	1	0.4	0.4	0.2
181-A1	Agriculture	0.2	0.02	0.3	0.3	0.05	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
181-G1	Garden	0.2	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.02	0.002	0.02	0.03	0.003	0.04	--	0.04	0.001	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
181-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.3	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
181-H1	House	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.06	0.005	0.3	2	0.3	0.3	0.2	3	1	1	0.2	0.04	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
181-H2	House	0.3	0.02	0.3	0.3	0.06	0.7	--	0.7	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.004	0.3	2	0.4	0.3	0.2	3	1	1	0.2	0.04	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
181-N1	Animal Activity Area	0.3	0.02	0.3	0.3	0.06	0.8	--	0.7	0.05	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.005	0.3	2	0.3	0.3	0.2	3	1	1	0.2	0.04	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
181-N2	Animal Activity Area	0.2	0.02	0.3	0.3	0.07	0.7	--	0.6	0.05	0.03	0.002	0.03	0.03	0.007	0.07	--	0.06	0.005	0.3	2	0.3	0.3	0.2	3	1	1	0.2	0.04	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
181-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
182-G1	Garden	0.2	0.04	0.4	0.3	0.08	0.7	--	0.6	0.09	0.02	0.003	0.04	0.03	0.007	0.06	--	0.06	0.009	0.2	2	0.4	0.3	0.2	3	1	1	0.3	0.03	0.9	0.05	0.03	0.06	1	0.4	0.3	0.2
182-G2	Garden	0.3	0.04	0.4	0.4	0.09	0.9	--	0.8	0.09	0.03	0.003	0.04	0.03	0.008	0.08	--	0.08	0.009	0.3	2	0.5	0.4	0.2	4	1	2	0.3	0.04	0.9	0.05	0.04	0.06	1	0.4	0.4	0.2
182-H1	House	0.1	0.03	0.4	0.3	0.06	0.6	--	0.6	0.06	0.01	0.003	0.04	0.03	0.005	0.06	--	0.06	0.006	0.1	2	0.4	0.4	0.2	3	1	1	0.3	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
182-H2	House	0.1	0.03	0.4	0.4	0.05	0.6	--	0.5	0.06	0.01	0.003	0.04	0.04	0.005	0.05	--	0.05	0.006	0.1	2	0.5	0.4	0.2	3	1	1	0.2	0.02	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
182-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.04	0.5	--	0.5	0.05	0.01	0.003	0.04	0.04	0.004	0.05	--	0.05	0.005	0.1	2	0.4	0.4	0.2	3	1	1	0.2	0.02	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
182-O2	Other -Not Specified	0.3	0.03	0.4	0.4	0.08	0.9	--	0.7	0.09	0.03	0.003	0.04	0.03	0.007	0.08	--	0.08	0.009	0.3	2	0.4	0.4	0.2	4	1	1	0.3	0.04	0.9	0.05	0.04	0.06	1	0.4	0.4	0.2
182-O3	Other -Not Specified	0.1	0.03	0.3	0.3	0.07	0.6	--	0.6	0.09	0.02	0.003	0.03	0.03	0.006	0.05	--	0.06	0.009	0.2	2	0.3	0.3	0.2	3	1	1	0.3	0.02	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
184-H1	House	0.2	0.01	0.2	0.2	0.08	0.3	--	0.6	0.06	0.02	0.001	0.02	0.02	0.007	0.03	--	0.06	0.006	0.2	2	0.2	0.2	0.2	3	1	1	0.3	0.03	0.9	0.03	0.02	0.06	1	0.4	0.3	0.2
185-A1	Agriculture	0.1	0.03	0.3	0.3	0.05	0.3	--	0.5	0.03	0.01	0.003	0.02	0.03	0.004	0.03	--	0.05	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
185G	Garden	0.2	0.03	0.5	0.4	0.02	0.5	--	0.6	0.01	0.02	0.002	0.05	0.04	0.002	0.05	--	0.06	0.001	0.2	2	0.5	0.4	0.2	3	1	1	0.2	0.03	0.9	0.06	0.04	0.05	1	0.4	0.3	0.2
185-H1	House	0.09	0.03	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.05	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
186-O1	Other -Not Specified	0.2	0.02	0.2	0.5	0.1	0.3	--	0.6	0.1	0.02	0.001	0.02	0.05	0.01	0.02	--	0.06	0.01	0.2	2	0.2	0.5	0.2	3	1	1	0.3	0.03	0.9	0.03	0.05	0.06	1	0.4	0.3	0.2
187-H1	House	0.07	0.01	0.2	0.3	0.06	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
188-A1	Agriculture	0.09	0.03	0.3	0.3	0.04	0.6	--	0.4	0.04	0.01	0.003	0.03	0.03	0.004	0.06	--	0.04	0.004	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
188-G1	Garden	0.1	0.03	0.3	0.3	0.06	0.6	--	0.4	0.05	0.01	0.003	0.03	0.03	0.006	0.05	--	0.04	0.005	0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
188-G2	Garden	0.1	0.04	0.4	0.3	0.07	0.7	--	0.5	0.06	0.02	0.004	0.03	0.03	0.007	0.06	--	0.05	0.006	0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
188-G3	Garden	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
188-H1	House	0.06	0.04	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.004	0.03	0.03	0.002	0.04	--	0.03	0.002	0.08	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
188-P1	Play Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.002	0.02	0.02	0.003	0.04	--	0.03	0.003	0.09	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
189-G1	Garden	0.06	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.001	0.09	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
189-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.03	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
189-H2	House	0.09	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
189-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
190-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.007	0.005	0.001	0.02	0.03	0.001	0.03	--	0.03	0.0008	0.06	2	0.2	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
190-H1	House	0.04	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.005	0.001	0.02	0.02	0.002	0.03	--	0.02	0.002	0.07	2	0.2	0.2	0.1	3	1	1	0.2	0.01	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
190-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.001	0.03	--	0.03	0.001	0.07	2	0.3	0.3	0.1	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
190-N2	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.03	--	0.02	0.001	0.07	2	0.2	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
190-N3	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.009	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.0009	0.06	2	0.2	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
190-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
191-H1	House	0.1	0.02	0.3	0.3	0.09	0.4	--	0.5	0.06	0.02	0.002	0.03	0.03	0.008	0.04	--	0.05	0.006	0.2	2	0.3	0.3	0.2	3	1	1	0.3	0.02	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
192-A1	Agriculture	0.1	0.03	0.3	0.3	0.07	0.3	--	0.5	0.03	0.01	0.003	0.03	0.03	0.006	0.03	--	0.05	0.003	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
192-G1	Garden	0.1	0.04	0.3	0.4	0.08	0.3	--	0.6	0.03	0.02	0.004	0.03	0.03	0.007	0.03	--	0.06	0.003	0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
192-H1	House	0.1	0.03	0.2	0.3	0.06	0.3	--	0.5	0.02	0.01	0.003	0.02	0.03	0.005	0.02	--	0.05	0.002	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
193-G1	Garden	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.008	0.005	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.07	2	0.2	0.2	0.1	3	1	1	0.2	0.01	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
193-H1	House	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.0009	0.07	2	0.2	0.2	0.1	3	1	1	0.2	0.01	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
194-H1	House	0.03	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.06	2	0.2	0.2	0.1	3	1	1	0.2	0.01	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
194-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.08	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
195-G1	Garden	0.1	0.01	0.2	0.2	0.05	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.003	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
195-G2	Garden	0.1	0.01	0.2	0.3	0.09	0.5	--	0.5	0.07	0.02	0.001	0.02	0.03	0.009	0.05	--	0.05	0.007	0.2	2	0.2	0.3	0.2	3	1	1	0.3	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
195-O1	Other -Not Specified	0.1	0.01	0.1	0.2	0.1	0.4	--	0.4	0.06	0.01	0.0009	0.01	0.02	0.009	0.04	--	0.04	0.007	0.1	2	0.2	0.2	0.2	3	1	1	0.3	0.02	0.9	0.02	0.02	0.06	1	0.4	0.3	0.2
196-A1	Agriculture	0.06	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.007	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002	0.08	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
196-A2	Agriculture	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.04	0.008	0.002	0.02	0.02	0.003	0.04	--	0.04	0.004	0.09	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
196-G1	Garden	0.07	0.01	0.2	0.3	0.04	0.4	--	0.5	0.02	0.008	0.001	0.02	0.02	0.003	0.04	--	0.05	0.002	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
196-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
197-H1	House	0.1	0.03	0.3	0.4	0.05	0.3	--	0.5	0.04	0.01	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	0.1	2	0.4	0.4	0.2	3	1	1	0.2	0.02	0.9	0.04	0.04	0.05	1	0.4	0.3	0.2
198-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.6	--	0.4	0.03	0.01	0.002	0.02	0.02	0.004	0.06	--	0.04	0.003	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
198-H1	House	0.1	0.03	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.06	--	0.06	0.005	0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
199-G1	Garden	0.04	0.02	0.3	0.4	0.01	0.3	--	0.3	0.006	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.0006	0.07	2	0.3	0.4	0.1	3	1	1	0.2	0.01	0.9	0.04	0.04	0.05	1	0.4	0.3	0.2
199-O1	Other -Not Specified	0.04	0.02	0.3	0.4	0.02	0.3	--	0.3	0.01	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.001	0.07	2	0.3	0.4	0.1	3	1	1	0.2	0.01	0.9	0.03	0.04	0.05	1	0.4	0.3	0.2
200-G1	Garden	0.1	0.02	0.4	0.4	0.02	0.7	--	0.5	0.02	0.02	0.002	0.04	0.04	0.002	0.07	--	0.05	0.002	0.2	2	0.5	0.4	0.2	3	1	1	0.2	0.03	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
200-H1	House	0.1	0.02	0.4	0.4	0.02	0.6	--	0.4	0.01	0.01	0.002	0.04	0.03	0.002	0.06	--	0.04	0.001	0.1	2	0.4	0.4	0.2	3	1	1	0.2	0.02	0.9	0.04	0.04	0.05	1	0.4	0.3	0.2
200-O1	Other -Not Specified	0.2	0.03	0.5	0.5	0.02	0.6	--	0.5	0.01	0.02	0.003	0.05	0.05	0.002	0.06	--	0.05	0.001	0.2	2	0.5	0.5	0.2	3	1	1	0.2	0.03	0.9	0.06	0.05	0.05	1	0.4	0.3	0.2

Table 5-15. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																						
201G[c]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
201-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.1	0.4	--	0.7	0.08	0.03	0.002	0.03	0.04	0.01	0.04	--	0.07	0.008		0.3	2	0.3	0.4	0.3	3	1	1	0.3	0.04	0.9	0.04	0.04	0.06	1	0.4	0.4	0.2
202-H1	House	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004		0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
202-N1	Animal Activity Area	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002		0.09	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
202-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.02	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.002	0.02	--	0.04	0.004		0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
203-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		0.07	2	0.2	0.3	0.1	3	1	0.9	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
203-O1[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		0.07	2	0.2	0.3	0.1	3	1	0.9	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
203-O2	Other -Not Specified	0.5	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.06	0.001	0.02	0.03	0.02	0.06	--	0.1	0.01		0.6	2	0.3	0.3	0.4	3	1	2	0.3	0.07	0.9	0.03	0.03	0.07	1	0.4	0.4	0.2
203-O3[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		0.07	2	0.2	0.3	0.1	3	1	0.9	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
203-O4[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		0.07	2	0.2	0.3	0.1	3	1	0.9	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
205-O1	Other -Not Specified	0.4	0.02	0.2	0.3	0.1	0.2	--	1	0.09	0.04	0.002	0.02	0.03	0.01	0.02	--	0.1	0.009		0.4	2	0.3	0.3	0.3	3	1	2	0.3	0.05	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
206-A1	Agriculture	0.1	0.06	0.4	0.3	0.05	0.5	--	0.5	0.05	0.02	0.005	0.04	0.03	0.005	0.04	--	0.05	0.005		0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.03	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
206-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002		0.09	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
206-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008		0.06	2	0.2	0.3	0.1	3	1	1	0.2	0.01	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
206-H2	House	0.1	0.1	0.7	0.4	0.09	0.6	--	0.7	0.1	0.02	0.01	0.06	0.03	0.008	0.05	--	0.07	0.01		0.2	2	0.7	0.4	0.2	3	1	1	0.3	0.03	0.9	0.07	0.03	0.06	1	0.4	0.3	0.2
206-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.1	0.6	--	0.9	0.06	0.03	0.003	0.04	0.04	0.01	0.05	--	0.09	0.006		0.3	2	0.4	0.4	0.2	3	1	2	0.2	0.04	0.9	0.04	0.04	0.06	1	0.4	0.4	0.2
207-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004		0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
208AA	Animal Activity Area	0.2	0.02	0.2	0.2	0.05	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.005		0.2	2	0.3	0.2	0.2	3	1	1	0.2	0.03	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
208BM	House	0.2	0.02	0.4	0.3	0.03	0.5	--	0.6	0.03	0.02	0.002	0.04	0.03	0.003	0.04	--	0.06	0.003		0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.03	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
208G	Garden	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.06	0.003		0.2	2	0.5	0.4	0.2	3	1	1	0.2	0.03	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
208-H1	House	0.3	0.01	0.2	0.3	0.1	0.6	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.06	--	0.08	0.007		0.3	2	0.3	0.3	0.2	3	1	1	0.3	0.04	0.9	0.03	0.02	0.06	1	0.4	0.4	0.2
209A	Agriculture	0.2	0.02	0.4	0.3	0.05	0.4	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.04	--	0.05	0.005		0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
209-G1	Garden	0.2	0.01	0.2	0.3	0.08	0.6	--	0.7	0.09	0.03	0.001	0.02	0.02	0.008	0.05	--	0.07	0.009		0.2	2	0.3	0.3	0.2	3	1	1	0.3	0.04	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
209-H1	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.06	--	0.09	0.01		0.4	2	0.3	0.3	0.2	3	1	2	0.3	0.05	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
209-P1	Play Area	0.4	0.02	0.3	0.3	0.1	0.7	--	1	0.2	0.05	0.002	0.03	0.03	0.01	0.06	--	0.1	0.02		0.4	2	0.3	0.3	0.3	3	1	2	0.3	0.05	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
210-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.003	0.03	--	0.04	0.003		0.2	2	0.2	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
210-O1	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.01	0.02	0.004	0.03	--	0.04	0.004		0.2	2	0.2	0.2	0.2	3	1	1	0.2	0.03	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
211-A1	Garden	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003		0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
211-G1	Garden	0.1	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002		0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
211-G2	Garden	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002		0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
211-H1	House	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.002	0.04	--	0.04	0.003		0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
211-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.004	0.03	--	0.05	0.005		0.1	2	0.2	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
212-H1	House	0.1	0.02	0.3	0.5	0.1	0.3	--	0.6	0.08	0.01	0.002	0.02	0.05	0.01	0.03	--	0.06	0.008		0.1	2	0.3	0.5	0.2	3	1	1	0.3	0.02	0.9	0.03	0.05	0.06	1	0.4	0.3	0.2
212-H2	House	0.1	0.01	0.2	0.4	0.05	0.2	--	0.4	0.05	0.02	0.001	0.02	0.03	0.005	0.02	--	0.04	0.005		0.2	2	0.2	0.4	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
213-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.02	0.6	--	0.5	0.01	0.02	0.003	0.04	0.03	0.002	0.06	--	0.04	0.001		0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.03	0.9	0.04	0.04	0.05	1	0.4	0.3	0.2
213-O2	Other -Not Specified	0.2	0.03	0.4	0.3	0.04	0.6	--	0.7	0.02	0.02	0.002	0.04	0.03	0.004	0.05	--	0.07	0.002		0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.03	0.9	0.05	0.03	0.05	1	0.4	0.4	0.2
213-O3	Other -Not Specified	0.1	0.02	0.4	0.4	0.03	0.3	--	0.5	0.02	0.02	0.002	0.03	0.04	0.003	0.03	--	0.05	0.002		0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.03	0.9	0.04	0.04	0.05	1	0.4	0.3	0.2
21G	Garden	0.3	0.02	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	0.002	0.02	0.02	0.01	0.05	--	0.08	0.009		0.3	2	0.2	0.3	0.3	3	1	2	0.3	0.04	0.9	0.03	0.02	0.06	1	0.4	0.4	0.2
226C	House	0.3	0.01	0.2	0.2	0.1	0.3	--	0.9	0.06	0.03	0.001	0.02	0.02	0.01	0.03	--	0.09	0.006		0.3	2	0.2	0.2	0.3	3	1	2	0.2	0.04	0.9	0.03	0.02	0.06	1	0.4	0.4	0.2
230G	Garden	0.1	0.02	0.2	0.3	0.03	0.2	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.02	--	0.04	0.002		0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
231Lower	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.03	--	0.05	0.004		0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
238G	Garden	0.08	0.02	0.2	0.2	0.01	0.3	--	0.3	0.01	0.009	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001		0.1	2	0.2	0.2	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
238M	Other -Not Specified	0.07	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.008	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001		0.09	2	0.3	0.3	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
280yard	House	0.2	0.02	0.3	0.3	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008		0.2	2	0.4	0.3	0.2	3	1	1	0.3	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
284M	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004		0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
285M	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.4	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.04	--	0.05	0.004		0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
288G1	Garden	0.1	0.02	0.3	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002		0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
288G2	Garden	0.08	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.002		0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
289G3	Garden	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002		0.1	2	0.3	0.2	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
317M	Play Area	0.6	0.02	0.4	0.3	0.1	0.4	--	1	0.2	0.06	0.002	0.03	0.03	0.01	0.04	--	0.1	0.02		0.6	2	0.4	0.3	0.3	3	1	2	0.4	0.07	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
319M[c]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
320new	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.4	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.09	0.01		0.4	2	0.4	0.3	0.3	3	1	2	0.3	0.05	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
35PA[c]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
59A	House	0.3	0.01	0.2	0.2	0.1	0.4	--	0.7	0.1	0.04	0.001	0.02	0.02	0.01	0.04	--	0.07	0.01		0.4	2	0.2	0.2	0.3	3	1	1	0.3	0.05	0.9	0.03	0.02	0.06	1	0.4	0.4	0.2
62G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.002		0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
72M	Agriculture	0.3	0.03	0.3	0.3	0.09	0.5	--	0.6	0.07	0.03	0.002	0.03	0.03	0.008	0.04	--	0.06	0.007		0.3	2	0.3	0.3	0.2	3	1	1	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
72U	Other -Not Specified	0.2	0.04	0.4	0.4	0.04	0.5	--	0.6	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.06	0.003		0.2	2	0.5	0.4	0.2	3	1	1	0.2	0.03	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
94M	Agriculture	0.1	0.02	0.3	0.3	0.03	0.3	--	0.5	0.02	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.002		0.1	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
999G1	Garden	0.2	0.03	0.3	0.3	0.03	0.5	--	0.4	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003		0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
999M1	House	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.05	--	0.04	0.003		0.1	2	0.4	0.4	0.2	3	1	1	0.2	0.02	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
999M2	Garden	0.1	0.03	0.5	0.4	0.02	0.5	--	0.4	0.01	0.01	0.003	0.04	0.04	0.002	0.05	--	0.04	0.001		0.1	2	0.5	0.4	0.1	3	1	1	0.2	0.02	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
999M3	Other -Not Specified	0.2	0.05	0.7	0.6	0.06	1	--	0.8	0.06	0.02	0.004	0.06	0.06	0.006	0.09	--	0.08	0.006		0.2	2	0.7	0.6	0.2	4	1	2	0.2	0.03	0.9	0.07	0.06	0.05	1	0.4	0.4	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-16. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
Indoor Air		--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																		
Outdoor Air		--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02	**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Kokanee)		0.1	0.6	0.09	0.01	0.08	0.7	0.7	3	--	0.04	0.2	0.03	0.005	0.03	0.3	0.3	1	--																		
Residential Soil/Dust[a]		**Number of DUs that exeed benchmark[c] for Soil/Dust:**									**Number of DUs that exeed benchmark[c] for Soil/Dust:**																												
DU	DU Type	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	219	0	588	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
9	Agriculture	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
13	Other -Not Specified	0.2	0.02	0.3	0.3	0.03	0.6	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
14	Garden	0.2	0.02	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
15	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.02	0.002	0.03	0.02	0.004	0.04	--	0.05	0.003	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
16	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.05	--	0.09	0.01	0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.07	0.03	0.04	0.7	0.3	1	0.2
17	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.005	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
18[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
20[b]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
21	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.02	0.02	0.002	0.03	0.02	0.004	0.04	--	0.04	0.002	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
22	House	0.3	0.02	0.3	0.3	0.05	0.4	--	0.6	0.04	0.03	0.001	0.02	0.02	0.004	0.04	--	0.06	0.004	0.4	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.07	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
25	House	0.1	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
27	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
28	Garden	0.07	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.2	0.6	0.4	0.3	0.09	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
29	Other -Not Specified	0.09	0.02	0.3	0.3	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
30	Other -Not Specified	0.2	0.02	0.4	0.3	0.02	0.5	--	0.4	0.01	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.001	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
31	Other -Not Specified	0.2	0.02	0.4	0.3	0.07	0.8	--	0.7	0.07	0.02	0.002	0.03	0.03	0.007	0.07	--	0.07	0.007	0.3	0.6	0.4	0.4	0.1	2	0.7	3	0.3	0.06	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
33	House	0.2	0.02	0.2	0.2	0.1	0.5	--	0.6	0.05	0.02	0.002	0.02	0.02	0.009	0.04	--	0.06	0.005	0.3	0.6	0.3	0.3	0.2	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
35[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
39[b]	Agriculture	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
40[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
42	House	0.09	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.04	0.004	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
44	Agriculture	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
46	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
47	Agriculture	0.1	0.01	0.2	0.3	0.07	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.007	0.04	--	0.05	0.005	0.2	0.6	0.3	0.3	0.2	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
49[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
55	House	0.09	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
56	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.006	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
58	Agriculture	0.09	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
59	House	0.2	0.01	0.1	0.2	0.09	0.3	--	0.5	0.07	0.02	0.0009	0.01	0.02	0.009	0.03	--	0.05	0.007	0.3	0.6	0.2	0.2	0.2	1	0.7	3	0.3	0.05	0.2	0.05	0.02	0.04	0.6	0.3	1	0.2
60	Garden	0.1	0.02	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
61	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.004	0.3	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
62	House	0.1	0.02	0.3	0.3	0.03	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.004	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
66	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.5	--	0.6	0.04	0.02	0.001	0.02	0.03	0.007	0.04	--	0.06	0.004	0.3	0.6	0.3	0.3	0.2	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
67	Garden	0.2	0.02	0.3	0.3	0.09	0.5	--	0.6	0.05	0.03	0.002	0.02	0.03	0.008	0.05	--	0.06	0.005	0.3	0.6	0.4	0.3	0.2	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
70	House	0.2	0.03	0.3	0.3	0.08	0.4	--	0.6	0.06	0.02	0.003	0.03	0.03	0.008	0.04	--	0.06	0.006	0.3	0.6	0.4	0.3	0.2	1	0.7	3	0.2	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
71	Garden	0.2	0.03	0.3	0.3	0.06	0.4	--	0.5	0.04	0.03	0.003	0.03	0.03	0.005	0.04	--	0.05	0.004	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
72	Garden	0.2	0.04	0.4	0.4	0.08	0.4	--	0.7	0.08	0.03	0.004	0.04	0.04	0.008	0.03	--	0.07	0.008	0.3	0.7	0.5	0.4	0.2	1	0.7	3	0.3	0.06	0.2	0.08	0.04	0.04	0.7	0.3	1	0.2
75	House	0.3	0.02	0.3	0.3	0.2	0.7	--	0.9	0.1	0.03	0.001	0.03	0.03	0.02	0.06	--	0.09	0.01	0.4	0.6	0.4	0.3	0.3	2	0.7	4	0.3	0.07	0.2	0.06	0.03	0.05	0.7	0.3	1	0.2
82	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
85	House	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.2	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
86	Agriculture	0.1	0.02	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.003	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
87	Agriculture	0.09	0.02	0.2	0.2	0.03	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
106	House	0.4	0.02	0.2	0.3	0.1	0.6	--	0.8	0.07	0.04	0.001	0.02	0.02	0.01	0.05	--	0.08	0.007	0.5	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.08	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
107	Garden	0.3	0.02	0.3	0.3	0.09	0.6	--	0.6	0.05	0.03	0.002	0.03	0.03	0.008	0.06	--	0.06	0.005	0.4	0.6	0.4	0.3	0.2	2	0.7	3	0.2	0.07	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
108	Garden	0.3	0.03	0.3	0.3	0.07	0.5	--	0.6	0.05	0.04	0.003	0.02	0.03	0.007	0.04	--	0.06	0.005	0.4	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.07	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
109[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
110	House	0.1	0.01	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.02	0.03	0.7	0.3	1	0.2
111	Other -Not Specified	0.1	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.02	0.03	0.7	0.3	1	0.2
112	House	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.06	0.002	0.03	0.02	0.01	0.05	--	0.1	0.01	0.6	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.1	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
121	House	0.2	0.03	0.5	0.4	0.04	0.8	--	0.7	0.06	0.02	0.003	0.05	0.04	0.004	0.08	--	0.07	0.006	0.3	0.6	0.6	0.4	0.1	2	0.7	3	0.3	0.06	0.2	0.08	0.04	0.03	0.7	0.3	1	0.2
122	Other -Not Specified	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.03	0.003	0.04	0.04	0.003	0.06	--	0.06	0.003	0.3	0.6	0.6	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.08	0.04	0.03	0.7	0.3	1	0.2
123	House	0.3	0.02	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	0.002	0.03	0.02	0.01	0.05	--	0.08	0.01	0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
135	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.004	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
146	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.002	0.05	--	0.05	0.003	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
147	Garden	0.09	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.001	0.03	--	0.03	0.001	0.2	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
151[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
152	Other -Not Specified	0.2	0.02	0.4	0.3	0.05	0.4	--	0.6	0.07	0.02	0.002	0.03	0.03	0.004	0.04	--	0.06	0.007	0.3	0.6	0.5	0.3	0.1	1	0.7	3	0.3	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
154	House	0.06	0.01	0.1	0.2	0.02	0.2	--	0.2	0.02	0.007	0.001	0.01	0.02	0.002	0.02	--	0.02	0.002	0.2	0.6	0.2	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
160	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.05	0.02	0.002	0.03	0.02	0.004	0.05	--	0.05	0.005	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
163	House	0.2	0.02	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.04	--	0.05	0.004	0.3	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2

Table 5-16. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																			Total HI Across Pathways										
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System										
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																	
164	Agriculture	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
167	Agriculture	0.1	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
168	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.009	0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
169	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.6	--	0.7	0.07	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.007	0.3	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
170[b]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
175	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.02	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004	0.3	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.06	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
177	Agriculture	0.3	0.01	0.2	0.2	0.05	0.3	--	0.6	0.05	0.03	0.001	0.02	0.02	0.004	0.03	--	0.06	0.005	0.4	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.07	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
185	House	0.3	0.02	0.4	0.3	0.06	0.4	--	0.7	0.05	0.03	0.002	0.04	0.03	0.006	0.04	--	0.07	0.005	0.4	0.6	0.5	0.4	0.1	1	0.7	3	0.2	0.07	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
186	House	0.2	0.02	0.3	0.2	0.06	0.3	--	0.6	0.06	0.02	0.002	0.02	0.02	0.005	0.03	--	0.06	0.006	0.3	0.6	0.3	0.3	0.1	1	0.7	3	0.3	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
189	House	0.2	0.02	0.3	0.3	0.05	0.5	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.05	--	0.06	0.004	0.4	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.07	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
192	House	0.2	0.03	0.4	0.3	0.06	0.4	--	0.7	0.06	0.02	0.003	0.04	0.03	0.006	0.04	--	0.07	0.006	0.3	0.6	0.5	0.3	0.1	1	0.7	3	0.2	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
193	House	0.2	0.01	0.2	0.3	0.08	0.3	--	0.6	0.04	0.02	0.001	0.02	0.03	0.008	0.03	--	0.06	0.004	0.3	0.6	0.3	0.3	0.2	1	0.7	3	0.2	0.06	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
194[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
196[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
201	House	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
203[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
206	House	0.1	0.02	0.3	0.2	0.05	0.3	--	0.5	0.04	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
208	Other -Not Specified	0.2	0.02	0.4	0.3	0.1	0.4	--	0.6	0.05	0.02	0.002	0.03	0.03	0.01	0.04	--	0.06	0.005	0.3	0.6	0.4	0.3	0.2	1	0.7	3	0.2	0.06	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
213	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.4	--	0.8	0.09	0.04	0.002	0.02	0.02	0.01	0.04	--	0.08	0.009	0.4	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
216	House	0.3	0.01	0.2	0.3	0.1	0.4	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.04	--	0.07	0.007	0.4	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
218[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
229	Play Area	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.2	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
231	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.004	0.3	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.06	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
246	Play Area	0.05	0.02	0.2	0.2	0.01	0.2	--	0.2	0.01	0.006	0.002	0.02	0.02	0.001	0.02	--	0.02	0.001	0.2	0.6	0.3	0.2	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
249	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
250	House	0.2	0.01	0.2	0.2	0.05	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.005	0.03	--	0.04	0.003	0.3	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.06	0.2	0.05	0.02	0.03	0.7	0.3	1	0.2
253	House	0.1	0.01	0.2	0.2	0.03	0.2	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
280	Other -Not Specified	0.3	0.02	0.4	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.009	0.05	--	0.07	0.009	0.4	0.6	0.5	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.07	0.03	0.04	0.7	0.3	1	0.2
287	Agriculture	0.1	0.02	0.3	0.3	0.09	0.6	--	0.6	0.06	0.02	0.001	0.03	0.03	0.008	0.06	--	0.06	0.006	0.2	0.6	0.4	0.3	0.2	2	0.7	3	0.3	0.05	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
288	House	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
291	Agriculture	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
306	Other -Not Specified	0.1	0.01	0.2	0.2	0.02	0.2	--	0.4	0.02	0.01	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
315	House	0.1	0.02	0.3	0.3	0.01	0.3	--	0.4	0.01	0.01	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.2	0.6	0.4	0.3	0.09	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
316	Other -Not Specified	0.1	0.02	0.3	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
317	House	0.3	0.03	0.4	0.3	0.06	0.4	--	0.8	0.07	0.03	0.002	0.03	0.03	0.006	0.03	--	0.08	0.007	0.4	0.6	0.5	0.3	0.1	1	0.7	4	0.3	0.07	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
318	Other -Not Specified	0.4	0.02	0.3	0.3	0.1	0.4	--	1	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.1	0.01	0.5	0.6	0.4	0.3	0.2	1	0.7	4	0.3	0.08	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
319	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.5	--	1	0.2	0.04	0.002	0.03	0.03	0.01	0.05	--	0.1	0.02	0.5	0.6	0.5	0.4	0.2	2	0.7	4	0.4	0.08	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
325	Garden	0.1	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
326	Other -Not Specified	0.08	0.02	0.2	0.2	0.02	0.2	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
327	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.2	0.6	0.3	0.2	0.09	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
345	Play Area	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.003	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
346	Garden	0.2	0.02	0.3	0.3	0.07	0.5	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
347	Other -Not Specified	0.2	0.01	0.3	0.2	0.09	0.4	--	0.7	0.09	0.02	0.001	0.02	0.02	0.009	0.04	--	0.07	0.009	0.3	0.6	0.3	0.2	0.2	1	0.7	3	0.3	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
801	Other -Not Specified	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.06	0.03	0.001	0.01	0.03	0.009	0.02	--	0.07	0.006	0.3	0.6	0.2	0.3	0.2	1	0.7	3	0.2	0.06	0.2	0.05	0.03	0.04	0.6	0.3	1	0.2
1001	Other -Not Specified	0.3	0.01	0.2	0.4	0.1	0.2	--	0.8	0.1	0.03	0.001	0.02	0.03	0.01	0.02	--	0.08	0.01	0.4	0.6	0.3	0.4	0.2	1	0.7	4	0.3	0.07	0.2	0.05	0.04	0.04	0.6	0.3	1	0.2
1005	Garden	0.2	0.02	0.3	0.3	0.05	0.3	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	0.3	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
1006	House	0.1	0.03	0.3	0.3	0.03	0.3	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.03	--	0.04	0.003	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
1007	Garden	0.08	0.03	0.3	0.3	0.02	0.3	--	0.4	0.02	0.009	0.003	0.02	0.03	0.002	0.03	--	0.03	0.002	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
1008	Agriculture	0.09	0.03	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.003	0.02	0.02	0.004	0.03	--	0.04	0.004	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
1010	Agriculture	0.1	0.03	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
1011	Agriculture	0.2	0.02	0.1	0.2	0.06	0.2	--	0.4	0.05	0.02	0.001	0.01	0.01	0.006	0.02	--	0.04	0.005	0.3	0.6	0.2	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.02	0.04	0.6	0.3	1	0.2
1015	Garden	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
1017	Garden	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
1018	Garden	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
1020	Garden	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.05	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
1021[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
1030[b]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
1035	Garden	0.2	0.03	0.3	0.3	0.05	0.5	--	0.5	0.04	0.02	0.003	0.03	0.03	0.005	0.05	--	0.05	0.004	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
1036	Play Area	0.1	0.02	0.3	0.3	0.03	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
1037	Garden	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.003	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
1060	House	0.1	0.02	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
3000	House	0.05	0.02	0.2	0.2	0.01	0.2	--	0.3	0.008	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	0.2	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
3001	Garden	0.3	0.04	0.5	0.5	0.1	0.5	--	1	0.07	0.04	0.003	0.05	0.05	0.01	0.04	--	0.1	0.008	0.4	0.6	0.6	0.5	0.2	2	0.7	4	0.3	0.08	0.2	0.08	0.05	0.04	0.7	0.3	1	0.2
3003	Other -Not Specified	0.4	0.02	0.4	0.4	0.09	0.4	--	0.9	0.08	0.04	0.002	0.03	0.04	0.008	0.04	--	0.09	0.009	0.5	0.6	0.4	0.4	0.2	1	0.7	4	0.3	0.08	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
3004	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
075-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2

Table 5-16. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																		Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																				
075-H1	House	0.1	0.02	0.2	0.3	0.05	0.5	--	0.5	0.05	0.01	0.001	0.02	0.02	0.005	0.04	--	0.05	0.005	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
075-O1	Other -Not Specified	0.1	0.02	0.2	0.6	0.08	0.3	--	0.6	0.09	0.02	0.002	0.02	0.05	0.007	0.03	--	0.06	0.009	0.2	0.6	0.3	0.6	0.2	1	0.7	3	0.3	0.05	0.2	0.05	0.06	0.04	0.6	0.3	1	0.2
076-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.2	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
076-G2	Garden	0.2	0.02	0.3	0.4	0.06	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.005	0.3	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
076-H1	House	0.1	0.02	0.3	0.3	0.04	0.7	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.005	0.2	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
076-H2	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
076-N1	Animal Activity Area	0.2	0.02	0.3	0.4	0.1	0.6	--	0.5	0.04	0.02	0.002	0.03	0.03	0.009	0.05	--	0.05	0.004	0.3	0.6	0.4	0.4	0.2	2	0.7	3	0.2	0.06	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
077-A1	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.1	0.6	0.3	0.2	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
077-A2	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.1	0.6	0.3	0.2	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
077-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
077-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.1	0.6	0.3	0.2	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
077-H2	House	0.04	0.01	0.2	0.2	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.1	0.6	0.3	0.2	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
077-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
078-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.02	0.002	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
078-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.009	0.004	0.001	0.01	0.02	0.0006	0.02	--	0.02	0.0009	0.1	0.6	0.2	0.2	0.08	1	0.7	3	0.2	0.04	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
078-N1	Animal Activity Area	0.04	0.01	0.2	0.2	0.009	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.001	0.1	0.6	0.3	0.2	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
078-O1	Other -Not Specified	0.04	0.01	0.2	0.3	0.008	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.0008	0.03	--	0.02	0.001	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
079-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
079-H2	House	0.2	0.02	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.05	--	0.05	0.004	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
080-H1	House	0.1	0.04	0.5	0.4	0.02	0.5	--	0.5	0.01	0.02	0.004	0.05	0.03	0.001	0.04	--	0.05	0.001	0.2	0.6	0.6	0.4	0.09	2	0.7	3	0.2	0.05	0.2	0.08	0.04	0.03	0.7	0.3	1	0.2
081-A1	Agriculture	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
081-H1	House	0.09	0.03	0.4	0.3	0.02	0.4	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.04	--	0.04	0.003	0.2	0.6	0.5	0.4	0.1	1	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
081-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.05	0.5	--	0.5	0.06	0.01	0.002	0.04	0.04	0.005	0.05	--	0.05	0.006	0.2	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
082-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.009	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.0009	0.2	0.6	0.3	0.2	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
082-G2	Garden	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.2	0.6	0.3	0.2	0.09	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
082-H1	House	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002	0.2	0.6	0.3	0.2	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
082-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
082-N2	Animal Activity Area	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.2	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
083-G1	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.2	0.6	0.4	0.3	0.09	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
083-G2	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
083-H1	House	0.08	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
084-H1	House	0.04	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.005	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001	0.1	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.04	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
085-H1	House	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
085-O1	Other -Not Specified	0.1	0.02	0.4	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.005	0.04	--	0.04	0.004	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
085-P1	Play Area	0.2	0.03	0.3	0.3	0.06	0.7	--	0.6	0.06	0.02	0.003	0.03	0.03	0.005	0.07	--	0.06	0.006	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
086-G1	Garden	0.09	0.01	0.2	0.3	0.03	0.5	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
086-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
086-H2	House	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
087-H1	House	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
087-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.005	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
088-H1	House	0.2	0.02	0.3	0.3	0.08	0.7	--	0.8	0.08	0.03	0.002	0.03	0.03	0.007	0.06	--	0.08	0.008	0.3	0.6	0.4	0.4	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
088-H2	House	0.1	0.01	0.2	0.2	0.05	0.4	--	0.5	0.06	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.006	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.06	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
088-O1	Other -Not Specified	0.2	0.01	0.2	0.3	0.06	0.7	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.06	--	0.06	0.006	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
089-A1	Agriculture	0.1	0.02	0.3	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
089-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.004	0.2	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
089-O1	Other -Not Specified	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
090-H1	House	0.05	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.006	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
090-O2	Other -Not Specified	0.06	0.02	0.3	0.4	0.04	0.5	--	0.5	0.02	0.007	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.2	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.04	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
091-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.003	0.2	0.6	0.4	0.4	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
091-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
092-O1	Other -Not Specified	0.08	0.02	0.2	0.2	0.07	0.3	--	0.5	0.06	0.01	0.001	0.02	0.02	0.007	0.02	--	0.05	0.006	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.3	0.05	0.2	0.05	0.03	0.04	0.6	0.3	1	0.2
092-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
093-H1	House	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
094-H1	House	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
094-P1	Play Area	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.06	--	0.05	0.004	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
095-A1	Agriculture	0.2	0.01	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.007	0.06	--	0.06	0.007	0.3	0.6	0.3	0.3	0.2	2	0.7	3	0.3	0.06	0.2	0.05	0.04	0.04	0.7	0.3	1	0.2
095-H1	House	0.2	0.02	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.02	0.03	0.005	0.05	--	0.06	0.005	0.3	0.6	0.3	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
095-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.07	0.5	--	0.5	0.06	0.02	0.001	0.02	0.03	0.006	0.05	--	0.05	0.006	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
095-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.008	0.06	--	0.06	0.007	0.3	0.6	0.3	0.3	0.2	2	0.7	3	0.3	0.06	0.2	0.05	0.04	0.04	0.7	0.3	1	0.2
096-H1	House	0.2	0.02	0.3	0.3	0.08	0.5	--	0.6	0.07	0.02	0.002	0.03	0.03	0.007	0.05	--	0.06	0.007	0.3	0.6	0.4	0.3	0.2	2	0.7	3	0.3	0.06	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
096-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.09	0.5	--	0.9	0.1	0.03	0.002	0.03	0.03	0.008	0.05	--	0.09	0.01	0.4	0.6	0.4	0.4	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
097-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.03	--	0.05	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.6	0.3	1	0.2
097-H2	House	0.08	0.02	0.2	0.3	0.03	0.2	--	0.6	0.04	0.009	0.002	0.02	0.03	0.003	0.02	--	0.05	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
098-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
098-H1	House	0.03	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.004	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001	0.1	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
098-O1	Other -Not Specified	0.03	0.01	0.2	0.3	0.01	0.3	--	0.3	0.008	0.004	0.001	0.02	0.03	0.001	0.02	--	0.03	0.0008	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
099-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2

Table 5-16. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
099-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.4	--	0.3	0.03	0.01	0.0001	0.02	0.02	0.003	0.04	--	0.03	0.003	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
099-H1	House	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.05	0.01	0.0001	0.02	0.02	0.005	0.03	--	0.04	0.005	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
099-O1	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.005	0.03	--	0.05	0.005	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.02	0.03	0.7	0.3	1	0.2
100-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.4	--	0.5	0.02	0.008	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.2	0.6	0.4	0.4	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
100-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.006	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
100-N1	Animal Activity Area	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
100-N2	Animal Activity Area	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.2	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
100-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.03	--	0.04	0.004	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
101-G1	Garden	0.09	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
101-H1	House	0.08	0.02	0.2	0.3	0.05	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.005	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
101-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.07	0.02	0.002	0.03	0.03	0.006	0.05	--	0.05	0.007	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.3	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
102-G1	Garden	0.09	0.02	0.4	0.4	0.03	0.6	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.2	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
102-H1	House	0.07	0.03	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.2	0.6	0.4	0.3	0.09	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
103-H1	House	0.1	0.01	0.2	0.3	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
103-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.04	--	0.04	0.004	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
104-H1	House	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.05	0.03	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006	0.4	0.6	0.3	0.3	0.1	2	0.7	4	0.2	0.07	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
104-H2	House	0.2	0.01	0.2	0.3	0.04	0.4	--	0.6	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.06	0.005	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
104-N1	Animal Activity Area	0.2	0.01	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.004	0.04	--	0.05	0.004	0.3	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.06	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
105-H1	House	0.1	0.01	0.1	0.2	0.04	0.3	--	0.3	0.03	0.01	0.0009	0.01	0.02	0.004	0.03	--	0.03	0.003	0.2	0.6	0.2	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
105-P1	Play Area	0.1	0.007	0.1	0.1	0.09	0.3	--	0.4	0.04	0.01	0.0007	0.009	0.01	0.009	0.02	--	0.04	0.004	0.2	0.6	0.2	0.2	0.2	1	0.7	3	0.2	0.05	0.2	0.04	0.02	0.04	0.6	0.3	1	0.2
106-G1	Garden	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.006	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.04	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
106-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
106-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.002	0.02	0.03	0.001	0.03	--	0.02	0.001	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
106-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.01	0.3	--	0.3	0.008	0.006	0.002	0.02	0.03	0.001	0.03	--	0.03	0.0008	0.2	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
107-H1	House	0.08	0.01	0.2	0.2	0.09	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.009	0.04	--	0.05	0.005	0.2	0.6	0.3	0.3	0.2	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
108-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.03	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
108-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.005	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
108-O2	Other -Not Specified	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.04	--	0.03	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
109-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
110-A1	Agriculture	0.1	0.01	0.3	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.05	--	0.05	0.004	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
110G	Garden	0.1	0.02	0.2	0.2	0.02	0.4	--	0.3	0.01	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
110-G1	Garden	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.05	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.05	0.04	0.03	0.7	0.3	1	0.2
110-G2	Garden	0.06	0.01	0.2	0.3	0.02	0.5	--	0.3	0.01	0.007	0.001	0.02	0.03	0.002	0.05	--	0.03	0.001	0.2	0.6	0.3	0.4	0.1	2	0.7	3	0.2	0.04	0.2	0.05	0.04	0.03	0.7	0.3	1	0.2
110-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
110-O1	Other -Not Specified	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
110-O2	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.01	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
111-H1	House	0.07	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001	0.2	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
112G	Garden	0.3	0.03	0.3	0.3	0.1	0.6	--	0.7	0.06	0.04	0.002	0.03	0.02	0.01	0.05	--	0.07	0.006	0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.08	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
112-G1	Garden	0.2	0.04	0.3	0.3	0.06	0.4	--	0.5	0.06	0.02	0.004	0.03	0.03	0.006	0.03	--	0.05	0.006	0.3	0.7	0.4	0.3	0.1	1	0.7	3	0.3	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
112-H1	House	0.2	0.04	0.3	0.3	0.05	0.3	--	0.4	0.06	0.02	0.003	0.03	0.03	0.005	0.03	--	0.04	0.006	0.3	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
112-O1	Other -Not Specified	0.3	0.03	0.3	0.3	0.1	0.4	--	0.7	0.1	0.03	0.003	0.03	0.03	0.01	0.04	--	0.07	0.01	0.4	0.6	0.4	0.3	0.2	1	0.7	3	0.3	0.07	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
113-G1	Garden	0.2	0.02	0.3	0.4	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008	0.3	0.6	0.4	0.4	0.2	2	0.7	3	0.3	0.06	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
113-G2	Garden	0.2	0.02	0.3	0.4	0.1	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.008	0.3	0.6	0.4	0.4	0.2	2	0.7	3	0.3	0.06	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
113-G3	Garden	0.1	0.02	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
113low	Other -Not Specified	0.3	0.02	0.3	0.3	0.08	0.6	--	0.8	0.08	0.03	0.002	0.03	0.03	0.008	0.06	--	0.08	0.008	0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
113-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.006	0.04	--	0.05	0.006	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
113up	Other -Not Specified	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.05	0.001	0.02	0.02	0.01	0.06	--	0.1	0.01	0.6	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.09	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
114-G1	Garden	0.1	0.02	0.2	0.4	0.05	0.2	--	0.5	0.09	0.02	0.001	0.02	0.04	0.005	0.02	--	0.05	0.01	0.2	0.6	0.3	0.4	0.1	1	0.7	3	0.3	0.05	0.2	0.05	0.04	0.03	0.6	0.3	1	0.2
114-H1	House	0.2	0.02	0.2	0.5	0.08	0.3	--	0.6	0.1	0.02	0.002	0.02	0.05	0.008	0.03	--	0.06	0.01	0.3	0.6	0.3	0.5	0.2	1	0.7	3	0.3	0.06	0.2	0.05	0.05	0.04	0.6	0.3	1	0.2
114-O1	Other -Not Specified	0.1	0.02	0.2	0.5	0.07	0.3	--	0.6	0.09	0.02	0.002	0.02	0.05	0.007	0.03	--	0.06	0.01	0.2	0.6	0.3	0.5	0.1	1	0.7	3	0.3	0.05	0.2	0.05	0.05	0.04	0.6	0.3	1	0.2
115-O1	Other -Not Specified	0.5	0.03	0.4	0.4	0.1	0.4	--	1	0.06	0.06	0.002	0.03	0.04	0.01	0.03	--	0.1	0.007	0.6	0.6	0.4	0.4	0.2	1	0.7	4	0.3	0.09	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
115SP	Other -Not Specified	0.4	0.02	0.3	0.3	0.2	0.5	--	1	0.1	0.04	0.002	0.02	0.03	0.02	0.05	--	0.1	0.01	0.5	0.6	0.4	0.3	0.3	2	0.7	4	0.3	0.08	0.2	0.06	0.03	0.05	0.7	0.3	1	0.2
116M	House	0.2	0.02	0.2	0.4	0.2	0.2	--	0.7	0.08	0.03	0.001	0.02	0.04	0.02	0.02	--	0.07	0.008	0.3	0.6	0.3	0.4	0.2	1	0.7	4	0.3	0.06	0.2	0.06	0.04	0.04	0.6	0.3	1	0.2
116-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.008	0.002	0.02	0.03	0.004	0.05	--	0.04	0.004	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
117-O1	Other -Not Specified	0.1	0.04	0.4	0.5	0.01	0.5	--	0.4	0.006	0.02	0.003	0.04	0.04	0.001	0.04	--	0.04	0.0006	0.2	0.6	0.5	0.5	0.09	2	0.7	3	0.2	0.05	0.2	0.07	0.05	0.03	0.7	0.3	1	0.2
118-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.5	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.05	--	0.03	0.001	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.04	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
118-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.4	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.04	--	0.02	0.001	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
118-H1	House	0.04	0.01	0.2	0.3	0.01	0.4	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.04	--	0.03	0.001	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
118-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.03	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
118-N2	Animal Activity Area	0.09	0.01	0.2	0.2	0.04	0.6	--	0.3	0.03	0.01	0.001	0.02	0.02	0.004	0.06	--	0.03	0.003	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
119-P1	Play Area	0.3	0.01	0.3	0.3	0.1	0.7	--	0.8	0.09	0.04	0.001	0.02	0.03	0.01	0.07	--	0.09	0.009	0.4	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.08	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
120-A1	Agriculture	0.08	0.03	0.2	0.2	0.03	0.3	--	0.3	0.03	0.009	0.003	0.02	0.02	0.003	0.02	--	0.03	0.003	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.02	0.03	0.6	0.3	1	0.2
120-G1	Garden	0.08	0.03	0.1	0.1	0.04	0.2	--	0.2	0.04	0.009	0.002	0.01	0.01	0.004	0.02	--	0.02	0.004	0.2	0.6	0.2	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.04	0.02	0.03	0.6	0.3	1	0.2
120-H1	House	0.09	0.02	0.2	0.2	0.04	0.2	--	0.3	0.03	0.01	0.002	0.01	0.02	0.004	0.02	--	0.03	0.003	0.2	0.6	0.2	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
120-O1	Other -Not Specified	0.1	0.04	0.2	0.2	0.05	0.3	--	0.3	0.04	0.01	0.004	0.02	0.02	0.005	0.03	--	0.03	0.004	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
121-G1	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.009	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2

Table 5-16. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																		
121-H1	House	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
121-N1	Animal Activity Area	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
121-N2	Animal Activity Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.003	0.04	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
122-G1	Garden	0.07	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
122-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
122-H1	House	0.08	0.02	0.3	0.3	0.04	0.5	--	0.4	0.05	0.009	0.001	0.02	0.03	0.004	0.04	--	0.04	0.005	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
122-H2	House	0.06	0.01	0.2	0.3	0.03	0.4	--	0.3	0.03	0.007	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
122-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.06	0.5	--	0.5	0.06	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.006	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.3	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
122-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.1	0.5	--	0.7	0.1	0.02	0.001	0.02	0.03	0.009	0.04	--	0.07	0.01	0.3	0.6	0.3	0.3	0.2	2	0.7	3	0.3	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
122-P1	Play Area	0.1	0.02	0.2	0.3	0.1	0.6	--	0.7	0.1	0.02	0.001	0.02	0.03	0.01	0.05	--	0.07	0.01	0.2	0.6	0.3	0.3	0.2	2	0.7	3	0.3	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
123-G1	Garden	0.2	0.02	0.3	0.4	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.3	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
123-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
123-H1	House	0.1	0.03	0.3	0.4	0.04	0.7	--	0.4	0.03	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.003	0.2	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
123-O1	Other -Not Specified	0.1	0.02	0.3	0.4	0.03	0.7	--	0.5	0.04	0.01	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004	0.2	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
123-O2	Other -Not Specified	0.2	0.02	0.3	0.4	0.1	0.7	--	0.6	0.1	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.01	0.3	0.6	0.4	0.4	0.2	2	0.7	3	0.3	0.06	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
124-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.007	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.6	0.3	1	0.2
124-G2	Garden	0.2	0.05	0.6	0.4	0.05	0.5	--	0.7	0.05	0.02	0.005	0.06	0.04	0.005	0.05	--	0.07	0.005	0.3	0.7	0.7	0.5	0.1	2	0.7	3	0.2	0.06	0.2	0.09	0.05	0.03	0.7	0.3	1	0.2
124-H1	House	0.1	0.04	0.5	0.5	0.02	0.5	--	0.5	0.03	0.01	0.004	0.05	0.05	0.002	0.05	--	0.05	0.003	0.2	0.7	0.6	0.5	0.1	2	0.7	3	0.2	0.05	0.2	0.08	0.05	0.03	0.7	0.3	1	0.2
124-N1	Animal Activity Area	0.07	0.03	0.3	0.2	0.02	0.2	--	0.3	0.02	0.008	0.003	0.03	0.02	0.002	0.02	--	0.03	0.002	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
124-N2	Animal Activity Area	0.04	0.02	0.2	0.3	0.005	0.3	--	0.3	0.004	0.005	0.002	0.02	0.03	0.0005	0.03	--	0.02	0.0004	0.1	0.6	0.3	0.4	0.08	1	0.7	3	0.2	0.04	0.2	0.06	0.04	0.03	0.6	0.3	1	0.2
124-O1	Other -Not Specified	0.1	0.05	0.6	0.5	0.04	0.6	--	0.6	0.05	0.02	0.004	0.05	0.05	0.004	0.05	--	0.06	0.005	0.2	0.7	0.7	0.5	0.1	2	0.7	3	0.2	0.05	0.2	0.09	0.05	0.03	0.7	0.3	1	0.2
125-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.3	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.04	0.003	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
126-A1	Agriculture	0.07	0.01	0.1	0.2	0.03	0.3	--	0.3	0.03	0.009	0.001	0.01	0.02	0.003	0.03	--	0.03	0.003	0.2	0.6	0.2	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
126-G1	Garden	0.09	0.02	0.2	0.3	0.02	0.3	--	0.4	0.01	0.01	0.001	0.02	0.03	0.002	0.03	--	0.04	0.001	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
126-G2	Garden	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
126-H1	House	0.04	0.01	0.1	0.2	0.01	0.2	--	0.2	0.01	0.005	0.0009	0.01	0.02	0.001	0.02	--	0.02	0.001	0.1	0.6	0.2	0.2	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
126-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.01	0.02	0.002	0.03	--	0.03	0.002	0.2	0.6	0.2	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
126-O2	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.2	--	0.2	0.01	0.006	0.0009	0.01	0.02	0.002	0.02	--	0.02	0.001	0.2	0.6	0.2	0.2	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
126-O3	Other -Not Specified	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.001	0.02	0.03	0.002	0.03	--	0.04	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
126-P1	Play Area	0.06	0.009	0.1	0.2	0.02	0.2	--	0.3	0.01	0.007	0.0008	0.01	0.02	0.002	0.01	--	0.03	0.001	0.2	0.6	0.2	0.2	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
127-A1	Agriculture	0.1	0.02	0.2	0.3	0.08	0.6	--	0.5	0.05	0.02	0.001	0.02	0.03	0.007	0.05	--	0.05	0.005	0.2	0.6	0.3	0.3	0.2	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
127-G1	Garden	0.07	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
127-G2	Garden	0.09	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
127-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
127-H2	House	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
127-N1	Animal Activity Area	0.09	0.01	0.2	0.3	0.06	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
128-G1	Garden	0.2	0.04	0.4	0.4	0.03	0.5	--	0.5	0.02	0.02	0.004	0.04	0.04	0.002	0.04	--	0.05	0.002	0.3	0.7	0.5	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
128-G2	Garden	0.2	0.06	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.005	0.03	0.03	0.003	0.04	--	0.05	0.004	0.3	0.7	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
128-G3	Garden	0.1	0.03	0.3	0.4	0.02	0.5	--	0.5	0.02	0.01	0.002	0.03	0.04	0.002	0.05	--	0.04	0.002	0.2	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
128-N1	Animal Activity Area	0.2	0.03	0.3	0.4	0.05	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.004	0.3	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
128-O1	Other -Not Specified	0.1	0.05	0.3	0.4	0.03	0.5	--	0.5	0.03	0.02	0.005	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	0.7	0.4	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
129-H1	House	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.07	0.02	0.001	0.02	0.03	0.01	0.02	--	0.07	0.007	0.3	0.6	0.3	0.3	0.2	1	0.7	4	0.3	0.06	0.2	0.05	0.03	0.04	0.6	0.3	1	0.2
129-H2	House	0.2	0.01	0.2	0.2	0.1	0.3	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.03	--	0.06	0.008	0.3	0.6	0.3	0.2	0.2	1	0.7	3	0.3	0.06	0.2	0.05	0.03	0.04	0.6	0.3	1	0.2
130-G1	Garden	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.02	0.001	0.1	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
130-H1	House	0.03	0.01	0.2	0.3	0.009	0.2	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
130-H2	House	0.07	0.02	0.2	0.3	0.02	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.04	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
131-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.5	0.05	0.01	0.002	0.02	0.03	0.003	0.03	--	0.05	0.005	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.6	0.3	1	0.2
132-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.2	--	0.3	0.009	0.005	0.001	0.02	0.03	0.001	0.02	--	0.02	0.0009	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
132-G2	Garden	0.04	0.02	0.2	0.3	0.005	0.3	--	0.2	0.004	0.004	0.001	0.02	0.03	0.0005	0.03	--	0.02	0.0004	0.1	0.6	0.3	0.3	0.08	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
132-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	0.6	0.3	0.2	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
132-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.006	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.04	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
133-G1	Garden	0.2	0.02	0.2	0.3	0.07	0.5	--	0.6	0.06	0.02	0.002	0.02	0.03	0.007	0.04	--	0.05	0.006	0.3	0.6	0.3	0.3	0.2	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
133-H1	House	0.1	0.05	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.005	0.02	0.03	0.003	0.03	--	0.04	0.003	0.2	0.7	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
134-O1	Other -Not Specified	0.4	0.01	0.2	0.3	0.2	0.4	--	1	0.1	0.05	0.001	0.02	0.03	0.02	0.04	--	0.1	0.01	0.5	0.6	0.3	0.3	0.3	1	0.7	4	0.3	0.09	0.2	0.06	0.03	0.05	0.7	0.3	1	0.2
135-G1	Garden	0.2	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.05	--	0.05	0.004	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
135-H1	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.6	0.05	0.02	0.002	0.02	0.03	0.004	0.05	--	0.06	0.005	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
135-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.06	--	0.05	0.004	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
136-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
136-G1	Garden	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
136-H1	House	0.06	0.02	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
136-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.07	0.01	0.001	0.01	0.02	0.007	0.03	--	0.04	0.007	0.2	0.6	0.2	0.2	0.2	1	0.7	3	0.3	0.05	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
137-O1	Other -Not Specified	0.07	0.01	0.1	0.2	0.07	0.3	--	0.4	0.07	0.008	0.0009	0.01	0.02	0.006	0.03	--	0.04	0.007	0.2	0.6	0.2	0.2	0.1	1	0.7	3	0.3	0.05	0.2	0.05	0.02	0.04	0.7	0.3	1	0.2
137-O2	Other -Not Specified	0.08	0.01	0.2	0.2	0.05	0.3	--	0.4	0.06	0.009	0.001	0.02	0.02	0.005	0.03	--	0.04	0.006	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
138-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.003	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
138-G2	Garden	0.08	0.03	0.3	0.3	0.04	0.4	--	0.3	0.03	0.009	0.003	0.03	0.03	0.004	0.04	--	0.03	0.003	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
138-H1	House	0.09	0.03	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.002	0.2	0.6	0.4	0.4	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
138-O1	Other -Not Specified	0.06	0.02	0.3	0.4	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.04	0.002	0.04	--	0.03	0.002	0.2	0.6	0.4	0.4	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2

Table 5-16. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																	**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																		
138-O2	Other -Not Specified	0.09	0.04	0.3	0.3	0.03	0.3	--	0.3	0.06	0.01	0.004	0.02	0.02	0.003	0.03	--	0.03	0.006	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
139-G1	Garden	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
139-G2	Garden	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
139-H1	House	0.06	0.01	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
139-N1	Animal Activity Area	0.07	0.01	0.3	0.3	0.03	0.4	--	0.4	0.02	0.008	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
140-G1	Garden	0.4	0.01	0.3	0.3	0.2	0.8	--	0.8	0.09	0.04	0.001	0.02	0.03	0.02	0.07	--	0.08	0.009	0.5	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.08	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
140-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
140-O1	Other -Not Specified	0.6	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.07	0.001	0.02	0.03	0.02	0.05	--	0.1	0.01	0.7	0.6	0.3	0.3	0.3	2	0.7	4	0.3	0.1	0.2	0.05	0.03	0.05	0.7	0.3	1	0.2
140-O2[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
141-A1	Agriculture	0.1	0.03	0.5	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.002	0.2	0.6	0.6	0.5	0.1	2	0.7	3	0.2	0.05	0.2	0.08	0.05	0.03	0.7	0.3	1	0.2
141-H1	House	0.1	0.03	0.4	0.4	0.03	0.4	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	0.2	0.6	0.5	0.4	0.1	1	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
141-H2	House	0.2	0.04	0.5	0.5	0.05	0.6	--	0.5	0.04	0.02	0.003	0.05	0.05	0.005	0.05	--	0.05	0.004	0.3	0.6	0.6	0.5	0.1	2	0.7	3	0.2	0.06	0.2	0.08	0.05	0.03	0.7	0.3	1	0.2
141-H3	House	0.1	0.03	0.4	0.4	0.04	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.003	0.2	0.6	0.5	0.5	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.05	0.03	0.7	0.3	1	0.2
141-N1	Animal Activity Area	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002	0.2	0.6	0.4	0.4	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
141-N2	Animal Activity Area	0.2	0.03	0.5	0.5	0.04	0.6	--	0.5	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.05	0.003	0.3	0.6	0.6	0.5	0.1	2	0.7	3	0.2	0.06	0.2	0.08	0.05	0.03	0.7	0.3	1	0.2
141-N3	Animal Activity Area	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.008	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	0.1	0.6	0.3	0.2	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
141-N4	Animal Activity Area	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	0.2	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
141-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.003	0.2	0.6	0.5	0.5	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.05	0.03	0.7	0.3	1	0.2
142-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.004	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
142-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.004	0.2	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
143-A1	Agriculture	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
143-G1	Garden	0.08	0.01	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
143-G2	Garden	0.08	0.01	0.2	0.2	0.02	0.4	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
143-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
144-G1	Garden	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
144-H1	House	0.2	0.01	0.2	0.3	0.06	0.5	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.04	--	0.06	0.006	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
145-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.009	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
145-H1	House	0.1	0.02	0.3	0.3	0.06	0.6	--	0.6	0.07	0.02	0.002	0.02	0.03	0.006	0.06	--	0.06	0.007	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.3	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
146G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.01	0.01	0.002	0.03	0.03	0.002	0.05	--	0.05	0.001	0.2	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
146-H1	House	0.7	0.01	0.3	0.3	0.4	0.8	--	2	0.6	0.07	0.001	0.02	0.03	0.04	0.07	--	0.2	0.06	0.8	0.6	0.3	0.3	0.5	2	0.7	5	0.8	0.1	0.2	0.06	0.03	0.07	0.7	0.3	1	0.2
147-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
147-G2	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
147-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
148-H1	House	0.04	0.01	0.2	0.3	0.02	0.2	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.002	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
148-O1	Other -Not Specified	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.04	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
148-O3	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.02	--	0.05	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
149-A1	Agriculture	0.2	0.2	1	0.7	0.05	0.7	--	1	0.2	0.02	0.02	0.09	0.06	0.005	0.06	--	0.1	0.02	0.3	0.8	1	0.7	0.1	2	0.7	4	0.4	0.06	0.2	0.1	0.07	0.03	0.7	0.3	1	0.2
149-G1	Garden	0.1	0.09	0.7	0.5	0.05	0.7	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.06	--	0.07	0.008	0.2	0.7	0.8	0.6	0.1	2	0.7	4	0.3	0.05	0.2	0.1	0.06	0.03	0.7	0.3	1	0.2
149-G2	Garden	0.1	0.09	0.7	0.5	0.04	0.6	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.05	--	0.07	0.008	0.2	0.7	0.8	0.5	0.1	2	0.7	4	0.3	0.05	0.2	0.1	0.05	0.03	0.7	0.3	1	0.2
149-H1	House	0.1	0.09	0.7	0.5	0.06	0.6	--	0.7	0.09	0.02	0.009	0.07	0.05	0.005	0.06	--	0.07	0.009	0.2	0.7	0.8	0.5	0.1	2	0.7	4	0.3	0.06	0.2	0.1	0.05	0.03	0.7	0.3	1	0.2
149-N1	Animal Activity Area	0.1	0.07	0.5	0.4	0.03	0.5	--	0.6	0.06	0.01	0.006	0.05	0.04	0.003	0.05	--	0.05	0.006	0.2	0.7	0.6	0.5	0.1	2	0.7	3	0.2	0.05	0.2	0.08	0.05	0.03	0.7	0.3	1	0.2
150-G1	Garden	0.06	0.01	0.2	0.2	0.02	0.3	--	0.3	0.01	0.007	0.001	0.02	0.02	0.002	0.02	--	0.03	0.001	0.2	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
150-H1	House	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
151-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
152-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.004	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
152-H1	House	0.2	0.02	0.3	0.2	0.07	0.4	--	0.5	0.06	0.02	0.002	0.03	0.02	0.007	0.03	--	0.05	0.006	0.3	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
153-G1	Garden	0.2	0.02	0.2	0.3	0.06	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.06	--	0.05	0.004	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
153-H1	House	0.3	0.02	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	0.002	0.03	0.03	0.01	0.06	--	0.08	0.01	0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
153-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.9	--	0.6	0.1	0.02	0.001	0.03	0.03	0.01	0.08	--	0.06	0.01	0.3	0.6	0.4	0.3	0.2	2	0.7	3	0.3	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
153-O2	Other -Not Specified	0.2	0.009	0.1	0.2	0.2	0.5	--	0.6	0.1	0.02	0.0008	0.01	0.02	0.02	0.04	--	0.06	0.01	0.3	0.6	0.2	0.2	0.2	2	0.7	3	0.3	0.06	0.2	0.04	0.02	0.05	0.7	0.3	1	0.2
153-O3	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.7	--	0.7	0.08	0.03	0.002	0.02	0.03	0.01	0.07	--	0.07	0.008	0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
153-O5	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.7	--	0.8	0.09	0.03	0.001	0.02	0.03	0.01	0.07	--	0.08	0.009	0.4	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
153-O6	Other -Not Specified	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.3	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
153-O7	Other -Not Specified	0.3	0.02	0.3	0.3	0.2	0.8	--	0.8	0.1	0.04	0.002	0.02	0.03	0.02	0.07	--	0.08	0.01	0.4	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
153-P1	Play Area	0.3	0.02	0.3	0.3	0.1	0.8	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.07	--	0.09	0.01	0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
154-G1	Garden	0.04	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.005	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.1	0.6	0.4	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
154-H1	House	0.04	0.02	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001	0.1	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.04	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
155-G1	Garden	0.2	0.01	0.2	0.2	0.08	0.5	--	0.5	0.05	0.02	0.001	0.02	0.02	0.007	0.04	--	0.05	0.006	0.3	0.6	0.3	0.3	0.2	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
155-G2	Garden	0.09	0.02	0.2	0.3	0.05	0.3	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
155-H1	House	0.07	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
155-H2	House	0.1	0.01	0.2	0.2	0.07	0.4	--	0.5	0.04	0.01	0.001	0.02	0.02	0.007	0.03	--	0.05	0.004	0.2	0.6	0.3	0.3	0.2	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
155-O2	Other -Not Specified	0.2	0.01	0.2	0.2	0.1	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.04	--	0.06	0.008	0.3	0.6	0.3	0.2	0.2	1	0.7	3	0.3	0.06	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
156-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
156-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005	0.2	0.6	0.3	0.2	0.2	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
157-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
157-H1	House	0.09	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.01	0.002	0.02	0.02	0.004	0.02	--	0.05	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2

Table 5-16. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																		Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																				
157-H2	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.02	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
157-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.02	--	0.03	0.003	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
158-H1	House	0.06	0.02	0.2	0.3	0.02	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.2	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
158-O1	Other -Not Specified	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001	0.1	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
159-G1	Garden	0.1	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
159-H1	House	0.08	0.01	0.2	0.2	0.02	0.2	--	0.3	0.02	0.01	0.001	0.01	0.02	0.002	0.02	--	0.03	0.002	0.2	0.6	0.2	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
159-H2	House	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
159-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
159-O2	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
160-G1	Garden	0.1	0.01	0.2	0.2	0.03	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
160-H1	House	0.09	0.01	0.2	0.3	0.02	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.04	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
160-H2	House	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
161-H1	House	0.1	0.02	0.2	0.3	0.04	0.4	--	0.5	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.005	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
161-N1	Animal Activity Area	0.08	0.01	0.2	0.2	0.03	0.3	--	0.3	0.04	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.004	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
162-H1	House	0.05	0.01	0.2	0.2	0.05	0.2	--	0.3	0.03	0.006	0.0009	0.02	0.02	0.005	0.02	--	0.03	0.003	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
163G	Garden	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.06	0.04	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006	0.4	0.6	0.3	0.3	0.1	2	0.7	4	0.2	0.07	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
163-G1	Garden	0.06	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.007	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
163-O1	Other -Not Specified	0.07	0.01	0.2	0.3	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
164-H1	House	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.006	0.03	--	0.04	0.005	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
165-H1	House	0.1	0.05	0.6	0.5	0.03	0.5	--	0.4	0.02	0.02	0.004	0.06	0.05	0.003	0.05	--	0.04	0.002	0.2	0.7	0.7	0.5	0.1	2	0.7	3	0.2	0.06	0.2	0.09	0.05	0.03	0.7	0.3	1	0.2
165-O1	Other -Not Specified	0.2	0.06	0.9	0.7	0.07	0.7	--	0.5	0.05	0.03	0.005	0.08	0.06	0.007	0.06	--	0.06	0.005	0.3	0.7	0.9	0.7	0.2	2	0.7	3	0.2	0.07	0.2	0.1	0.07	0.04	0.7	0.3	1	0.2
166-O1	Other -Not Specified	0.2	0.01	0.2	0.4	0.1	0.2	--	0.6	0.1	0.02	0.001	0.02	0.03	0.009	0.02	--	0.06	0.01	0.3	0.6	0.3	0.4	0.2	1	0.7	3	0.3	0.06	0.2	0.05	0.04	0.04	0.6	0.3	1	0.2
167-O1	Other -Not Specified	0.08	0.01	0.2	0.3	0.03	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.003	0.02	--	0.04	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
167-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.2	--	0.5	0.04	0.01	0.001	0.02	0.02	0.005	0.02	--	0.05	0.004	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
167-O3	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.6	0.07	0.01	0.001	0.02	0.02	0.008	0.03	--	0.06	0.007	0.2	0.6	0.3	0.3	0.2	1	0.7	3	0.3	0.05	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
167-O4	Other -Not Specified	0.09	0.01	0.2	0.3	0.06	0.3	--	0.6	0.04	0.01	0.001	0.02	0.03	0.005	0.03	--	0.06	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
167-O5	Other -Not Specified	0.1	0.01	0.2	0.3	0.07	0.3	--	0.6	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.06	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.04	0.6	0.3	1	0.2
167-O6	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.5	0.07	0.01	0.001	0.02	0.02	0.008	0.04	--	0.05	0.007	0.2	0.6	0.3	0.3	0.2	1	0.7	3	0.3	0.05	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
167-O7	Other -Not Specified	0.2	0.01	0.2	0.3	0.2	0.4	--	0.8	0.1	0.03	0.001	0.02	0.02	0.02	0.04	--	0.08	0.01	0.3	0.6	0.3	0.3	0.2	1	0.7	4	0.3	0.07	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
167-O8	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.04	0.009	0.001	0.01	0.02	0.008	0.03	--	0.05	0.004	0.2	0.6	0.2	0.3	0.2	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.04	0.6	0.3	1	0.2
167-O9	Other -Not Specified	0.09	0.01	0.2	0.3	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005	0.2	0.6	0.3	0.3	0.2	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
168-G1	Garden	0.04	0.02	0.2	0.3	0.02	0.3	--	0.3	0.03	0.005	0.002	0.02	0.02	0.002	0.03	--	0.03	0.003	0.1	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
168-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.04	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
168-H1	House	0.04	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
168-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.2	0.03	0.006	0.002	0.02	0.02	0.002	0.03	--	0.02	0.003	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
168-O1	Other -Not Specified	0.2	0.05	0.3	0.3	0.09	0.3	--	0.5	0.06	0.02	0.005	0.02	0.03	0.008	0.02	--	0.05	0.006	0.3	0.7	0.3	0.3	0.2	1	0.7	3	0.2	0.06	0.2	0.06	0.03	0.04	0.6	0.3	1	0.2
169A	Other -Not Specified	0.1	0.01	0.2	0.4	0.2	0.2	--	0.5	0.05	0.01	0.001	0.02	0.04	0.02	0.02	--	0.05	0.005	0.2	0.6	0.3	0.4	0.3	1	0.7	3	0.2	0.05	0.2	0.05	0.04	0.05	0.6	0.3	1	0.2
169-G2	Garden	0.06	0.01	0.2	0.3	0.03	0.2	--	0.3	0.02	0.007	0.001	0.02	0.03	0.003	0.02	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
169-G3	Garden	0.08	0.02	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.03	0.002	0.2	0.6	0.4	0.4	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
169-G4	Garden	0.07	0.02	0.2	0.3	0.04	0.3	--	0.3	0.02	0.008	0.001	0.02	0.03	0.004	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
169-H1	House	0.05	0.01	0.2	0.2	0.03	0.3	--	0.2	0.02	0.006	0.001	0.01	0.02	0.002	0.03	--	0.02	0.002	0.1	0.6	0.2	0.2	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
170-G1	Garden	0.08	0.02	0.2	0.3	0.03	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.03	0.002	0.2	0.6	0.3	0.4	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
170-G2	Garden	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.06	0.01	0.001	0.02	0.03	0.006	0.03	--	0.04	0.006	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
170-H1	House	0.07	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
171-A1	Agriculture	0.2	0.04	0.6	0.5	0.07	0.6	--	0.7	0.08	0.02	0.004	0.05	0.05	0.006	0.06	--	0.07	0.009	0.3	0.7	0.6	0.5	0.1	2	0.7	4	0.3	0.06	0.2	0.09	0.05	0.04	0.7	0.3	1	0.2
171-G1	Garden	0.2	0.03	0.5	0.4	0.1	0.7	--	0.8	0.1	0.02	0.003	0.04	0.04	0.01	0.07	--	0.08	0.01	0.3	0.6	0.5	0.5	0.2	2	0.7	4	0.3	0.06	0.2	0.08	0.05	0.04	0.7	0.3	1	0.2
171-H1	House	0.1	0.03	0.3	0.4	0.08	0.4	--	0.6	0.08	0.01	0.002	0.03	0.03	0.007	0.04	--	0.06	0.008	0.2	0.6	0.4	0.4	0.2	1	0.7	3	0.3	0.05	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
172U	Other -Not Specified	0.2	0.02	0.2	0.5	0.08	0.2	--	0.6	0.1	0.02	0.002	0.02	0.05	0.007	0.02	--	0.06	0.01	0.3	0.6	0.3	0.6	0.2	1	0.7	3	0.3	0.06	0.2	0.05	0.06	0.04	0.6	0.3	1	0.2
173-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.009	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
173-G2	Garden	0.05	0.02	0.2	0.3	0.009	0.2	--	0.2	0.006	0.006	0.002	0.02	0.03	0.0008	0.02	--	0.02	0.0006	0.2	0.6	0.3	0.4	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.04	0.03	0.6	0.3	1	0.2
173-G3	Garden	0.1	0.03	0.2	0.4	0.04	0.4	--	0.4	0.03	0.02	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.2	0.6	0.3	0.4	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
173-G4	Garden	0.1	0.03	0.2	0.3	0.05	0.4	--	0.4	0.04	0.02	0.003	0.02	0.03	0.005	0.04	--	0.04	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
173-G5	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.01	0.002	0.03	0.03	0.002	0.03	--	0.03	0.001	0.2	0.6	0.4	0.3	0.09	1	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
173-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.03	--	0.04	0.005	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
173-P1	Play Area	0.1	0.02	0.2	0.3	0.07	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.007	0.03	--	0.05	0.006	0.2	0.6	0.3	0.3	0.2	1	0.7	3	0.3	0.05	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
174-A1	Agriculture	0.1	0.03	0.3	0.3	0.04	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
174-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.8	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.004	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
174-H1	House	0.2	0.03	0.3	0.3	0.09	0.7	--	0.5	0.06	0.02	0.003	0.03	0.03	0.009	0.06	--	0.05	0.006	0.3	0.6	0.4	0.3	0.2	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
174M	House	0.05	0.01	0.2	0.2	0.008	0.2	--	0.2	0.01	0.006	0.001	0.02	0.02	0.0007	0.02	--	0.02	0.001	0.2	0.6	0.3	0.2	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
175-G1	Garden	0.08	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.009	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
175-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.001	0.01	0.02	0.002	0.02	--	0.02	0.001	0.1	0.6	0.2	0.2	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
175-H1	House	0.06	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.007	0.001	0.01	0.02	0.004	0.02	--	0.03	0.003	0.2	0.6	0.2	0.2	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
176-A1	Agriculture	0.08	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
176G	Garden	0.2	0.02	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.005	0.3	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.06	0.2	0.05	0.02	0.03	0.7	0.3	1	0.2
176-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
176-H2	House	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.002	0.03	--	0.04	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
176M	House	0.2	0.01	0.2	0.2	0.07	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.007	0.04	--	0.06	0.008	0.3	0.6	0.3	0.2	0.1	1	0.7	3	0.3	0.06	0.2	0.05	0.02	0.04	0.7	0.3	1	0.2

Table 5-16. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																	**Total HI Across Pathways**																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	**By Target Organ System**																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																			
176-P1	Play Area	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
178-H1	House	0.07	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.002	0.04	--	0.03	0.001	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
179-H1	House	0.1	0.02	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.05	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
180-H1	House	0.3	0.02	0.2	0.3	0.2	0.3	--	0.9	0.06	0.03	0.001	0.02	0.03	0.01	0.03	--	0.09	0.006	0.4	0.6	0.3	0.3	0.2	1	0.7	4	0.3	0.07	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
180-H2[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
180-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.3	0.3	--	1	0.09	0.02	0.001	0.02	0.03	0.02	0.03	--	0.1	0.009	0.3	0.6	0.3	0.3	0.3	1	0.7	4	0.3	0.06	0.2	0.05	0.03	0.05	0.7	0.3	1	0.2
181-A1	Agriculture	0.2	0.02	0.3	0.3	0.05	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
181-G1	Garden	0.2	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.02	0.002	0.02	0.03	0.003	0.04	--	0.04	0.001	0.3	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
181-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
181-H1	House	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.06	0.005	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
181-H2	House	0.3	0.02	0.3	0.3	0.06	0.7	--	0.7	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.004	0.4	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.07	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
181-N1	Animal Activity Area	0.3	0.02	0.3	0.3	0.06	0.8	--	0.7	0.05	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.005	0.4	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.07	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
181-N2	Animal Activity Area	0.2	0.02	0.3	0.3	0.07	0.7	--	0.6	0.05	0.03	0.002	0.03	0.03	0.007	0.07	--	0.06	0.005	0.3	0.6	0.4	0.3	0.2	2	0.7	3	0.2	0.07	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
181-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
182-G1	Garden	0.2	0.04	0.4	0.3	0.08	0.7	--	0.6	0.09	0.02	0.003	0.04	0.03	0.007	0.06	--	0.06	0.009	0.3	0.6	0.5	0.4	0.2	2	0.7	3	0.3	0.06	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
182-G2	Garden	0.3	0.04	0.4	0.4	0.09	0.9	--	0.8	0.09	0.03	0.003	0.04	0.03	0.008	0.08	--	0.08	0.009	0.4	0.6	0.5	0.4	0.2	2	0.7	4	0.3	0.07	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
182-H1	House	0.1	0.03	0.4	0.3	0.06	0.6	--	0.6	0.06	0.01	0.003	0.04	0.03	0.005	0.06	--	0.06	0.006	0.2	0.6	0.5	0.4	0.1	2	0.7	3	0.3	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
182-H2	House	0.1	0.03	0.4	0.4	0.05	0.6	--	0.5	0.06	0.01	0.003	0.04	0.04	0.005	0.05	--	0.05	0.006	0.2	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
182-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.04	0.5	--	0.5	0.05	0.01	0.003	0.04	0.04	0.004	0.05	--	0.05	0.005	0.2	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
182-O2	Other -Not Specified	0.3	0.03	0.4	0.4	0.08	0.9	--	0.7	0.09	0.03	0.003	0.04	0.03	0.007	0.08	--	0.08	0.009	0.4	0.6	0.5	0.4	0.2	2	0.7	4	0.3	0.07	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
182-O3	Other -Not Specified	0.1	0.03	0.3	0.3	0.07	0.6	--	0.6	0.09	0.02	0.003	0.03	0.03	0.006	0.05	--	0.06	0.009	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.3	0.05	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
184-H1	House	0.2	0.01	0.2	0.2	0.08	0.3	--	0.6	0.06	0.02	0.001	0.02	0.02	0.007	0.03	--	0.06	0.006	0.3	0.6	0.3	0.2	0.2	1	0.7	3	0.3	0.06	0.2	0.05	0.02	0.04	0.7	0.3	1	0.2
185-A1	Agriculture	0.1	0.03	0.3	0.3	0.05	0.3	--	0.5	0.03	0.01	0.003	0.02	0.03	0.004	0.03	--	0.05	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
185G	Garden	0.2	0.03	0.5	0.4	0.02	0.5	--	0.6	0.01	0.02	0.002	0.05	0.04	0.002	0.05	--	0.06	0.001	0.3	0.6	0.6	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.08	0.04	0.03	0.7	0.3	1	0.2
185-H1	House	0.09	0.03	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.05	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
186-O1	Other -Not Specified	0.2	0.02	0.2	0.5	0.1	0.3	--	0.6	0.1	0.02	0.001	0.02	0.05	0.01	0.02	--	0.06	0.01	0.3	0.6	0.3	0.5	0.2	1	0.7	3	0.3	0.06	0.2	0.05	0.05	0.04	0.6	0.3	1	0.2
187-H1	House	0.07	0.01	0.2	0.3	0.06	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
188-A1	Agriculture	0.09	0.03	0.3	0.3	0.04	0.6	--	0.4	0.04	0.01	0.003	0.03	0.03	0.004	0.06	--	0.04	0.004	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
188-G1	Garden	0.1	0.03	0.3	0.3	0.06	0.6	--	0.4	0.05	0.01	0.003	0.03	0.03	0.006	0.05	--	0.04	0.005	0.2	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
188-G2	Garden	0.1	0.04	0.4	0.3	0.07	0.7	--	0.5	0.06	0.02	0.004	0.03	0.03	0.007	0.06	--	0.05	0.006	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
188-G3	Garden	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.003	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
188-H1	House	0.06	0.04	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.004	0.03	0.03	0.002	0.04	--	0.03	0.002	0.2	0.7	0.4	0.3	0.1	1	0.7	3	0.2	0.04	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
188-P1	Play Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.002	0.02	0.02	0.003	0.04	--	0.03	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
189-G1	Garden	0.06	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.001	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
189-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.03	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
189-H2	House	0.09	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
189-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	0.3	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.06	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
190-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.007	0.005	0.001	0.02	0.03	0.001	0.03	--	0.03	0.0008	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
190-H1	House	0.04	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.005	0.001	0.02	0.02	0.002	0.03	--	0.02	0.002	0.1	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
190-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.001	0.03	--	0.03	0.001	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
190-N2	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.03	--	0.02	0.001	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
190-N3	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.009	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.0009	0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
190-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
191-H1	House	0.1	0.02	0.3	0.3	0.09	0.4	--	0.5	0.06	0.02	0.002	0.03	0.03	0.008	0.04	--	0.05	0.006	0.2	0.6	0.4	0.3	0.2	1	0.7	3	0.3	0.05	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
192-A1	Agriculture	0.1	0.03	0.3	0.3	0.07	0.3	--	0.5	0.03	0.01	0.003	0.03	0.03	0.006	0.03	--	0.05	0.003	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.04	0.6	0.3	1	0.2
192-G1	Garden	0.1	0.04	0.3	0.4	0.08	0.3	--	0.6	0.03	0.02	0.004	0.03	0.03	0.007	0.03	--	0.06	0.003	0.3	0.7	0.4	0.4	0.2	1	0.7	3	0.2	0.06	0.2	0.06	0.04	0.04	0.6	0.3	1	0.2
192-H1	House	0.1	0.03	0.2	0.3	0.06	0.3	--	0.5	0.02	0.01	0.003	0.02	0.03	0.005	0.02	--	0.05	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
193-G1	Garden	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.008	0.005	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.1	0.6	0.3	0.2	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
193-H1	House	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.0009	0.1	0.6	0.3	0.2	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
194-H1	House	0.03	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	0.6	0.3	0.2	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
194-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
195-G1	Garden	0.1	0.01	0.2	0.2	0.05	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.003	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
195-G2	Garden	0.1	0.01	0.2	0.3	0.09	0.5	--	0.5	0.07	0.02	0.001	0.02	0.03	0.009	0.05	--	0.05	0.007	0.2	0.6	0.3	0.3	0.2	2	0.7	3	0.3	0.05	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
195-O1	Other -Not Specified	0.1	0.01	0.1	0.2	0.1	0.4	--	0.4	0.06	0.01	0.0009	0.01	0.02	0.009	0.04	--	0.04	0.007	0.2	0.6	0.2	0.2	0.2	1	0.7	3	0.3	0.05	0.2	0.05	0.02	0.04	0.7	0.3	1	0.2
196-A1	Agriculture	0.06	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.007	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.04	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
196-A2	Agriculture	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.04	0.008	0.002	0.02	0.02	0.003	0.04	--	0.04	0.004	0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
196-G1	Garden	0.07	0.01	0.2	0.3	0.04	0.4	--	0.5	0.02	0.008	0.001	0.02	0.02	0.003	0.04	--	0.05	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
196-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
197-H1	House	0.1	0.03	0.3	0.4	0.05	0.3	--	0.5	0.04	0.01	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	0.2	0.6	0.4	0.4	0.1	1	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.6	0.3	1	0.2
198-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.6	--	0.4	0.03	0.01	0.002	0.02	0.02	0.004	0.06	--	0.04	0.003	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
198-H1	House	0.1	0.03	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.06	--	0.06	0.005	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
199-G1	Garden	0.04	0.02	0.3	0.4	0.01	0.3	--	0.3	0.006	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.0006	0.1	0.6	0.4	0.4	0.09	1	0.7	3	0.2	0.04	0.2	0.06	0.05	0.03	0.7	0.3	1	0.2
199-O1	Other -Not Specified	0.04	0.02	0.3	0.4	0.02	0.3	--	0.3	0.01	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.001	0.1	0.6	0.4	0.4	0.09	1	0.7	3	0.2	0.04	0.2	0.06	0.04	0.03	0.6	0.3	1	0.2
200-G1	Garden	0.1	0.02	0.4	0.4	0.02	0.7	--	0.5	0.02	0.02	0.002	0.04	0.04	0.002	0.07	--	0.05	0.002	0.2	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
200-H1	House	0.1	0.02	0.4	0.4	0.02	0.6	--	0.4	0.01	0.01	0.002	0.04	0.03	0.002	0.06	--	0.04	0.001	0.2	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
200-O1	Other -Not Specified	0.2	0.03	0.5	0.5	0.02	0.6	--	0.5	0.01	0.02	0.003	0.05	0.05	0.002	0.06	--	0.05	0.001	0.3	0.6	0.6	0.5	0.1	2	0.7	3	0.2	0.06	0.2	0.08	0.05	0.03	0.7	0.3	1	0.2

Table 5-16. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
DU	DU Type																																						
201G[c]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
201-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.1	0.4	--	0.7	0.08	0.03	0.002	0.03	0.04	0.01	0.04	--	0.07	0.008		0.4	0.6	0.4	0.4	0.2	1	0.7	4	0.3	0.07	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
202-H1	House	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004		0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
202-N1	Animal Activity Area	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002		0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
202-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.02	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.002	0.02	--	0.04	0.004		0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
203-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
203-O1[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
203-O2	Other -Not Specified	0.5	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.06	0.001	0.02	0.03	0.02	0.06	--	0.1	0.01		0.6	0.6	0.3	0.3	0.3	2	0.7	4	0.3	0.1	0.2	0.05	0.03	0.05	0.7	0.3	1	0.2
203-O3[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
203-O4[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
205-O1	Other -Not Specified	0.4	0.02	0.2	0.3	0.1	0.2	--	1	0.09	0.04	0.002	0.02	0.03	0.01	0.02	--	0.1	0.009		0.5	0.6	0.3	0.3	0.2	1	0.7	4	0.3	0.08	0.2	0.06	0.03	0.04	0.6	0.3	1	0.2
206-A1	Agriculture	0.1	0.06	0.4	0.3	0.05	0.5	--	0.5	0.05	0.02	0.005	0.04	0.03	0.005	0.04	--	0.05	0.005		0.2	0.7	0.5	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
206-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002		0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
206-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008		0.1	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.04	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
206-H2	House	0.1	0.1	0.7	0.4	0.09	0.6	--	0.7	0.1	0.02	0.01	0.06	0.03	0.008	0.05	--	0.07	0.01		0.2	0.8	0.8	0.4	0.2	2	0.7	3	0.3	0.06	0.2	0.1	0.04	0.04	0.7	0.3	1	0.2
206-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.1	0.6	--	0.9	0.06	0.03	0.003	0.04	0.04	0.01	0.05	--	0.09	0.006		0.3	0.6	0.5	0.4	0.2	2	0.7	4	0.2	0.07	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
207-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004		0.2	0.6	0.2	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.02	0.03	0.6	0.3	1	0.2
208AA	Animal Activity Area	0.2	0.02	0.2	0.2	0.05	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.005		0.3	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
208BM	House	0.2	0.02	0.4	0.3	0.03	0.5	--	0.6	0.03	0.02	0.002	0.04	0.03	0.003	0.04	--	0.06	0.003		0.3	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
208G	Garden	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.06	0.003		0.3	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.08	0.04	0.03	0.7	0.3	1	0.2
208-H1	House	0.3	0.01	0.2	0.3	0.1	0.6	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.06	--	0.08	0.007		0.4	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
209A	Agriculture	0.2	0.02	0.4	0.3	0.05	0.4	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.04	--	0.05	0.005		0.3	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
209-G1	Garden	0.2	0.01	0.2	0.3	0.08	0.6	--	0.7	0.09	0.03	0.001	0.02	0.02	0.008	0.05	--	0.07	0.009		0.3	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
209-H1	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.06	--	0.09	0.01		0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.08	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
209-P1	Play Area	0.4	0.02	0.3	0.3	0.1	0.7	--	1	0.2	0.05	0.002	0.03	0.03	0.01	0.06	--	0.1	0.02		0.5	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.08	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
210-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.003	0.03	--	0.04	0.003		0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
210-O1	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.01	0.02	0.004	0.03	--	0.04	0.004		0.3	0.6	0.2	0.2	0.1	1	0.7	3	0.2	0.06	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
211-A1	Garden	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003		0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
211-G1	Garden	0.1	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002		0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
211-G2	Garden	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002		0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
211-H1	House	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.002	0.04	--	0.04	0.003		0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
211-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.004	0.03	--	0.05	0.005		0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
212-H1	House	0.1	0.02	0.3	0.5	0.1	0.3	--	0.6	0.08	0.01	0.002	0.02	0.05	0.01	0.03	--	0.06	0.008		0.2	0.6	0.3	0.5	0.2	1	0.7	3	0.3	0.05	0.2	0.06	0.05	0.04	0.6	0.3	1	0.2
212-H2	House	0.1	0.01	0.2	0.4	0.05	0.2	--	0.4	0.05	0.02	0.001	0.02	0.03	0.005	0.02	--	0.04	0.005		0.2	0.6	0.3	0.4	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.04	0.03	0.6	0.3	1	0.2
213-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.02	0.6	--	0.5	0.01	0.02	0.003	0.04	0.03	0.002	0.06	--	0.04	0.001		0.3	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
213-O2	Other -Not Specified	0.2	0.03	0.4	0.3	0.04	0.6	--	0.7	0.02	0.02	0.002	0.04	0.03	0.004	0.05	--	0.07	0.002		0.3	0.6	0.5	0.3	0.1	2	0.7	4	0.2	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
213-O3	Other -Not Specified	0.1	0.02	0.4	0.4	0.03	0.3	--	0.5	0.02	0.02	0.002	0.03	0.04	0.003	0.03	--	0.05	0.002		0.2	0.6	0.4	0.5	0.1	1	0.7	3	0.2	0.05	0.2	0.07	0.05	0.03	0.7	0.3	1	0.2
21G	Garden	0.3	0.02	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	0.002	0.02	0.02	0.01	0.05	--	0.08	0.009		0.4	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
226C	House	0.3	0.01	0.2	0.2	0.1	0.3	--	0.9	0.06	0.03	0.001	0.02	0.02	0.01	0.03	--	0.09	0.006		0.4	0.6	0.3	0.2	0.2	1	0.7	4	0.2	0.07	0.2	0.05	0.02	0.04	0.6	0.3	1	0.2
230G	Garden	0.1	0.02	0.2	0.3	0.03	0.2	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.02	--	0.04	0.002		0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
231Lower	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.03	--	0.05	0.004		0.3	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
238G	Garden	0.08	0.02	0.2	0.2	0.01	0.3	--	0.3	0.01	0.009	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001		0.2	0.6	0.3	0.2	0.09	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
238M	Other -Not Specified	0.07	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.008	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001		0.2	0.6	0.3	0.3	0.09	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
280yard	House	0.2	0.02	0.3	0.3	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008		0.3	0.6	0.4	0.3	0.2	2	0.7	3	0.3	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
284M	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004		0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
285M	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.4	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.04	--	0.05	0.004		0.3	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
288G1	Garden	0.1	0.02	0.3	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002		0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
288G2	Garden	0.08	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.002		0.2	0.6	0.4	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
289G3	Garden	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002		0.2	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
317M	Play Area	0.6	0.02	0.4	0.3	0.1	0.4	--	1	0.2	0.06	0.002	0.03	0.03	0.01	0.04	--	0.1	0.02		0.7	0.6	0.5	0.3	0.2	1	0.7	4	0.4	0.1	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
319M[c]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
320new	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.4	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.09	0.01		0.5	0.6	0.5	0.3	0.2	1	0.7	4	0.3	0.08	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
35PA[c]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.03	0.03	0.7	0.3	1	0.2
59A	House	0.3	0.01	0.2	0.2	0.1	0.4	--	0.7	0.1	0.04	0.001	0.02	0.02	0.01	0.04	--	0.07	0.01		0.4	0.6	0.3	0.2	0.2	1	0.7	4	0.3	0.07	0.2	0.05	0.02	0.04	0.7	0.3	1	0.2
62G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.002		0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
72M	Agriculture	0.3	0.03	0.3	0.3	0.09	0.5	--	0.6	0.07	0.03	0.002	0.03	0.03	0.008	0.04	--	0.06	0.007		0.4	0.6	0.4	0.3	0.2	2	0.7	3	0.3	0.07	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
72U	Other -Not Specified	0.2	0.04	0.4	0.4	0.04	0.5	--	0.6	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.06	0.003		0.3	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
94M	Agriculture	0.1	0.02	0.3	0.3	0.03	0.3	--	0.5	0.02	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.002		0.2	0.6	0.4	0.4	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
999G1	Garden	0.2	0.03	0.3	0.3	0.03	0.5	--	0.4	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003		0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
999M1	House	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.05	--	0.04	0.003		0.2	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
999M2	Garden	0.1	0.03	0.5	0.4	0.02	0.5	--	0.4	0.01	0.01	0.003	0.04	0.04	0.002	0.05	--	0.04	0.001		0.2	0.6	0.6	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.08	0.04	0.03	0.7	0.3	1	0.2
999M3	Other -Not Specified	0.2	0.05	0.7	0.6	0.06	1	--	0.8	0.06	0.02	0.004	0.06	0.06	0.006	0.09	--	0.08	0.006		0.3	0.7	0.8	0.6	0.1	2	0.7	4	0.2	0.06	0.2	0.1	0.06	0.03	0.7	0.3	1	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-17. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
Indoor Air		--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																		
Outdoor Air		--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02		**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Northern Pike)		ND	1	NA	NA	0.1	1	NA	1	--	ND	0.4	NA	NA	0.05	0.5	NA	0.5	--																		
Residential Soil/Dust[a]		**Number of DUs that exeed benchmark[c] for Soil/Dust:**									**Number of DUs that exeed benchmark[c] for Soil/Dust:**																												
DU	DU Type	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	588	0	588	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	1	0.4	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.04	0.02	0.05	0.9	NA	0.5	0.2
9	Agriculture	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
13	Other -Not Specified	0.2	0.02	0.3	0.3	0.03	0.6	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
14	Garden	0.2	0.02	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
15	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.02	0.002	0.03	0.02	0.004	0.04	--	0.05	0.003	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.02	0.05	0.9	NA	0.6	0.2
16	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.05	--	0.09	0.01	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
17	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.005	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
18[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	1	0.4	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.04	0.02	0.05	0.9	NA	0.5	0.2
20[b]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	1	0.4	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.04	0.02	0.05	0.9	NA	0.5	0.2
21	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.02	0.02	0.002	0.03	0.02	0.004	0.04	--	0.04	0.002	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.02	0.05	0.9	NA	0.5	0.2
22	House	0.3	0.02	0.3	0.3	0.05	0.4	--	0.6	0.04	0.03	0.001	0.02	0.02	0.004	0.04	--	0.06	0.004	0.3	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
25	House	0.1	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.1	1	0.3	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
27	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
28	Garden	0.07	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.07	1	0.3	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
29	Other -Not Specified	0.09	0.02	0.3	0.3	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.09	1	0.3	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
30	Other -Not Specified	0.2	0.02	0.4	0.3	0.02	0.5	--	0.4	0.01	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.001	0.2	1	0.4	0.3	0.1	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
31	Other -Not Specified	0.2	0.02	0.4	0.3	0.07	0.8	--	0.7	0.07	0.02	0.002	0.03	0.03	0.007	0.07	--	0.07	0.007	0.2	1	0.4	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
33	House	0.2	0.02	0.2	0.2	0.1	0.5	--	0.6	0.05	0.02	0.002	0.02	0.02	0.009	0.04	--	0.06	0.005	0.2	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
35[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	1	0.4	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.04	0.02	0.05	0.9	NA	0.5	0.2
39[b]	Agriculture	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	1	0.4	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.04	0.02	0.05	0.9	NA	0.5	0.2
40[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	1	0.4	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.04	0.02	0.05	0.9	NA	0.5	0.2
42	House	0.09	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.04	0.004	0.09	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
44	Agriculture	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
46	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
47	Agriculture	0.1	0.01	0.2	0.3	0.07	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.007	0.04	--	0.05	0.005	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
49[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	1	0.4	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.04	0.02	0.05	0.9	NA	0.5	0.2
55	House	0.09	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002	0.09	1	0.3	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
56	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.006	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
58	Agriculture	0.09	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.09	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
59	House	0.2	0.01	0.1	0.2	0.09	0.3	--	0.5	0.07	0.02	0.0009	0.01	0.02	0.009	0.03	--	0.05	0.007	0.2	1	0.1	0.2	0.2	2	NA	2	0.3	0.02	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
60	Garden	0.1	0.02	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
61	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.004	0.2	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
62	House	0.1	0.02	0.3	0.3	0.03	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.004	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
66	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.5	--	0.6	0.04	0.02	0.001	0.02	0.03	0.007	0.04	--	0.06	0.004	0.2	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
67	Garden	0.2	0.02	0.3	0.3	0.09	0.5	--	0.6	0.05	0.03	0.002	0.02	0.03	0.008	0.05	--	0.06	0.005	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
70	House	0.2	0.03	0.3	0.3	0.08	0.4	--	0.6	0.06	0.02	0.003	0.03	0.03	0.008	0.04	--	0.06	0.006	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
71	Garden	0.2	0.03	0.3	0.3	0.06	0.4	--	0.5	0.04	0.03	0.003	0.03	0.03	0.005	0.04	--	0.05	0.004	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
72	Garden	0.2	0.04	0.4	0.4	0.08	0.4	--	0.7	0.08	0.03	0.004	0.04	0.04	0.008	0.03	--	0.07	0.008	0.2	1	0.4	0.4	0.2	2	NA	2	0.3	0.03	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
75	House	0.3	0.02	0.3	0.3	0.2	0.7	--	0.9	0.1	0.03	0.001	0.03	0.03	0.02	0.06	--	0.09	0.01	0.3	1	0.3	0.3	0.3	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.07	0.9	NA	0.6	0.2
82	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.1	1	0.3	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
85	House	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.07	1	0.2	0.2	0.1	2	NA	2	0.2	0.007	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
86	Agriculture	0.1	0.02	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.003	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
87	Agriculture	0.09	0.02	0.2	0.2	0.03	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003	0.09	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
106	House	0.4	0.02	0.2	0.3	0.1	0.6	--	0.8	0.07	0.04	0.001	0.02	0.02	0.01	0.05	--	0.08	0.007	0.4	1	0.2	0.3	0.2	2	NA	2	0.3	0.04	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
107	Garden	0.3	0.02	0.3	0.3	0.09	0.6	--	0.6	0.05	0.03	0.002	0.03	0.03	0.008	0.06	--	0.06	0.005	0.3	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
108	Garden	0.3	0.03	0.3	0.3	0.07	0.5	--	0.6	0.05	0.04	0.003	0.02	0.03	0.007	0.04	--	0.06	0.005	0.3	1	0.3	0.3	0.2	2	NA	2	0.2	0.04	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
109[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	1	0.4	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.04	0.02	0.05	0.9	NA	0.5	0.2
110	House	0.1	0.01	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
111	Other -Not Specified	0.1	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
112	House	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.06	0.002	0.03	0.02	0.01	0.05	--	0.1	0.01	0.5	1	0.3	0.3	0.3	2	NA	2	0.3	0.06	0.4	0.03	0.02	0.06	0.9	NA	0.6	0.2
121	House	0.2	0.03	0.5	0.4	0.04	0.8	--	0.7	0.06	0.02	0.003	0.05	0.04	0.004	0.08	--	0.07	0.006	0.2	1	0.5	0.4	0.2	2	NA	2	0.3	0.02	0.4	0.05	0.04	0.05	0.9	NA	0.6	0.2
122	Other -Not Specified	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.03	0.003	0.04	0.04	0.003	0.06	--	0.06	0.003	0.2	1	0.5	0.4	0.2	2	NA	2	0.2	0.03	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
123	House	0.3	0.02	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	0.002	0.03	0.02	0.01	0.05	--	0.08	0.01	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.02	0.06	0.9	NA	0.6	0.2
135	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.004	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
146	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.002	0.05	--	0.05	0.003	0.1	1	0.3	0.3	0.1	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
147	Garden	0.09	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.001	0.03	--	0.03	0.001	0.09	1	0.2	0.2	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
151[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	1	0.4	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.04	0.02	0.05	0.9	NA	0.5	0.2
152	Other -Not Specified	0.2	0.02	0.4	0.3	0.05	0.4	--	0.6	0.07	0.02	0.002	0.03	0.03	0.004	0.04	--	0.06	0.007	0.2	1	0.4	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
154	House	0.06	0.01	0.1	0.2	0.02	0.2	--	0.2	0.02	0.007	0.001	0.01	0.02	0.002	0.02	--	0.02	0.002	0.06	1	0.1	0.2	0.1	2	NA	2	0.2	0.007	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
160	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.05	0.02	0.002	0.03	0.02	0.004	0.05	--	0.05	0.005	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.02	0.05	0.9	NA	0.6	0.2
163	House	0.2	0.02	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.04	--	0.05	0.004	0.2	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2

Table 5-17. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																					
164	Agriculture	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
167	Agriculture	0.1	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	1	0.2	0.2	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
168	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.009	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
169	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.6	--	0.7	0.07	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.007	0.2	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
170[b]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
175	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.02	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004	0.2	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
177	Agriculture	0.3	0.01	0.2	0.2	0.05	0.3	--	0.6	0.05	0.03	0.001	0.02	0.02	0.004	0.03	--	0.06	0.005	0.3	1	0.2	0.2	0.2	2	NA	2	0.2	0.03	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
185	House	0.3	0.02	0.4	0.3	0.06	0.4	--	0.7	0.05	0.03	0.002	0.04	0.03	0.006	0.04	--	0.07	0.005	0.3	1	0.4	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.04	0.03	0.05	0.9	NA	0.6	0.2
186	House	0.2	0.02	0.3	0.2	0.06	0.3	--	0.6	0.06	0.02	0.002	0.02	0.02	0.005	0.03	--	0.06	0.006	0.2	1	0.3	0.2	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
189	House	0.2	0.02	0.3	0.3	0.05	0.5	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.05	--	0.06	0.004	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
192	House	0.2	0.03	0.4	0.3	0.06	0.4	--	0.7	0.06	0.02	0.003	0.04	0.03	0.006	0.04	--	0.07	0.006	0.2	1	0.4	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.04	0.03	0.05	0.9	NA	0.6	0.2
193	House	0.2	0.01	0.2	0.3	0.08	0.3	--	0.6	0.04	0.02	0.001	0.02	0.03	0.008	0.03	--	0.06	0.004	0.2	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
194[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	1	0.4	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.04	0.02	0.05	0.9	NA	0.5	0.2
196[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	1	0.4	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.04	0.02	0.05	0.9	NA	0.5	0.2
201	House	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
203[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	1	0.4	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.04	0.02	0.05	0.9	NA	0.5	0.2
206	House	0.1	0.02	0.3	0.2	0.05	0.3	--	0.5	0.04	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.004	0.1	1	0.3	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
208	Other -Not Specified	0.2	0.02	0.4	0.3	0.1	0.4	--	0.6	0.05	0.02	0.002	0.03	0.03	0.01	0.04	--	0.06	0.005	0.2	1	0.4	0.3	0.3	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
213	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.4	--	0.8	0.09	0.04	0.002	0.02	0.02	0.01	0.04	--	0.08	0.009	0.3	1	0.2	0.3	0.3	2	NA	2	0.3	0.04	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
216	House	0.3	0.01	0.2	0.3	0.1	0.4	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.04	--	0.07	0.007	0.3	1	0.2	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
218[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	1	0.4	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.04	0.02	0.05	0.9	NA	0.5	0.2
229	Play Area	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.07	1	0.2	0.2	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
231	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.004	0.2	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
246	Play Area	0.05	0.02	0.2	0.2	0.01	0.2	--	0.2	0.01	0.006	0.002	0.02	0.02	0.001	0.02	--	0.02	0.001	0.05	1	0.2	0.2	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
249	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
250	House	0.2	0.01	0.2	0.2	0.05	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.005	0.03	--	0.04	0.003	0.2	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
253	House	0.1	0.01	0.2	0.2	0.03	0.2	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
280	Other -Not Specified	0.3	0.02	0.4	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.009	0.05	--	0.07	0.009	0.3	1	0.4	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
287	Agriculture	0.1	0.02	0.3	0.3	0.09	0.6	--	0.6	0.06	0.02	0.001	0.03	0.03	0.008	0.06	--	0.06	0.006	0.1	1	0.3	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
288	House	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002	0.08	1	0.2	0.2	0.1	2	NA	2	0.2	0.009	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
291	Agriculture	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002	0.07	1	0.2	0.2	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
306	Other -Not Specified	0.1	0.01	0.2	0.2	0.02	0.2	--	0.4	0.02	0.01	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	0.1	1	0.2	0.2	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
315	House	0.1	0.02	0.3	0.3	0.01	0.3	--	0.4	0.01	0.01	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.1	1	0.3	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
316	Other -Not Specified	0.1	0.02	0.3	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
317	House	0.3	0.03	0.4	0.3	0.06	0.4	--	0.8	0.07	0.03	0.002	0.03	0.03	0.006	0.03	--	0.08	0.007	0.3	1	0.4	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
318	Other -Not Specified	0.4	0.02	0.3	0.3	0.1	0.4	--	1	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.1	0.01	0.4	1	0.3	0.3	0.2	2	NA	2	0.3	0.04	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
319	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.5	--	1	0.2	0.04	0.002	0.03	0.03	0.01	0.05	--	0.1	0.02	0.4	1	0.4	0.3	0.3	2	NA	2	0.4	0.04	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
325	Garden	0.1	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	1	0.2	0.2	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
326	Other -Not Specified	0.08	0.02	0.2	0.2	0.02	0.2	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	0.08	1	0.2	0.2	0.1	2	NA	2	0.2	0.009	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
327	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.07	1	0.2	0.2	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
345	Play Area	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.003	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
346	Garden	0.2	0.02	0.3	0.3	0.07	0.5	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
347	Other -Not Specified	0.2	0.01	0.3	0.2	0.09	0.4	--	0.7	0.09	0.02	0.001	0.02	0.02	0.009	0.04	--	0.07	0.009	0.2	1	0.3	0.2	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
801	Other -Not Specified	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.06	0.03	0.001	0.01	0.03	0.009	0.02	--	0.07	0.006	0.2	1	0.2	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.01	0.03	0.06	0.9	NA	0.6	0.2
1001	Other -Not Specified	0.3	0.01	0.2	0.4	0.1	0.2	--	0.8	0.1	0.03	0.001	0.02	0.03	0.01	0.02	--	0.08	0.01	0.3	1	0.2	0.4	0.2	2	NA	2	0.3	0.03	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
1005	Garden	0.2	0.02	0.3	0.3	0.05	0.3	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
1006	House	0.1	0.03	0.3	0.3	0.03	0.3	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.03	--	0.04	0.003	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
1007	Garden	0.08	0.03	0.3	0.3	0.02	0.3	--	0.4	0.02	0.009	0.003	0.02	0.03	0.002	0.03	--	0.03	0.002	0.08	1	0.3	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
1008	Agriculture	0.09	0.03	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.003	0.02	0.02	0.004	0.03	--	0.04	0.004	0.09	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
1010	Agriculture	0.1	0.03	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
1011	Agriculture	0.2	0.02	0.1	0.2	0.06	0.2	--	0.4	0.05	0.02	0.001	0.01	0.01	0.006	0.02	--	0.04	0.005	0.2	1	0.1	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.01	0.01	0.05	0.9	NA	0.5	0.2
1015	Garden	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.08	1	0.3	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
1017	Garden	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
1018	Garden	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.07	1	0.2	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
1020	Garden	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.05	0.004	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
1021[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	1	0.4	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.04	0.02	0.05	0.9	NA	0.5	0.2
1030[b]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
1035	Garden	0.2	0.03	0.3	0.3	0.05	0.5	--	0.5	0.04	0.02	0.003	0.03	0.03	0.005	0.05	--	0.05	0.004	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
1036	Play Area	0.1	0.02	0.3	0.3	0.03	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
1037	Garden	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.003	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
1060	House	0.1	0.02	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
3000	House	0.05	0.02	0.2	0.2	0.01	0.2	--	0.3	0.008	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	0.05	1	0.2	0.2	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
3001	Garden	0.3	0.04	0.5	0.5	0.1	0.5	--	1	0.07	0.04	0.003	0.05	0.05	0.01	0.04	--	0.1	0.008	0.3	1	0.5	0.5	0.2	2	NA	2	0.3	0.04	0.4	0.05	0.05	0.06	0.9	NA	0.6	0.2
3003	Other -Not Specified	0.4	0.02	0.4	0.4	0.09	0.4	--	0.9	0.08	0.04	0.002	0.03	0.04	0.008	0.04	--	0.09	0.009	0.4	1	0.4	0.4	0.2	2	NA	2	0.3	0.04	0.4	0.03	0.04	0.05	0.9	NA	0.6	0.2
3004	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
075-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.08	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2

Table 5-17. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																					
075-H1	House	0.1	0.02	0.2	0.3	0.05	0.5	--	0.5	0.05	0.01	0.0001	0.02	0.02	0.005	0.04	--	0.05	0.005		0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
075-O1	Other -Not Specified	0.1	0.02	0.2	0.6	0.08	0.3	--	0.6	0.09	0.02	0.002	0.02	0.05	0.007	0.03	--	0.06	0.009		0.1	1	0.2	0.6	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.05	0.05	0.9	NA	0.6	0.2
076-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004		0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
076-G2	Garden	0.2	0.02	0.3	0.4	0.06	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.005		0.2	1	0.3	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
076-H1	House	0.1	0.02	0.3	0.3	0.04	0.7	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.005		0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
076-H2	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004		0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
076-N1	Animal Activity Area	0.2	0.02	0.3	0.4	0.1	0.6	--	0.5	0.04	0.02	0.002	0.03	0.03	0.009	0.05	--	0.05	0.004		0.2	1	0.3	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
077-A1	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001		0.04	1	0.2	0.2	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
077-A2	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001		0.04	1	0.2	0.2	0.1	2	NA	2	0.2	0.004	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
077-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001		0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
077-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001		0.05	1	0.2	0.2	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
077-H2	House	0.04	0.01	0.2	0.2	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001		0.04	1	0.2	0.2	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
077-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001		0.05	1	0.2	0.2	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
078-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.02	0.002		0.05	1	0.2	0.2	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
078-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.009	0.004	0.001	0.01	0.02	0.0006	0.02	--	0.02	0.0009		0.03	1	0.2	0.2	0.1	2	NA	2	0.2	0.004	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
078-N1	Animal Activity Area	0.04	0.01	0.2	0.2	0.009	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.001		0.04	1	0.2	0.2	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
078-O1	Other -Not Specified	0.04	0.01	0.2	0.3	0.008	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.0008	0.03	--	0.02	0.001		0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
079-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003		0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
079-H2	House	0.2	0.02	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.05	--	0.05	0.004		0.2	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
080-H1	House	0.1	0.04	0.5	0.4	0.02	0.5	--	0.5	0.01	0.02	0.004	0.05	0.03	0.001	0.04	--	0.05	0.001		0.1	1	0.5	0.4	0.1	2	NA	2	0.2	0.02	0.4	0.05	0.03	0.05	0.9	NA	0.6	0.2
081-A1	Agriculture	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002		0.06	1	0.3	0.3	0.1	2	NA	2	0.2	0.007	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
081-H1	House	0.09	0.03	0.4	0.3	0.02	0.4	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.04	--	0.04	0.003		0.09	1	0.4	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.04	0.03	0.05	0.9	NA	0.5	0.2
081-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.05	0.5	--	0.5	0.06	0.01	0.002	0.04	0.04	0.005	0.05	--	0.05	0.006		0.1	1	0.4	0.4	0.2	2	NA	2	0.2	0.01	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
082-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.009	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.0009		0.05	1	0.2	0.2	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
082-G2	Garden	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002		0.07	1	0.2	0.2	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
082-H1	House	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002		0.05	1	0.2	0.2	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
082-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002		0.06	1	0.2	0.2	0.1	2	NA	2	0.2	0.007	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
082-N2	Animal Activity Area	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002		0.07	1	0.2	0.2	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
083-G1	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002		0.09	1	0.3	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
083-G2	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.03	0.002		0.08	1	0.2	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
083-H1	House	0.08	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002		0.08	1	0.3	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
084-H1	House	0.04	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.005	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001		0.04	1	0.3	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
085-H1	House	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002		0.07	1	0.2	0.2	0.1	2	NA	2	0.2	0.009	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
085-O1	Other -Not Specified	0.1	0.02	0.4	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.005	0.04	--	0.04	0.004		0.1	1	0.4	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
085-P1	Play Area	0.2	0.03	0.3	0.3	0.06	0.7	--	0.6	0.06	0.02	0.003	0.03	0.03	0.005	0.07	--	0.06	0.006		0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
086-G1	Garden	0.09	0.01	0.2	0.3	0.03	0.5	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003		0.09	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
086-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002		0.09	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
086-H2	House	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004		0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
087-H1	House	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002		0.08	1	0.2	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
087-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.005		0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
088-H1	House	0.2	0.02	0.3	0.3	0.08	0.7	--	0.8	0.08	0.03	0.002	0.03	0.03	0.007	0.06	--	0.08	0.008		0.2	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
088-H2	House	0.1	0.01	0.2	0.2	0.05	0.4	--	0.5	0.06	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.006		0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
088-O1	Other -Not Specified	0.2	0.01	0.2	0.3	0.06	0.7	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.06	--	0.06	0.006		0.2	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
089-A1	Agriculture	0.1	0.02	0.3	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003		0.1	1	0.3	0.4	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
089-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.004		0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
089-O1	Other -Not Specified	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002		0.08	1	0.2	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
090-H1	House	0.05	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.006	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003		0.05	1	0.2	0.3	0.2	2	NA	2	0.2	0.006	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
090-O2	Other -Not Specified	0.06	0.02	0.3	0.4	0.04	0.5	--	0.5	0.02	0.007	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002		0.06	1	0.3	0.4	0.2	2	NA	2	0.2	0.007	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
091-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.003		0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
091-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002		0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
092-O1	Other -Not Specified	0.08	0.02	0.2	0.2	0.07	0.3	--	0.5	0.06	0.01	0.001	0.02	0.02	0.007	0.02	--	0.05	0.006		0.08	1	0.2	0.2	0.2	2	NA	2	0.3	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
092-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004		0.09	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
093-H1	House	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.002		0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
094-H1	House	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003		0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
094-P1	Play Area	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.06	--	0.05	0.004		0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
095-A1	Agriculture	0.2	0.01	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.007	0.06	--	0.06	0.007		0.2	1	0.2	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
095-H1	House	0.2	0.02	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.02	0.03	0.005	0.05	--	0.06	0.005		0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
095-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.07	0.5	--	0.5	0.06	0.02	0.001	0.02	0.03	0.006	0.05	--	0.05	0.006		0.2	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
095-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.008	0.06	--	0.06	0.007		0.2	1	0.2	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
096-H1	House	0.2	0.02	0.3	0.3	0.08	0.5	--	0.6	0.07	0.02	0.002	0.03	0.03	0.007	0.05	--	0.06	0.007		0.2	1	0.3	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
096-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.09	0.5	--	0.9	0.1	0.03	0.002	0.03	0.03	0.008	0.05	--	0.09	0.01		0.3	1	0.3	0.4	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
097-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.03	--	0.05	0.004		0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
097-H2	House	0.08	0.02	0.2	0.3	0.03	0.2	--	0.6	0.04	0.009	0.002	0.02	0.03	0.003	0.02	--	0.05	0.004		0.08	1	0.2	0.3	0.2	2	NA	2	0.2	0.009	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
098-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001		0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
098-H1	House	0.03	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.004	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001		0.03	1	0.2	0.3	0.1	2	NA	2	0.2	0.004	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
098-O1	Other -Not Specified	0.03	0.01	0.2	0.3	0.01	0.3	--	0.3	0.008	0.004	0.001	0.02	0.03	0.001	0.02	--	0.03	0.0008		0.03	1	0.2	0.3	0.1	2	NA	2	0.2	0.004	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
099-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003		0.08	1	0.3	0.3	0.2	2	NA	2	0.2	0.009	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2

Table 5-17. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
099-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.4	--	0.3	0.03	0.01	0.0001	0.02	0.02	0.003	0.04	--	0.03	0.003	0.09	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
099-H1	House	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.05	0.01	0.0001	0.02	0.02	0.005	0.03	--	0.04	0.005	0.09	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
099-O1	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.005	0.03	--	0.05	0.005	0.09	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
100-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.4	--	0.5	0.02	0.008	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.07	1	0.3	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
100-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.006	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
100-N1	Animal Activity Area	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
100-N2	Animal Activity Area	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
100-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.03	--	0.04	0.004	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
101-G1	Garden	0.09	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.09	1	0.3	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
101-H1	House	0.08	0.02	0.2	0.3	0.05	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.005	0.08	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
101-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.07	0.02	0.002	0.03	0.03	0.006	0.05	--	0.05	0.007	0.1	1	0.3	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
102-G1	Garden	0.09	0.02	0.4	0.4	0.03	0.6	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.09	1	0.4	0.4	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
102-H1	House	0.07	0.03	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.07	1	0.3	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
103-H1	House	0.1	0.01	0.2	0.3	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
103-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.04	--	0.04	0.004	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
104-H1	House	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.05	0.03	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006	0.3	1	0.2	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
104-H2	House	0.2	0.01	0.2	0.3	0.04	0.4	--	0.6	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.06	0.005	0.2	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
104-N1	Animal Activity Area	0.2	0.01	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.004	0.04	--	0.05	0.004	0.2	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
105-H1	House	0.1	0.01	0.1	0.2	0.04	0.3	--	0.3	0.03	0.01	0.0009	0.01	0.02	0.004	0.03	--	0.03	0.003	0.1	1	0.1	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
105-P1	Play Area	0.1	0.007	0.1	0.1	0.09	0.3	--	0.4	0.04	0.01	0.0007	0.009	0.01	0.009	0.02	--	0.04	0.004	0.1	1	0.1	0.1	0.2	2	NA	2	0.2	0.01	0.4	0.009	0.01	0.05	0.9	NA	0.5	0.2
106-G1	Garden	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.006	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001	0.05	1	0.2	0.2	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
106-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001	0.05	1	0.2	0.3	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
106-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.002	0.02	0.03	0.001	0.03	--	0.02	0.001	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
106-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.01	0.3	--	0.3	0.008	0.006	0.002	0.02	0.03	0.001	0.03	--	0.03	0.0008	0.05	1	0.3	0.3	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
107-H1	House	0.08	0.01	0.2	0.2	0.09	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.009	0.04	--	0.05	0.005	0.08	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
108-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.03	--	0.04	0.003	0.09	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
108-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.005	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
108-O2	Other -Not Specified	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.04	--	0.03	0.003	0.07	1	0.2	0.3	0.2	2	NA	2	0.2	0.008	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
109-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
110-A1	Agriculture	0.1	0.01	0.3	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.05	--	0.05	0.004	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
110G	Garden	0.1	0.02	0.2	0.2	0.02	0.4	--	0.3	0.01	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	1	0.2	0.2	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
110-G1	Garden	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.05	--	0.04	0.003	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
110-G2	Garden	0.06	0.01	0.2	0.3	0.02	0.5	--	0.3	0.01	0.007	0.001	0.02	0.03	0.002	0.05	--	0.03	0.001	0.06	1	0.2	0.3	0.1	2	NA	2	0.2	0.007	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
110-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.09	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
110-O1	Other -Not Specified	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.06	1	0.2	0.2	0.1	2	NA	2	0.2	0.007	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
110-O2	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.01	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
111-H1	House	0.07	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001	0.07	1	0.2	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
112G	Garden	0.3	0.03	0.3	0.3	0.1	0.6	--	0.7	0.06	0.04	0.002	0.03	0.02	0.01	0.05	--	0.07	0.006	0.3	1	0.3	0.3	0.3	2	NA	2	0.3	0.04	0.4	0.03	0.02	0.06	0.9	NA	0.6	0.2
112-G1	Garden	0.2	0.04	0.3	0.3	0.06	0.4	--	0.5	0.06	0.02	0.004	0.03	0.03	0.006	0.03	--	0.05	0.006	0.2	1	0.3	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
112-H1	House	0.2	0.04	0.3	0.3	0.05	0.3	--	0.4	0.06	0.02	0.003	0.03	0.03	0.005	0.03	--	0.04	0.006	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
112-O1	Other -Not Specified	0.3	0.03	0.3	0.3	0.1	0.4	--	0.7	0.1	0.03	0.003	0.03	0.03	0.01	0.04	--	0.07	0.01	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
113-G1	Garden	0.2	0.02	0.3	0.4	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008	0.2	1	0.3	0.4	0.2	2	NA	2	0.3	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
113-G2	Garden	0.2	0.02	0.3	0.4	0.1	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.008	0.2	1	0.3	0.4	0.2	2	NA	2	0.3	0.02	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
113-G3	Garden	0.1	0.02	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
113low	Other -Not Specified	0.3	0.02	0.3	0.3	0.08	0.6	--	0.8	0.08	0.03	0.002	0.03	0.03	0.008	0.06	--	0.08	0.008	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
113-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.006	0.04	--	0.05	0.006	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
113up	Other -Not Specified	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.05	0.001	0.02	0.02	0.01	0.06	--	0.1	0.01	0.5	1	0.3	0.3	0.2	2	NA	2	0.3	0.05	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
114-G1	Garden	0.1	0.02	0.2	0.4	0.05	0.2	--	0.5	0.09	0.02	0.001	0.02	0.04	0.005	0.02	--	0.05	0.01	0.1	1	0.2	0.4	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.04	0.05	0.9	NA	0.6	0.2
114-H1	House	0.2	0.02	0.2	0.5	0.08	0.3	--	0.6	0.1	0.02	0.002	0.02	0.05	0.008	0.03	--	0.06	0.01	0.2	1	0.2	0.5	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.05	0.05	0.9	NA	0.6	0.2
114-O1	Other -Not Specified	0.1	0.02	0.2	0.5	0.07	0.3	--	0.6	0.09	0.02	0.002	0.02	0.05	0.007	0.03	--	0.06	0.01	0.1	1	0.2	0.5	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.05	0.05	0.9	NA	0.6	0.2
115-O1	Other -Not Specified	0.5	0.03	0.4	0.4	0.1	0.4	--	1	0.06	0.06	0.002	0.03	0.04	0.01	0.03	--	0.1	0.007	0.5	1	0.4	0.4	0.2	2	NA	3	0.3	0.06	0.4	0.03	0.04	0.06	0.9	NA	0.6	0.2
115SP	Other -Not Specified	0.4	0.02	0.3	0.3	0.2	0.5	--	1	0.1	0.04	0.002	0.02	0.03	0.02	0.05	--	0.1	0.01	0.4	1	0.3	0.3	0.3	2	NA	2	0.3	0.04	0.4	0.02	0.03	0.07	0.9	NA	0.6	0.2
116M	House	0.2	0.02	0.2	0.4	0.2	0.2	--	0.7	0.08	0.03	0.001	0.02	0.04	0.02	0.02	--	0.07	0.008	0.2	1	0.2	0.4	0.3	2	NA	2	0.3	0.03	0.4	0.02	0.04	0.06	0.9	NA	0.6	0.2
116-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.008	0.002	0.02	0.03	0.004	0.05	--	0.04	0.004	0.07	1	0.3	0.3	0.2	2	NA	2	0.2	0.008	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
117-O1	Other -Not Specified	0.1	0.04	0.4	0.5	0.01	0.5	--	0.4	0.006	0.02	0.003	0.04	0.04	0.001	0.04	--	0.04	0.0006	0.1	1	0.4	0.5	0.1	2	NA	2	0.2	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.5	0.2
118-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.5	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.05	--	0.03	0.001	0.06	1	0.3	0.3	0.1	2	NA	2	0.2	0.007	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
118-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.4	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.04	--	0.02	0.001	0.04	1	0.2	0.2	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
118-H1	House	0.04	0.01	0.2	0.3	0.01	0.4	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.04	--	0.03	0.001	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
118-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.03	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.06	1	0.2	0.2	0.1	2	NA	2	0.2	0.007	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
118-N2	Animal Activity Area	0.09	0.01	0.2	0.2	0.04	0.6	--	0.3	0.03	0.01	0.001	0.02	0.02	0.004	0.06	--	0.03	0.003	0.09	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
119-P1	Play Area	0.3	0.01	0.3	0.3	0.1	0.7	--	0.8	0.09	0.04	0.001	0.02	0.03	0.01	0.07	--	0.09	0.009	0.3	1	0.3	0.3	0.3	2	NA	2	0.3	0.04	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
120-A1	Agriculture	0.08	0.03	0.2	0.2	0.03	0.3	--	0.3	0.03	0.009	0.003	0.02	0.02	0.003	0.02	--	0.03	0.003	0.08	1	0.2	0.2	0.2	2	NA	2	0.2	0.009	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
120-G1	Garden	0.08	0.03	0.1	0.1	0.04	0.2	--	0.2	0.04	0.009	0.002	0.01	0.01	0.004	0.02	--	0.02	0.004	0.08	1	0.1	0.1	0.2	2	NA	2	0.2	0.009	0.4	0.01	0.01	0.05	0.9	NA	0.5	0.2
120-H1	House	0.09	0.02	0.2	0.2	0.04	0.2	--	0.3	0.03	0.01	0.002	0.01	0.02	0.004	0.02	--	0.03	0.003	0.09	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
120-O1	Other -Not Specified	0.1	0.04	0.2	0.2	0.05	0.3	--	0.3	0.04	0.01	0.004	0.02	0.02	0.005	0.03	--	0.03	0.004	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
121-G1	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.009	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001	0.08	1	0.2	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2

Table 5-17. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
121-H1	House	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002	0.07	1	0.2	0.3	0.2	2	NA	2	0.2	0.009	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
121-N1	Animal Activity Area	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001	0.06	1	0.2	0.3	0.1	2	NA	2	0.2	0.007	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
121-N2	Animal Activity Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.003	0.04	--	0.03	0.002	0.07	1	0.2	0.3	0.2	2	NA	2	0.2	0.008	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
122-G1	Garden	0.07	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003	0.07	1	0.2	0.2	0.2	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
122-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.09	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
122-H1	House	0.08	0.02	0.3	0.3	0.04	0.5	--	0.4	0.05	0.009	0.001	0.02	0.03	0.004	0.04	--	0.04	0.005	0.08	1	0.3	0.3	0.2	2	NA	2	0.2	0.009	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
122-H2	House	0.06	0.01	0.2	0.3	0.03	0.4	--	0.3	0.03	0.007	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003	0.06	1	0.2	0.3	0.2	2	NA	2	0.2	0.007	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
122-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.06	0.5	--	0.5	0.06	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.006	0.1	1	0.2	0.3	0.2	2	NA	2	0.3	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
122-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.1	0.5	--	0.7	0.1	0.02	0.001	0.02	0.03	0.009	0.04	--	0.07	0.01	0.2	1	0.2	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
122-P1	Play Area	0.1	0.02	0.2	0.3	0.1	0.6	--	0.7	0.1	0.02	0.001	0.02	0.03	0.01	0.05	--	0.07	0.01	0.1	1	0.2	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
123-G1	Garden	0.2	0.02	0.3	0.4	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.2	1	0.3	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
123-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
123-H1	House	0.1	0.03	0.3	0.4	0.04	0.7	--	0.4	0.03	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.003	0.1	1	0.3	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
123-O1	Other -Not Specified	0.1	0.02	0.3	0.4	0.03	0.7	--	0.5	0.04	0.01	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004	0.1	1	0.3	0.4	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
123-O2	Other -Not Specified	0.2	0.02	0.3	0.4	0.1	0.7	--	0.6	0.1	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.01	0.2	1	0.3	0.4	0.2	2	NA	2	0.3	0.02	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
124-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.007	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002	0.06	1	0.3	0.3	0.1	2	NA	2	0.2	0.007	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
124-G2	Garden	0.2	0.05	0.6	0.4	0.05	0.5	--	0.7	0.05	0.02	0.005	0.06	0.04	0.005	0.05	--	0.07	0.005	0.2	1	0.6	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.06	0.04	0.05	0.9	NA	0.6	0.2
124-H1	House	0.1	0.04	0.5	0.5	0.02	0.5	--	0.5	0.03	0.01	0.004	0.05	0.05	0.002	0.05	--	0.05	0.003	0.1	1	0.5	0.5	0.1	2	NA	2	0.2	0.01	0.4	0.05	0.05	0.05	0.9	NA	0.6	0.2
124-N1	Animal Activity Area	0.07	0.03	0.3	0.2	0.02	0.2	--	0.3	0.02	0.008	0.003	0.03	0.02	0.002	0.02	--	0.03	0.002	0.07	1	0.3	0.2	0.1	2	NA	2	0.2	0.008	0.4	0.03	0.02	0.05	0.9	NA	0.5	0.2
124-N2	Animal Activity Area	0.04	0.02	0.2	0.3	0.005	0.3	--	0.3	0.004	0.005	0.002	0.02	0.03	0.0005	0.03	--	0.02	0.0004	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
124-O1	Other -Not Specified	0.1	0.05	0.6	0.5	0.04	0.6	--	0.6	0.05	0.02	0.004	0.05	0.05	0.004	0.05	--	0.06	0.005	0.1	1	0.6	0.5	0.2	2	NA	2	0.2	0.02	0.4	0.05	0.05	0.05	0.9	NA	0.6	0.2
125-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.3	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.04	0.003	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
126-A1	Agriculture	0.07	0.01	0.1	0.2	0.03	0.3	--	0.3	0.03	0.009	0.001	0.01	0.02	0.003	0.03	--	0.03	0.003	0.07	1	0.1	0.2	0.2	2	NA	2	0.2	0.009	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
126-G1	Garden	0.09	0.02	0.2	0.3	0.02	0.3	--	0.4	0.01	0.01	0.001	0.02	0.03	0.002	0.03	--	0.04	0.001	0.09	1	0.2	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
126-G2	Garden	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.07	1	0.2	0.2	0.1	2	NA	2	0.2	0.009	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
126-H1	House	0.04	0.01	0.1	0.2	0.01	0.2	--	0.2	0.01	0.005	0.0009	0.01	0.02	0.001	0.02	--	0.02	0.001	0.04	1	0.1	0.2	0.1	2	NA	2	0.2	0.005	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
126-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.01	0.02	0.002	0.03	--	0.03	0.002	0.07	1	0.2	0.2	0.1	2	NA	2	0.2	0.008	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
126-O2	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.2	--	0.2	0.01	0.006	0.0009	0.01	0.02	0.002	0.02	--	0.02	0.001	0.05	1	0.2	0.2	0.1	2	NA	2	0.2	0.006	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
126-O3	Other -Not Specified	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.001	0.02	0.03	0.002	0.03	--	0.04	0.002	0.07	1	0.2	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
126-P1	Play Area	0.06	0.009	0.1	0.2	0.02	0.2	--	0.3	0.01	0.007	0.0008	0.01	0.02	0.002	0.01	--	0.03	0.001	0.06	1	0.1	0.2	0.1	2	NA	2	0.2	0.007	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
127-A1	Agriculture	0.1	0.02	0.2	0.3	0.08	0.6	--	0.5	0.05	0.02	0.001	0.02	0.03	0.007	0.05	--	0.05	0.005	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
127-G1	Garden	0.07	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.07	1	0.2	0.3	0.2	2	NA	2	0.2	0.009	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
127-G2	Garden	0.09	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.09	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
127-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.004	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
127-H2	House	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002	0.06	1	0.2	0.3	0.1	2	NA	2	0.2	0.007	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
127-N1	Animal Activity Area	0.09	0.01	0.2	0.3	0.06	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.004	0.09	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
128-G1	Garden	0.2	0.04	0.4	0.4	0.03	0.5	--	0.5	0.02	0.02	0.004	0.04	0.04	0.002	0.04	--	0.05	0.002	0.2	1	0.4	0.4	0.1	2	NA	2	0.2	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
128-G2	Garden	0.2	0.06	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.005	0.03	0.03	0.003	0.04	--	0.05	0.004	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
128-G3	Garden	0.1	0.03	0.3	0.4	0.02	0.5	--	0.5	0.02	0.01	0.002	0.03	0.04	0.002	0.05	--	0.04	0.002	0.1	1	0.3	0.4	0.1	2	NA	2	0.2	0.01	0.4	0.03	0.04	0.05	0.9	NA	0.5	0.2
128-N1	Animal Activity Area	0.2	0.03	0.3	0.4	0.05	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.004	0.2	1	0.3	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
128-O1	Other -Not Specified	0.1	0.05	0.3	0.4	0.03	0.5	--	0.5	0.03	0.02	0.005	0.03	0.03	0.003	0.05	--	0.05	0.003	0.1	1	0.3	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
129-H1	House	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.07	0.02	0.001	0.02	0.03	0.01	0.02	--	0.07	0.007	0.2	1	0.2	0.3	0.3	2	NA	2	0.3	0.02	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
129-H2	House	0.2	0.01	0.2	0.2	0.1	0.3	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.03	--	0.06	0.008	0.2	1	0.2	0.2	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
130-G1	Garden	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.02	0.001	0.05	1	0.2	0.2	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
130-H1	House	0.03	0.01	0.2	0.3	0.009	0.2	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.03	1	0.2	0.3	0.1	2	NA	2	0.2	0.004	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
130-H2	House	0.07	0.02	0.2	0.3	0.02	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.04	0.002	0.07	1	0.2	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
131-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.5	0.05	0.01	0.002	0.02	0.03	0.003	0.03	--	0.05	0.005	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
132-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.2	--	0.3	0.009	0.005	0.001	0.02	0.03	0.001	0.02	--	0.02	0.0009	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
132-G2	Garden	0.04	0.02	0.2	0.3	0.005	0.3	--	0.2	0.004	0.004	0.001	0.02	0.03	0.0005	0.03	--	0.02	0.0004	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.004	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
132-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.05	1	0.2	0.2	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
132-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.006	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001	0.05	1	0.3	0.3	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
133-G1	Garden	0.2	0.02	0.2	0.3	0.07	0.5	--	0.6	0.06	0.02	0.002	0.02	0.03	0.007	0.04	--	0.05	0.006	0.2	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
133-H1	House	0.1	0.05	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.005	0.02	0.03	0.003	0.03	--	0.04	0.003	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
134-O1	Other -Not Specified	0.4	0.01	0.2	0.3	0.2	0.4	--	1	0.1	0.05	0.001	0.02	0.03	0.02	0.04	--	0.1	0.01	0.4	1	0.2	0.3	0.3	2	NA	2	0.3	0.05	0.4	0.02	0.03	0.07	0.9	NA	0.6	0.2
135-G1	Garden	0.2	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.05	--	0.05	0.004	0.2	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
135-H1	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.6	0.05	0.02	0.002	0.02	0.03	0.004	0.05	--	0.06	0.005	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
135-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.06	--	0.05	0.004	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
136-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002	0.07	1	0.2	0.3	0.2	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
136-G1	Garden	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.06	1	0.2	0.3	0.1	2	NA	2	0.2	0.007	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
136-H1	House	0.06	0.02	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002	0.06	1	0.2	0.2	0.2	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
136-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.07	0.01	0.001	0.01	0.02	0.007	0.03	--	0.04	0.007	0.08	1	0.2	0.2	0.2	2	NA	2	0.3	0.01	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
137-O1	Other -Not Specified	0.07	0.01	0.1	0.2	0.07	0.3	--	0.4	0.07	0.008	0.0009	0.01	0.02	0.006	0.03	--	0.04	0.007	0.07	1	0.1	0.2	0.2	2	NA	2	0.3	0.008	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
137-O2	Other -Not Specified	0.08	0.01	0.2	0.2	0.05	0.3	--	0.4	0.06	0.009	0.001	0.02	0.02	0.005	0.03	--	0.04	0.006	0.08	1	0.2	0.2	0.2	2	NA	2	0.2	0.009	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
138-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.003	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
138-G2	Garden	0.08	0.03	0.3	0.3	0.04	0.4	--	0.3	0.03	0.009	0.003	0.03	0.03	0.004	0.04	--	0.03	0.003	0.08	1	0.3	0.3	0.2	2	NA	2	0.2	0.009	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
138-H1	House	0.09	0.03	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.002	0.09	1	0.3	0.4	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
138-O1	Other -Not Specified	0.06	0.02	0.3	0.4	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.04	0.002	0.04	--	0.03	0.002	0.06	1	0.3	0.4	0.1	2	NA	2	0.2	0.007	0.4	0.03	0.04	0.05	0.9	NA	0.5	0.2

Table 5-17. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
138-O2	Other -Not Specified	0.09	0.04	0.3	0.3	0.03	0.3	--	0.3	0.06	0.01	0.004	0.02	0.02	0.003	0.03	--	0.03	0.006	0.09	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
139-G1	Garden	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.08	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
139-G2	Garden	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.002	0.07	1	0.3	0.3	0.2	2	NA	2	0.2	0.009	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
139-H1	House	0.06	0.01	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.06	1	0.3	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
139-N1	Animal Activity Area	0.07	0.01	0.3	0.3	0.03	0.4	--	0.4	0.02	0.008	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.07	1	0.3	0.3	0.2	2	NA	2	0.2	0.008	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
140-G1	Garden	0.4	0.01	0.3	0.3	0.2	0.8	--	0.8	0.09	0.04	0.001	0.02	0.03	0.02	0.07	--	0.08	0.009	0.4	1	0.3	0.3	0.3	2	NA	2	0.3	0.04	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
140-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
140-O1	Other -Not Specified	0.6	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.07	0.001	0.02	0.03	0.02	0.05	--	0.1	0.01	0.6	1	0.2	0.3	0.3	2	NA	3	0.3	0.07	0.4	0.02	0.03	0.07	0.9	NA	0.6	0.2
140-O2[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
141-A1	Agriculture	0.1	0.03	0.5	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.002	0.1	1	0.5	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.5	0.2
141-H1	House	0.1	0.03	0.4	0.4	0.03	0.4	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	0.1	1	0.4	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.5	0.2
141-H2	House	0.2	0.04	0.5	0.5	0.05	0.6	--	0.5	0.04	0.02	0.003	0.05	0.05	0.005	0.05	--	0.05	0.004	0.2	1	0.5	0.5	0.2	2	NA	2	0.2	0.02	0.4	0.05	0.05	0.05	0.9	NA	0.6	0.2
141-H3	House	0.1	0.03	0.4	0.4	0.04	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.003	0.1	1	0.4	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.5	0.2
141-N1	Animal Activity Area	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002	0.08	1	0.3	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
141-N2	Animal Activity Area	0.2	0.03	0.5	0.5	0.04	0.6	--	0.5	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.05	0.003	0.2	1	0.5	0.5	0.2	2	NA	2	0.2	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
141-N3	Animal Activity Area	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.008	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	0.05	1	0.2	0.2	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
141-N4	Animal Activity Area	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	0.1	1	0.4	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.5	0.2
141-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.003	0.1	1	0.4	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.5	0.2
142-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.004	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
142-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.004	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
143-A1	Agriculture	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.08	1	0.2	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
143-G1	Garden	0.08	0.01	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.08	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
143-G2	Garden	0.08	0.01	0.2	0.2	0.02	0.4	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.08	1	0.2	0.2	0.1	2	NA	2	0.2	0.009	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
143-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003	0.09	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
144-G1	Garden	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
144-H1	House	0.2	0.01	0.2	0.3	0.06	0.5	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.04	--	0.06	0.006	0.2	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
145-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.009	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.07	1	0.2	0.3	0.2	2	NA	2	0.2	0.009	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
145-H1	House	0.1	0.02	0.3	0.3	0.06	0.6	--	0.6	0.07	0.02	0.002	0.02	0.03	0.006	0.06	--	0.06	0.007	0.1	1	0.3	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
146G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.01	0.01	0.002	0.03	0.03	0.002	0.05	--	0.05	0.001	0.1	1	0.3	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
146-H1	House	0.7	0.01	0.3	0.3	0.4	0.8	--	2	0.6	0.07	0.001	0.02	0.03	0.04	0.07	--	0.2	0.06	0.7	1	0.3	0.3	0.5	2	NA	4	0.8	0.07	0.4	0.02	0.03	0.08	0.9	NA	0.7	0.2
147-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.06	1	0.3	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
147-G2	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
147-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.08	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
148-H1	House	0.04	0.01	0.2	0.3	0.02	0.2	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.002	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
148-O1	Other -Not Specified	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.06	1	0.2	0.3	0.1	2	NA	2	0.2	0.007	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
148-O3	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.02	--	0.05	0.004	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
149-A1	Agriculture	0.2	0.2	1	0.7	0.05	0.7	--	1	0.2	0.02	0.02	0.09	0.06	0.005	0.06	--	0.1	0.02	0.2	1	1	0.7	0.2	2	NA	2	0.4	0.02	0.4	0.09	0.06	0.05	0.9	NA	0.6	0.2
149-G1	Garden	0.1	0.09	0.7	0.5	0.05	0.7	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.06	--	0.07	0.008	0.1	1	0.7	0.5	0.2	2	NA	2	0.3	0.02	0.4	0.07	0.05	0.05	0.9	NA	0.6	0.2
149-G2	Garden	0.1	0.09	0.7	0.5	0.04	0.6	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.05	--	0.07	0.008	0.1	1	0.7	0.5	0.2	2	NA	2	0.3	0.02	0.4	0.07	0.05	0.05	0.9	NA	0.6	0.2
149-H1	House	0.1	0.09	0.7	0.5	0.06	0.6	--	0.7	0.09	0.02	0.009	0.07	0.05	0.005	0.06	--	0.07	0.009	0.1	1	0.7	0.5	0.2	2	NA	2	0.3	0.02	0.4	0.07	0.05	0.05	0.9	NA	0.6	0.2
149-N1	Animal Activity Area	0.1	0.07	0.5	0.4	0.03	0.5	--	0.6	0.06	0.01	0.006	0.05	0.04	0.003	0.05	--	0.05	0.006	0.1	1	0.5	0.4	0.2	2	NA	2	0.2	0.01	0.4	0.05	0.04	0.05	0.9	NA	0.6	0.2
150-G1	Garden	0.06	0.01	0.2	0.2	0.02	0.3	--	0.3	0.01	0.007	0.001	0.02	0.02	0.002	0.02	--	0.03	0.001	0.06	1	0.2	0.2	0.1	2	NA	2	0.2	0.007	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
150-H1	House	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.05	1	0.2	0.2	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
151-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.004	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
152-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.004	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
152-H1	House	0.2	0.02	0.3	0.2	0.07	0.4	--	0.5	0.06	0.02	0.002	0.03	0.02	0.007	0.03	--	0.05	0.006	0.2	1	0.3	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.02	0.05	0.9	NA	0.6	0.2
153-G1	Garden	0.2	0.02	0.2	0.3	0.06	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.06	--	0.05	0.004	0.2	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
153-H1	House	0.3	0.02	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	0.002	0.03	0.03	0.01	0.06	--	0.08	0.01	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
153-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.9	--	0.6	0.1	0.02	0.001	0.03	0.03	0.01	0.08	--	0.06	0.01	0.2	1	0.3	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
153-O2	Other -Not Specified	0.2	0.009	0.1	0.2	0.2	0.5	--	0.6	0.1	0.02	0.0008	0.01	0.02	0.02	0.04	--	0.06	0.01	0.2	1	0.1	0.2	0.3	2	NA	2	0.3	0.02	0.4	0.01	0.02	0.06	0.9	NA	0.6	0.2
153-O3	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.7	--	0.7	0.08	0.03	0.002	0.02	0.03	0.01	0.07	--	0.07	0.008	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
153-O5	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.7	--	0.8	0.09	0.03	0.001	0.02	0.03	0.01	0.07	--	0.08	0.009	0.3	1	0.2	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
153-O6	Other -Not Specified	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
153-O7	Other -Not Specified	0.3	0.02	0.3	0.3	0.2	0.8	--	0.8	0.1	0.04	0.002	0.02	0.03	0.02	0.07	--	0.08	0.01	0.3	1	0.3	0.3	0.3	2	NA	2	0.3	0.04	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
153-P1	Play Area	0.3	0.02	0.3	0.3	0.1	0.8	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.07	--	0.09	0.01	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
154-G1	Garden	0.04	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.005	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.04	1	0.3	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
154-H1	House	0.04	0.02	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001	0.04	1	0.2	0.2	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
155-G1	Garden	0.2	0.01	0.2	0.2	0.08	0.5	--	0.5	0.05	0.02	0.001	0.02	0.02	0.007	0.04	--	0.05	0.006	0.2	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
155-G2	Garden	0.09	0.02	0.2	0.3	0.05	0.3	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.04	0.003	0.09	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
155-H1	House	0.07	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.07	1	0.2	0.2	0.2	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
155-H2	House	0.1	0.01	0.2	0.2	0.07	0.4	--	0.5	0.04	0.01	0.001	0.02	0.02	0.007	0.03	--	0.05	0.004	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
155-O2	Other -Not Specified	0.2	0.01	0.2	0.2	0.1	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.04	--	0.06	0.008	0.2	1	0.2	0.2	0.3	2	NA	2	0.3	0.02	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
156-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.08	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
156-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
157-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.07	1	0.3	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
157-H1	House	0.09	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.01	0.002	0.02	0.02	0.004	0.02	--	0.05	0.004	0.09	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2

Table 5-17. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
157-H2	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.02	--	0.04	0.003	0.07	1	0.2	0.3	0.2	2	NA	2	0.2	0.009	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
157-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.02	--	0.03	0.003	0.07	1	0.2	0.2	0.2	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
158-H1	House	0.06	0.02	0.2	0.3	0.02	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.06	1	0.2	0.3	0.1	2	NA	2	0.2	0.007	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
158-O1	Other -Not Specified	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001	0.05	1	0.2	0.3	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
159-G1	Garden	0.1	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.1	1	0.2	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
159-H1	House	0.08	0.01	0.2	0.2	0.02	0.2	--	0.3	0.02	0.01	0.001	0.01	0.02	0.002	0.02	--	0.03	0.002	0.08	1	0.2	0.2	0.1	2	NA	2	0.2	0.01	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
159-H2	House	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
159-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.07	1	0.2	0.2	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
159-O2	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.07	1	0.2	0.2	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
160-G1	Garden	0.1	0.01	0.2	0.2	0.03	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
160-H1	House	0.09	0.01	0.2	0.3	0.02	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.04	0.002	0.09	1	0.2	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
160-H2	House	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002	0.08	1	0.2	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
161-H1	House	0.1	0.02	0.2	0.3	0.04	0.4	--	0.5	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.005	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
161-N1	Animal Activity Area	0.08	0.01	0.2	0.2	0.03	0.3	--	0.3	0.04	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.004	0.08	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
162-H1	House	0.05	0.01	0.2	0.2	0.05	0.2	--	0.3	0.03	0.006	0.0009	0.02	0.02	0.005	0.02	--	0.03	0.003	0.05	1	0.2	0.2	0.2	2	NA	2	0.2	0.006	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
163G	Garden	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.06	0.04	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006	0.3	1	0.2	0.3	0.2	2	NA	2	0.2	0.04	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
163-G1	Garden	0.06	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.007	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.06	1	0.2	0.2	0.2	2	NA	2	0.2	0.007	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
163-O1	Other -Not Specified	0.07	0.01	0.2	0.3	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.07	1	0.2	0.3	0.2	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
164-H1	House	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.006	0.03	--	0.04	0.005	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
165-H1	House	0.1	0.05	0.6	0.5	0.03	0.5	--	0.4	0.02	0.02	0.004	0.06	0.05	0.003	0.05	--	0.04	0.002	0.1	1	0.6	0.5	0.2	2	NA	2	0.2	0.02	0.4	0.06	0.05	0.05	0.9	NA	0.5	0.2
165-O1	Other -Not Specified	0.2	0.06	0.9	0.7	0.07	0.7	--	0.5	0.05	0.03	0.005	0.08	0.06	0.007	0.06	--	0.06	0.005	0.2	1	0.9	0.7	0.2	2	NA	2	0.2	0.03	0.4	0.08	0.06	0.05	0.9	NA	0.6	0.2
166-O1	Other -Not Specified	0.2	0.01	0.2	0.4	0.1	0.2	--	0.6	0.1	0.02	0.001	0.02	0.03	0.009	0.02	--	0.06	0.01	0.2	1	0.2	0.4	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
167-O1	Other -Not Specified	0.08	0.01	0.2	0.3	0.03	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.003	0.02	--	0.04	0.004	0.08	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
167-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.2	--	0.5	0.04	0.01	0.001	0.02	0.02	0.005	0.02	--	0.05	0.004	0.09	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
167-O3	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.6	0.07	0.01	0.001	0.02	0.02	0.008	0.03	--	0.06	0.007	0.1	1	0.2	0.3	0.2	2	NA	2	0.3	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
167-O4	Other -Not Specified	0.09	0.01	0.2	0.3	0.06	0.3	--	0.6	0.04	0.01	0.001	0.02	0.03	0.005	0.03	--	0.06	0.004	0.09	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
167-O5	Other -Not Specified	0.1	0.01	0.2	0.3	0.07	0.3	--	0.6	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.06	0.004	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
167-O6	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.5	0.07	0.01	0.001	0.02	0.02	0.008	0.04	--	0.05	0.007	0.1	1	0.2	0.3	0.2	2	NA	2	0.3	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
167-O7	Other -Not Specified	0.2	0.01	0.2	0.3	0.2	0.4	--	0.8	0.1	0.03	0.001	0.02	0.02	0.02	0.04	--	0.08	0.01	0.2	1	0.2	0.3	0.3	2	NA	2	0.3	0.03	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
167-O8	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.04	0.009	0.001	0.01	0.02	0.008	0.03	--	0.05	0.004	0.08	1	0.2	0.2	0.2	2	NA	2	0.2	0.009	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
167-O9	Other -Not Specified	0.09	0.01	0.2	0.3	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005	0.09	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
168-G1	Garden	0.04	0.02	0.2	0.3	0.02	0.3	--	0.3	0.03	0.005	0.002	0.02	0.02	0.002	0.03	--	0.03	0.003	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
168-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.05	1	0.2	0.3	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
168-H1	House	0.04	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.004	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
168-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.2	0.03	0.006	0.002	0.02	0.02	0.002	0.03	--	0.02	0.003	0.05	1	0.2	0.2	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
168-O1	Other -Not Specified	0.2	0.05	0.3	0.3	0.09	0.3	--	0.5	0.06	0.02	0.005	0.02	0.03	0.008	0.02	--	0.05	0.006	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
169A	Other -Not Specified	0.1	0.01	0.2	0.4	0.2	0.2	--	0.5	0.05	0.01	0.001	0.02	0.04	0.02	0.02	--	0.05	0.005	0.1	1	0.2	0.4	0.3	2	NA	2	0.2	0.01	0.4	0.02	0.04	0.06	0.9	NA	0.6	0.2
169-G2	Garden	0.06	0.01	0.2	0.3	0.03	0.2	--	0.3	0.02	0.007	0.001	0.02	0.03	0.003	0.02	--	0.03	0.002	0.06	1	0.2	0.3	0.2	2	NA	2	0.2	0.007	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
169-G3	Garden	0.08	0.02	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.03	0.002	0.08	1	0.3	0.4	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
169-G4	Garden	0.07	0.02	0.2	0.3	0.04	0.3	--	0.3	0.02	0.008	0.001	0.02	0.03	0.004	0.03	--	0.03	0.002	0.07	1	0.2	0.3	0.2	2	NA	2	0.2	0.008	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
169-H1	House	0.05	0.01	0.2	0.2	0.03	0.3	--	0.2	0.02	0.006	0.001	0.01	0.02	0.002	0.03	--	0.02	0.002	0.05	1	0.2	0.2	0.1	2	NA	2	0.2	0.006	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
170-G1	Garden	0.08	0.02	0.2	0.3	0.03	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.03	0.002	0.08	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
170-G2	Garden	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.06	0.01	0.001	0.02	0.03	0.006	0.03	--	0.04	0.006	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
170-H1	House	0.07	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003	0.07	1	0.2	0.3	0.2	2	NA	2	0.2	0.008	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
171-A1	Agriculture	0.2	0.04	0.6	0.5	0.07	0.6	--	0.7	0.08	0.02	0.004	0.05	0.05	0.006	0.06	--	0.07	0.009	0.2	1	0.6	0.5	0.2	2	NA	2	0.3	0.02	0.4	0.05	0.05	0.05	0.9	NA	0.6	0.2
171-G1	Garden	0.2	0.03	0.5	0.4	0.1	0.7	--	0.8	0.1	0.02	0.003	0.04	0.04	0.01	0.07	--	0.08	0.01	0.2	1	0.5	0.4	0.2	2	NA	2	0.3	0.02	0.4	0.04	0.04	0.06	0.9	NA	0.6	0.2
171-H1	House	0.1	0.03	0.3	0.4	0.08	0.4	--	0.6	0.08	0.01	0.002	0.03	0.03	0.007	0.04	--	0.06	0.008	0.1	1	0.3	0.4	0.2	2	NA	2	0.3	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
172U	Other -Not Specified	0.2	0.02	0.2	0.5	0.08	0.2	--	0.6	0.1	0.02	0.002	0.02	0.05	0.007	0.02	--	0.06	0.01	0.2	1	0.2	0.5	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.05	0.05	0.9	NA	0.6	0.2
173-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.009	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.07	1	0.2	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
173-G2	Garden	0.05	0.02	0.2	0.3	0.009	0.2	--	0.2	0.006	0.006	0.002	0.02	0.03	0.0008	0.02	--	0.02	0.0006	0.05	1	0.2	0.3	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
173-G3	Garden	0.1	0.03	0.2	0.4	0.04	0.4	--	0.4	0.03	0.02	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.1	1	0.2	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
173-G4	Garden	0.1	0.03	0.2	0.3	0.05	0.4	--	0.4	0.04	0.02	0.003	0.02	0.03	0.005	0.04	--	0.04	0.004	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
173-G5	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.01	0.002	0.03	0.03	0.002	0.03	--	0.03	0.001	0.09	1	0.3	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
173-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.03	--	0.04	0.005	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
173-P1	Play Area	0.1	0.02	0.2	0.3	0.07	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.007	0.03	--	0.05	0.006	0.1	1	0.2	0.3	0.2	2	NA	2	0.3	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
174-A1	Agriculture	0.1	0.03	0.3	0.3	0.04	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
174-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.8	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.004	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
174-H1	House	0.2	0.03	0.3	0.3	0.09	0.7	--	0.5	0.06	0.02	0.003	0.03	0.03	0.009	0.06	--	0.05	0.006	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
174M	House	0.05	0.01	0.2	0.2	0.008	0.2	--	0.2	0.01	0.006	0.001	0.02	0.02	0.0007	0.02	--	0.02	0.001	0.05	1	0.2	0.2	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
175-G1	Garden	0.08	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.009	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.08	1	0.2	0.2	0.2	2	NA	2	0.2	0.009	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
175-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.001	0.01	0.02	0.002	0.02	--	0.02	0.001	0.04	1	0.2	0.2	0.1	2	NA	2	0.2	0.005	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
175-H1	House	0.06	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.007	0.001	0.01	0.02	0.004	0.02	--	0.03	0.003	0.06	1	0.2	0.2	0.2	2	NA	2	0.2	0.007	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
176-A1	Agriculture	0.08	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.08	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
176G	Garden	0.2	0.02	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.005	0.2	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
176-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.07	1	0.2	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
176-H2	House	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.002	0.03	--	0.04	0.002	0.07	1	0.2	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
176M	House	0.2	0.01	0.2	0.2	0.07	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.007	0.04	--	0.06	0.008	0.2	1	0.2	0.2	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2

Table 5-17. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
176-P1	Play Area	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.07	1	0.2	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
178-H1	House	0.07	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.002	0.04	--	0.03	0.001	0.07	1	0.3	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
179-H1	House	0.1	0.02	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.05	--	0.04	0.003	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
180-H1	House	0.3	0.02	0.2	0.3	0.2	0.3	--	0.9	0.06	0.03	0.001	0.02	0.03	0.01	0.03	--	0.09	0.006	0.3	1	0.2	0.3	0.3	2	NA	2	0.3	0.03	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
180-H2[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
180-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.3	0.3	--	1	0.09	0.02	0.001	0.02	0.03	0.02	0.03	--	0.1	0.009	0.2	1	0.2	0.3	0.4	2	NA	2	0.3	0.02	0.4	0.02	0.03	0.07	0.9	NA	0.6	0.2
181-A1	Agriculture	0.2	0.02	0.3	0.3	0.05	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
181-G1	Garden	0.2	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.02	0.002	0.02	0.03	0.003	0.04	--	0.04	0.001	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
181-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
181-H1	House	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.06	0.005	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
181-H2	House	0.3	0.02	0.3	0.3	0.06	0.7	--	0.7	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.004	0.3	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
181-N1	Animal Activity Area	0.3	0.02	0.3	0.3	0.06	0.8	--	0.7	0.05	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.005	0.3	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
181-N2	Animal Activity Area	0.2	0.02	0.3	0.3	0.07	0.7	--	0.6	0.05	0.03	0.002	0.03	0.03	0.007	0.07	--	0.06	0.005	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
181-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
182-G1	Garden	0.2	0.04	0.4	0.3	0.08	0.7	--	0.6	0.09	0.02	0.003	0.04	0.03	0.007	0.06	--	0.06	0.009	0.2	1	0.4	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.04	0.03	0.05	0.9	NA	0.6	0.2
182-G2	Garden	0.3	0.04	0.4	0.4	0.09	0.9	--	0.8	0.09	0.03	0.003	0.04	0.03	0.008	0.08	--	0.08	0.009	0.3	1	0.4	0.4	0.2	3	NA	2	0.3	0.03	0.4	0.04	0.03	0.05	0.9	NA	0.6	0.2
182-H1	House	0.1	0.03	0.4	0.3	0.06	0.6	--	0.6	0.06	0.01	0.003	0.04	0.03	0.005	0.06	--	0.06	0.006	0.1	1	0.4	0.3	0.2	2	NA	2	0.3	0.01	0.4	0.04	0.03	0.05	0.9	NA	0.6	0.2
182-H2	House	0.1	0.03	0.4	0.4	0.05	0.6	--	0.5	0.06	0.01	0.003	0.04	0.04	0.005	0.05	--	0.05	0.006	0.1	1	0.4	0.4	0.2	2	NA	2	0.2	0.01	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
182-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.04	0.5	--	0.5	0.05	0.01	0.003	0.04	0.04	0.004	0.05	--	0.05	0.005	0.1	1	0.4	0.4	0.2	2	NA	2	0.2	0.01	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
182-O2	Other -Not Specified	0.3	0.03	0.4	0.4	0.08	0.9	--	0.7	0.09	0.03	0.003	0.04	0.03	0.007	0.08	--	0.08	0.009	0.3	1	0.4	0.4	0.2	3	NA	2	0.3	0.03	0.4	0.04	0.03	0.05	0.9	NA	0.6	0.2
182-O3	Other -Not Specified	0.1	0.03	0.3	0.3	0.07	0.6	--	0.6	0.09	0.02	0.003	0.03	0.03	0.006	0.05	--	0.06	0.009	0.1	1	0.3	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
184-H1	House	0.2	0.01	0.2	0.2	0.08	0.3	--	0.6	0.06	0.02	0.001	0.02	0.02	0.007	0.03	--	0.06	0.006	0.2	1	0.2	0.2	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
185-A1	Agriculture	0.1	0.03	0.3	0.3	0.05	0.3	--	0.5	0.03	0.01	0.003	0.02	0.03	0.004	0.03	--	0.05	0.003	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
185G	Garden	0.2	0.03	0.5	0.4	0.02	0.5	--	0.6	0.01	0.02	0.002	0.05	0.04	0.002	0.05	--	0.06	0.001	0.2	1	0.5	0.4	0.1	2	NA	2	0.2	0.02	0.4	0.05	0.04	0.05	0.9	NA	0.6	0.2
185-H1	House	0.09	0.03	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.05	0.003	0.09	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
186-O1	Other -Not Specified	0.2	0.02	0.2	0.5	0.1	0.3	--	0.6	0.1	0.02	0.001	0.02	0.05	0.01	0.02	--	0.06	0.01	0.2	1	0.2	0.5	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.05	0.06	0.9	NA	0.6	0.2
187-H1	House	0.07	0.01	0.2	0.3	0.06	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005	0.07	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
188-A1	Agriculture	0.09	0.03	0.3	0.3	0.04	0.6	--	0.4	0.04	0.01	0.003	0.03	0.03	0.004	0.06	--	0.04	0.004	0.09	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
188-G1	Garden	0.1	0.03	0.3	0.3	0.06	0.6	--	0.4	0.05	0.01	0.003	0.03	0.03	0.006	0.05	--	0.04	0.005	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
188-G2	Garden	0.1	0.04	0.4	0.3	0.07	0.7	--	0.5	0.06	0.02	0.004	0.03	0.03	0.007	0.06	--	0.05	0.006	0.1	1	0.4	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
188-G3	Garden	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.003	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
188-H1	House	0.06	0.04	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.004	0.03	0.03	0.002	0.04	--	0.03	0.002	0.06	1	0.3	0.3	0.1	2	NA	2	0.2	0.007	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
188-P1	Play Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.002	0.02	0.02	0.003	0.04	--	0.03	0.003	0.07	1	0.2	0.3	0.2	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
189-G1	Garden	0.06	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.001	0.06	1	0.3	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
189-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.03	--	0.04	0.003	0.07	1	0.2	0.3	0.2	2	NA	2	0.2	0.009	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
189-H2	House	0.09	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	0.09	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
189-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	0.2	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
190-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.007	0.005	0.001	0.02	0.03	0.001	0.03	--	0.03	0.0008	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
190-H1	House	0.04	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.005	0.001	0.02	0.02	0.002	0.03	--	0.02	0.002	0.04	1	0.2	0.2	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
190-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.001	0.03	--	0.03	0.001	0.05	1	0.2	0.3	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
190-N2	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.03	--	0.02	0.001	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
190-N3	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.009	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.0009	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
190-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.07	1	0.3	0.3	0.2	2	NA	2	0.2	0.009	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
191-H1	House	0.1	0.02	0.3	0.3	0.09	0.4	--	0.5	0.06	0.02	0.002	0.03	0.03	0.008	0.04	--	0.05	0.006	0.1	1	0.3	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
192-A1	Agriculture	0.1	0.03	0.3	0.3	0.07	0.3	--	0.5	0.03	0.01	0.003	0.03	0.03	0.006	0.03	--	0.05	0.003	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
192-G1	Garden	0.1	0.04	0.3	0.4	0.08	0.3	--	0.6	0.03	0.02	0.004	0.03	0.03	0.007	0.03	--	0.06	0.003	0.1	1	0.3	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
192-H1	House	0.1	0.03	0.2	0.3	0.06	0.3	--	0.5	0.02	0.01	0.003	0.02	0.03	0.005	0.02	--	0.05	0.002	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
193-G1	Garden	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.008	0.005	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.04	1	0.2	0.2	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
193-H1	House	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.0009	0.04	1	0.2	0.2	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
194-H1	House	0.03	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.03	1	0.2	0.2	0.1	2	NA	2	0.2	0.004	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
194-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.05	1	0.2	0.3	0.1	2	NA	2	0.2	0.006	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
195-G1	Garden	0.1	0.01	0.2	0.2	0.05	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.003	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
195-G2	Garden	0.1	0.01	0.2	0.3	0.09	0.5	--	0.5	0.07	0.02	0.001	0.02	0.03	0.009	0.05	--	0.05	0.007	0.1	1	0.2	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
195-O1	Other -Not Specified	0.1	0.01	0.1	0.2	0.1	0.4	--	0.4	0.06	0.01	0.0009	0.01	0.02	0.009	0.04	--	0.04	0.007	0.1	1	0.1	0.2	0.2	2	NA	2	0.3	0.01	0.4	0.01	0.02	0.06	0.9	NA	0.5	0.2
196-A1	Agriculture	0.06	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.007	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002	0.06	1	0.2	0.3	0.2	2	NA	2	0.2	0.007	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
196-A2	Agriculture	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.04	0.008	0.002	0.02	0.02	0.003	0.04	--	0.04	0.004	0.07	1	0.3	0.3	0.2	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
196-G1	Garden	0.07	0.01	0.2	0.3	0.04	0.4	--	0.5	0.02	0.008	0.001	0.02	0.02	0.003	0.04	--	0.05	0.002	0.07	1	0.2	0.3	0.2	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
196-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.07	1	0.2	0.2	0.2	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
197-H1	House	0.1	0.03	0.3	0.4	0.05	0.3	--	0.5	0.04	0.01	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	0.1	1	0.3	0.4	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
198-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.6	--	0.4	0.03	0.01	0.002	0.02	0.02	0.004	0.06	--	0.04	0.003	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
198-H1	House	0.1	0.03	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.06	--	0.06	0.005	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
199-G1	Garden	0.04	0.02	0.3	0.4	0.01	0.3	--	0.3	0.006	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.0006	0.04	1	0.3	0.4	0.1	2	NA	2	0.2	0.005	0.4	0.03	0.04	0.05	0.9	NA	0.5	0.2
199-O1	Other -Not Specified	0.04	0.02	0.3	0.4	0.02	0.3	--	0.3	0.01	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.001	0.04	1	0.3	0.4	0.1	2	NA	2	0.2	0.005	0.4	0.03	0.04	0.05	0.9	NA	0.5	0.2
200-G1	Garden	0.1	0.02	0.4	0.4	0.02	0.7	--	0.5	0.02	0.02	0.002	0.04	0.04	0.002	0.07	--	0.05	0.002	0.1	1	0.4	0.4	0.1	2	NA	2	0.2	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
200-H1	House	0.1	0.02	0.4	0.4	0.02	0.6	--	0.4	0.01	0.01	0.002	0.04	0.03	0.002	0.06	--	0.04	0.001	0.1	1	0.4	0.4	0.1	2	NA	2	0.2	0.01	0.4	0.04	0.03	0.05	0.9	NA	0.5	0.2
200-O1	Other -Not Specified	0.2	0.03	0.5	0.5	0.02	0.6	--	0.5	0.01	0.02	0.003	0.05	0.05	0.002	0.06	--	0.05	0.001	0.2	1	0.5	0.5	0.1	2	NA	2	0.2	0.02	0.4	0.05	0.05	0.05	0.9	NA	0.6	0.2

Table 5-17. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																		
201G[c]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	1	0.4	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.04	0.02	0.05	0.9	NA	0.5	0.2
201-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.1	0.4	--	0.7	0.08	0.03	0.002	0.03	0.04	0.01	0.04	--	0.07	0.008	0.3	1	0.3	0.4	0.3	2	NA	2	0.3	0.03	0.4	0.03	0.04	0.06	0.9	NA	0.6	0.2
202-H1	House	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
202-N1	Animal Activity Area	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002	0.07	1	0.2	0.2	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
202-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.02	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.002	0.02	--	0.04	0.004	0.1	1	0.2	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
203-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
203-O1[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
203-O2	Other -Not Specified	0.5	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.06	0.001	0.02	0.03	0.02	0.06	--	0.1	0.01	0.5	1	0.2	0.3	0.4	2	NA	3	0.3	0.06	0.4	0.02	0.03	0.07	0.9	NA	0.6	0.2
203-O3[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
203-O4[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.005	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
205-O1	Other -Not Specified	0.4	0.02	0.2	0.3	0.1	0.2	--	1	0.09	0.04	0.002	0.02	0.03	0.01	0.02	--	0.1	0.009	0.4	1	0.2	0.3	0.2	2	NA	2	0.3	0.04	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
206-A1	Agriculture	0.1	0.06	0.4	0.3	0.05	0.5	--	0.5	0.05	0.02	0.005	0.04	0.03	0.005	0.04	--	0.05	0.005	0.1	1	0.4	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.04	0.03	0.05	0.9	NA	0.6	0.2
206-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.07	1	0.2	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
206-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.04	1	0.2	0.3	0.1	2	NA	2	0.2	0.004	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
206-H2	House	0.1	0.1	0.7	0.4	0.09	0.6	--	0.7	0.1	0.02	0.01	0.06	0.03	0.008	0.05	--	0.07	0.01	0.1	1	0.7	0.4	0.2	2	NA	2	0.3	0.02	0.4	0.06	0.03	0.05	0.9	NA	0.6	0.2
206-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.1	0.6	--	0.9	0.06	0.03	0.003	0.04	0.04	0.01	0.05	--	0.09	0.006	0.2	1	0.4	0.4	0.2	2	NA	2	0.2	0.03	0.4	0.04	0.04	0.06	0.9	NA	0.6	0.2
207-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.08	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
208AA	Animal Activity Area	0.2	0.02	0.2	0.2	0.05	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.005	0.2	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
208BM	House	0.2	0.02	0.4	0.3	0.03	0.5	--	0.6	0.03	0.02	0.002	0.04	0.03	0.003	0.04	--	0.06	0.003	0.2	1	0.4	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.04	0.03	0.05	0.9	NA	0.6	0.2
208G	Garden	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.06	0.003	0.2	1	0.5	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
208-H1	House	0.3	0.01	0.2	0.3	0.1	0.6	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.06	--	0.08	0.007	0.3	1	0.2	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
209A	Agriculture	0.2	0.02	0.4	0.3	0.05	0.4	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.04	--	0.05	0.005	0.2	1	0.4	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
209-G1	Garden	0.2	0.01	0.2	0.3	0.08	0.6	--	0.7	0.09	0.03	0.001	0.02	0.02	0.008	0.05	--	0.07	0.009	0.2	1	0.2	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
209-H1	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.06	--	0.09	0.01	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.04	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
209-P1	Play Area	0.4	0.02	0.3	0.3	0.1	0.7	--	1	0.2	0.05	0.002	0.03	0.03	0.01	0.06	--	0.1	0.02	0.4	1	0.3	0.3	0.3	2	NA	2	0.3	0.05	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
210-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.003	0.03	--	0.04	0.003	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
210-O1	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.01	0.02	0.004	0.03	--	0.04	0.004	0.2	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.01	0.02	0.05	0.9	NA	0.5	0.2
211-A1	Garden	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
211-G1	Garden	0.1	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.1	1	0.3	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
211-G2	Garden	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
211-H1	House	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.002	0.04	--	0.04	0.003	0.08	1	0.3	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
211-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.004	0.03	--	0.05	0.005	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
212-H1	House	0.1	0.02	0.3	0.5	0.1	0.3	--	0.6	0.08	0.01	0.002	0.02	0.05	0.01	0.03	--	0.06	0.008	0.1	1	0.3	0.5	0.2	2	NA	2	0.3	0.01	0.4	0.02	0.05	0.06	0.9	NA	0.6	0.2
212-H2	House	0.1	0.01	0.2	0.4	0.05	0.2	--	0.4	0.05	0.02	0.001	0.02	0.03	0.005	0.02	--	0.04	0.005	0.1	1	0.2	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
213-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.02	0.6	--	0.5	0.01	0.02	0.003	0.04	0.03	0.002	0.06	--	0.04	0.001	0.2	1	0.4	0.4	0.1	2	NA	2	0.2	0.02	0.4	0.04	0.03	0.05	0.9	NA	0.5	0.2
213-O2	Other -Not Specified	0.2	0.03	0.4	0.3	0.04	0.6	--	0.7	0.02	0.02	0.002	0.04	0.03	0.004	0.05	--	0.07	0.002	0.2	1	0.4	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.04	0.03	0.05	0.9	NA	0.6	0.2
213-O3	Other -Not Specified	0.1	0.02	0.4	0.4	0.03	0.3	--	0.5	0.02	0.02	0.002	0.03	0.04	0.003	0.03	--	0.05	0.002	0.1	1	0.4	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.04	0.05	0.9	NA	0.5	0.2
21G	Garden	0.3	0.02	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	0.002	0.02	0.02	0.01	0.05	--	0.08	0.009	0.3	1	0.2	0.3	0.3	2	NA	2	0.3	0.03	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
226C	House	0.3	0.01	0.2	0.2	0.1	0.3	--	0.9	0.06	0.03	0.001	0.02	0.02	0.01	0.03	--	0.09	0.006	0.3	1	0.2	0.2	0.3	2	NA	2	0.2	0.03	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
230G	Garden	0.1	0.02	0.2	0.3	0.03	0.2	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.02	--	0.04	0.002	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
231Lower	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.03	--	0.05	0.004	0.2	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
238G	Garden	0.08	0.02	0.2	0.2	0.01	0.3	--	0.3	0.01	0.009	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.08	1	0.2	0.2	0.1	2	NA	2	0.2	0.009	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
238M	Other -Not Specified	0.07	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.008	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.07	1	0.2	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
280yard	House	0.2	0.02	0.3	0.3	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008	0.2	1	0.3	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
284M	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
285M	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.4	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.04	--	0.05	0.004	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
288G1	Garden	0.1	0.02	0.3	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
288G2	Garden	0.08	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.002	0.08	1	0.3	0.3	0.1	2	NA	2	0.2	0.008	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
289G3	Garden	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002	0.08	1	0.2	0.2	0.1	2	NA	2	0.2	0.009	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
317M	Play Area	0.6	0.02	0.4	0.3	0.1	0.4	--	1	0.2	0.06	0.002	0.03	0.03	0.01	0.04	--	0.1	0.02	0.6	1	0.4	0.3	0.3	2	NA	3	0.4	0.06	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
319M[c]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	1	0.4	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.04	0.02	0.05	0.9	NA	0.5	0.2
320new	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.4	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.09	0.01	0.4	1	0.4	0.3	0.3	2	NA	2	0.3	0.04	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
35PA[c]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	1	0.4	0.3	0.1	2	NA	2	0.2	0.009	0.4	0.04	0.02	0.05	0.9	NA	0.5	0.2
59A	House	0.3	0.01	0.2	0.2	0.1	0.4	--	0.7	0.1	0.04	0.001	0.02	0.02	0.01	0.04	--	0.07	0.01	0.3	1	0.2	0.2	0.3	2	NA	2	0.3	0.04	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
62G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.002	0.1	1	0.3	0.3	0.1	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
72M	Agriculture	0.3	0.03	0.3	0.3	0.09	0.5	--	0.6	0.07	0.03	0.002	0.03	0.03	0.008	0.04	--	0.06	0.007	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
72U	Other -Not Specified	0.2	0.04	0.4	0.4	0.04	0.5	--	0.6	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.06	0.003	0.2	1	0.4	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
94M	Agriculture	0.1	0.02	0.3	0.3	0.03	0.3	--	0.5	0.02	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.002	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
999G1	Garden	0.2	0.03	0.3	0.3	0.03	0.5	--	0.4	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
999M1	House	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.05	--	0.04	0.003	0.1	1	0.4	0.4	0.1	2	NA	2	0.2	0.01	0.4	0.04	0.03	0.05	0.9	NA	0.5	0.2
999M2	Garden	0.1	0.03	0.5	0.4	0.02	0.5	--	0.4	0.01	0.01	0.003	0.04	0.04	0.002	0.05	--	0.04	0.001	0.1	1	0.5	0.4	0.1	2	NA	2	0.2	0.01	0.4	0.04	0.04	0.05	0.9	NA	0.5	0.2
999M3	Other -Not Specified	0.2	0.05	0.7	0.6	0.06	1	--	0.8	0.06	0.02	0.004	0.06	0.06	0.006	0.09	--	0.08	0.006	0.2	1	0.7	0.6	0.2	3	NA	2	0.2	0.02	0.4	0.06	0.06	0.05	0.9	NA	0.6	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-18. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
Indoor Air		--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																		
Outdoor Air		--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02	**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Rainbow Trout)		0.08	0.8	0.07	0.03	0.09	0.9	1	2	--	0.03	0.3	0.03	0.01	0.04	0.3	0.5	0.9	--																		
Residential Soil/Dust[a]		**Number of DUs that exeed benchmark[c] for Soil/Dust:**									**Number of DUs that exeed benchmark[c] for Soil/Dust:**																												
DU	DU Type	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	577	0	588	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.8	0.5	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
9	Agriculture	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
13	Other -Not Specified	0.2	0.02	0.3	0.3	0.03	0.6	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003	0.3	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
14	Garden	0.2	0.02	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003	0.3	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
15	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.02	0.002	0.03	0.02	0.004	0.04	--	0.05	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
16	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.05	--	0.09	0.01	0.4	0.8	0.4	0.3	0.2	2	1	3	0.3	0.06	0.3	0.06	0.04	0.05	0.8	0.5	1	0.2
17	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.005	0.3	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
18[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.8	0.5	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
20[b]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.8	0.5	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
21	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.02	0.02	0.002	0.03	0.02	0.004	0.04	--	0.04	0.002	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
22	House	0.3	0.02	0.3	0.3	0.05	0.4	--	0.6	0.04	0.03	0.001	0.02	0.02	0.004	0.04	--	0.06	0.004	0.4	0.8	0.3	0.3	0.1	2	1	3	0.2	0.06	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
25	House	0.1	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
27	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.3	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
28	Garden	0.07	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.1	0.8	0.4	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
29	Other -Not Specified	0.09	0.02	0.3	0.3	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
30	Other -Not Specified	0.2	0.02	0.4	0.3	0.02	0.5	--	0.4	0.01	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.001	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
31	Other -Not Specified	0.2	0.02	0.4	0.3	0.07	0.8	--	0.7	0.07	0.02	0.002	0.03	0.03	0.007	0.07	--	0.07	0.007	0.3	0.8	0.4	0.4	0.2	2	1	3	0.3	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
33	House	0.2	0.02	0.2	0.2	0.1	0.5	--	0.6	0.05	0.02	0.002	0.02	0.02	0.009	0.04	--	0.06	0.005	0.3	0.8	0.3	0.3	0.2	2	1	3	0.2	0.05	0.3	0.05	0.03	0.04	0.8	0.5	1	0.2
35[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.8	0.5	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
39[b]	Agriculture	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.8	0.5	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
40[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.8	0.5	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
42	House	0.09	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.04	0.004	0.2	0.8	0.2	0.3	0.2	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
44	Agriculture	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
46	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.05	0.3	0.05	0.03	0.04	0.7	0.5	1	0.2
47	Agriculture	0.1	0.01	0.2	0.3	0.07	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.007	0.04	--	0.05	0.005	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
49[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.8	0.5	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
55	House	0.09	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
56	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.006	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
58	Agriculture	0.09	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
59	House	0.2	0.01	0.1	0.2	0.09	0.3	--	0.5	0.07	0.02	0.0009	0.01	0.02	0.009	0.03	--	0.05	0.007	0.2	0.8	0.2	0.2	0.2	2	1	3	0.3	0.05	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
60	Garden	0.1	0.02	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
61	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
62	House	0.1	0.02	0.3	0.3	0.03	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.004	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
66	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.5	--	0.6	0.04	0.02	0.001	0.02	0.03	0.007	0.04	--	0.06	0.004	0.3	0.8	0.3	0.3	0.2	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
67	Garden	0.2	0.02	0.3	0.3	0.09	0.5	--	0.6	0.05	0.03	0.002	0.02	0.03	0.008	0.05	--	0.06	0.005	0.3	0.8	0.3	0.3	0.2	2	1	3	0.2	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
70	House	0.2	0.03	0.3	0.3	0.08	0.4	--	0.6	0.06	0.02	0.003	0.03	0.03	0.008	0.04	--	0.06	0.006	0.3	0.8	0.4	0.3	0.2	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.7	0.5	1	0.2
71	Garden	0.2	0.03	0.3	0.3	0.06	0.4	--	0.5	0.04	0.03	0.003	0.03	0.03	0.005	0.04	--	0.05	0.004	0.3	0.8	0.4	0.4	0.2	2	1	3	0.2	0.06	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
72	Garden	0.2	0.04	0.4	0.4	0.08	0.4	--	0.7	0.08	0.03	0.004	0.04	0.04	0.008	0.03	--	0.07	0.008	0.3	0.8	0.5	0.4	0.2	2	1	3	0.3	0.06	0.3	0.07	0.05	0.04	0.7	0.5	1	0.2
75	House	0.3	0.02	0.3	0.3	0.2	0.7	--	0.9	0.1	0.03	0.001	0.03	0.03	0.02	0.06	--	0.09	0.01	0.3	0.8	0.3	0.3	0.3	2	1	3	0.3	0.06	0.3	0.05	0.04	0.06	0.8	0.5	1	0.2
82	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
85	House	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
86	Agriculture	0.1	0.02	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.003	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.7	0.5	1	0.2
87	Agriculture	0.09	0.02	0.2	0.2	0.03	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
106	House	0.4	0.02	0.2	0.3	0.1	0.6	--	0.8	0.07	0.04	0.001	0.02	0.02	0.01	0.05	--	0.08	0.007	0.5	0.8	0.3	0.3	0.2	2	1	3	0.3	0.07	0.3	0.05	0.03	0.05	0.8	0.5	1	0.2
107	Garden	0.3	0.02	0.3	0.3	0.09	0.6	--	0.6	0.05	0.03	0.002	0.03	0.03	0.008	0.06	--	0.06	0.005	0.3	0.8	0.3	0.4	0.2	2	1	3	0.2	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
108	Garden	0.3	0.03	0.3	0.3	0.07	0.5	--	0.6	0.05	0.04	0.003	0.02	0.03	0.007	0.04	--	0.06	0.005	0.4	0.8	0.3	0.3	0.2	2	1	3	0.2	0.07	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
109[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.8	0.5	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
110	House	0.1	0.01	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	0.8	0.2	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
111	Other -Not Specified	0.1	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.2	0.8	0.3	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
112	House	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.06	0.002	0.03	0.02	0.01	0.05	--	0.1	0.01	0.6	0.8	0.3	0.3	0.2	2	1	3	0.3	0.09	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
121	House	0.2	0.03	0.5	0.4	0.04	0.8	--	0.7	0.06	0.02	0.003	0.05	0.04	0.004	0.08	--	0.07	0.006	0.3	0.8	0.6	0.4	0.1	2	1	3	0.3	0.05	0.3	0.08	0.05	0.04	0.8	0.5	1	0.2
122	Other -Not Specified	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.03	0.003	0.04	0.04	0.003	0.06	--	0.06	0.003	0.3	0.8	0.5	0.4	0.1	2	1	3	0.2	0.06	0.3	0.07	0.05	0.04	0.8	0.5	1	0.2
123	House	0.3	0.02	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	0.002	0.03	0.02	0.01	0.05	--	0.08	0.01	0.3	0.8	0.3	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
135	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.004	0.2	0.8	0.3	0.2	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
146	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.002	0.05	--	0.05	0.003	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
147	Garden	0.09	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.001	0.03	--	0.03	0.001	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
151[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.8	0.5	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
152	Other -Not Specified	0.2	0.02	0.4	0.3	0.05	0.4	--	0.6	0.07	0.02	0.002	0.03	0.03	0.004	0.04	--	0.06	0.007	0.2	0.8	0.4	0.3	0.1	2	1	3	0.3	0.05	0.3	0.06	0.04	0.04	0.7	0.5	1	0.2
154	House	0.06	0.01	0.1	0.2	0.02	0.2	--	0.2	0.02	0.007	0.001	0.01	0.02	0.002	0.02	--	0.02	0.002	0.1	0.8	0.2	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
160	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.05	0.02	0.002	0.03	0.02	0.004	0.05	--	0.05	0.005	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
163	House	0.2	0.02	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.04	--	0.05	0.004	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.03	0.04	0.8	0.5	1	0.2

Table 5-18. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																	**Total HI Across Pathways**														
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	**By Target Organ System**														
	Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									**Adult**								**Child**									**Adult**								
DU	DU Type																																	
164	Agriculture	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.3	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
167	Agriculture	0.1	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.8	0.3	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
168	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.009	0.3	0.8	0.4	0.3	0.2	2	1	3	0.3	0.06	0.3	0.06	0.04	0.05	0.8	0.5	1	0.2
169	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.6	--	0.7	0.07	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.007	0.3	0.8	0.3	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
170[b]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
175	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.02	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
177	Agriculture	0.3	0.01	0.2	0.2	0.05	0.3	--	0.6	0.05	0.03	0.001	0.02	0.02	0.004	0.03	--	0.06	0.005	0.3	0.8	0.3	0.2	0.1	2	1	3	0.2	0.06	0.3	0.04	0.03	0.04	0.7	0.5	1	0.2
185	House	0.3	0.02	0.4	0.3	0.06	0.4	--	0.7	0.05	0.03	0.002	0.04	0.03	0.006	0.04	--	0.07	0.005	0.3	0.8	0.5	0.4	0.2	2	1	3	0.2	0.06	0.3	0.06	0.04	0.04	0.7	0.5	1	0.2
186	House	0.2	0.02	0.3	0.2	0.06	0.3	--	0.6	0.06	0.02	0.002	0.02	0.02	0.005	0.03	--	0.06	0.006	0.3	0.8	0.3	0.3	0.1	2	1	3	0.3	0.05	0.3	0.05	0.03	0.04	0.7	0.5	1	0.2
189	House	0.2	0.02	0.3	0.3	0.05	0.5	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.05	--	0.06	0.004	0.3	0.8	0.4	0.3	0.1	2	1	3	0.2	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
192	House	0.2	0.03	0.4	0.3	0.06	0.4	--	0.7	0.06	0.02	0.003	0.04	0.03	0.006	0.04	--	0.07	0.006	0.3	0.8	0.5	0.4	0.2	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.7	0.5	1	0.2
193	House	0.2	0.01	0.2	0.3	0.08	0.3	--	0.6	0.04	0.02	0.001	0.02	0.03	0.008	0.03	--	0.06	0.004	0.3	0.8	0.3	0.3	0.2	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
194[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.8	0.5	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
196[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.8	0.5	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
201	House	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
203[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.8	0.5	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
206	House	0.1	0.02	0.3	0.2	0.05	0.3	--	0.5	0.04	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
208	Other -Not Specified	0.2	0.02	0.4	0.3	0.1	0.4	--	0.6	0.05	0.02	0.002	0.03	0.03	0.01	0.04	--	0.06	0.005	0.3	0.8	0.4	0.4	0.2	2	1	3	0.2	0.05	0.3	0.06	0.04	0.05	0.8	0.5	1	0.2
213	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.4	--	0.8	0.09	0.04	0.002	0.02	0.02	0.01	0.04	--	0.08	0.009	0.4	0.8	0.3	0.3	0.2	2	1	3	0.3	0.07	0.3	0.05	0.03	0.05	0.8	0.5	1	0.2
216	House	0.3	0.01	0.2	0.3	0.1	0.4	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.04	--	0.07	0.007	0.3	0.8	0.3	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.03	0.05	0.8	0.5	1	0.2
218[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.8	0.5	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
229	Play Area	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
231	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.004	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.04	0.03	0.04	0.8	0.5	1	0.2
246	Play Area	0.05	0.02	0.2	0.2	0.01	0.2	--	0.2	0.01	0.006	0.002	0.02	0.02	0.001	0.02	--	0.02	0.001	0.1	0.8	0.3	0.2	0.1	1	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
249	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	0.8	0.3	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
250	House	0.2	0.01	0.2	0.2	0.05	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.005	0.03	--	0.04	0.003	0.3	0.8	0.3	0.2	0.1	2	1	3	0.2	0.05	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
253	House	0.1	0.01	0.2	0.2	0.03	0.2	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
280	Other -Not Specified	0.3	0.02	0.4	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.009	0.05	--	0.07	0.009	0.3	0.8	0.4	0.3	0.2	2	1	3	0.3	0.06	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
287	Agriculture	0.1	0.02	0.3	0.3	0.09	0.6	--	0.6	0.06	0.02	0.001	0.03	0.03	0.008	0.06	--	0.06	0.006	0.2	0.8	0.3	0.3	0.2	2	1	3	0.3	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
288	House	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
291	Agriculture	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002	0.1	0.8	0.3	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
306	Other -Not Specified	0.1	0.01	0.2	0.2	0.02	0.2	--	0.4	0.02	0.01	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	0.2	0.8	0.3	0.2	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
315	House	0.1	0.02	0.3	0.3	0.01	0.3	--	0.4	0.01	0.01	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
316	Other -Not Specified	0.1	0.02	0.3	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
317	House	0.3	0.03	0.4	0.3	0.06	0.4	--	0.8	0.07	0.03	0.002	0.03	0.03	0.006	0.03	--	0.08	0.007	0.4	0.8	0.4	0.4	0.2	2	1	3	0.3	0.06	0.3	0.06	0.04	0.04	0.7	0.5	1	0.2
318	Other -Not Specified	0.4	0.02	0.3	0.3	0.1	0.4	--	1	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.1	0.01	0.5	0.8	0.4	0.3	0.2	2	1	3	0.3	0.07	0.3	0.06	0.04	0.05	0.7	0.5	1	0.2
319	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.5	--	1	0.2	0.04	0.002	0.03	0.03	0.01	0.05	--	0.1	0.02	0.4	0.8	0.4	0.4	0.2	2	1	3	0.4	0.07	0.3	0.06	0.04	0.05	0.8	0.5	1	0.2
325	Garden	0.1	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
326	Other -Not Specified	0.08	0.02	0.2	0.2	0.02	0.2	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
327	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.2	0.8	0.3	0.2	0.1	1	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
345	Play Area	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.003	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.7	0.5	1	0.2
346	Garden	0.2	0.02	0.3	0.3	0.07	0.5	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	0.3	0.8	0.4	0.3	0.2	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
347	Other -Not Specified	0.2	0.01	0.3	0.2	0.09	0.4	--	0.7	0.09	0.02	0.001	0.02	0.02	0.009	0.04	--	0.07	0.009	0.3	0.8	0.3	0.3	0.2	2	1	3	0.3	0.05	0.3	0.05	0.03	0.04	0.7	0.5	1	0.2
801	Other -Not Specified	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.06	0.03	0.001	0.01	0.03	0.009	0.02	--	0.07	0.006	0.3	0.8	0.2	0.3	0.2	1	1	3	0.2	0.06	0.3	0.04	0.04	0.04	0.7	0.5	1	0.2
1001	Other -Not Specified	0.3	0.01	0.2	0.4	0.1	0.2	--	0.8	0.1	0.03	0.001	0.02	0.03	0.01	0.02	--	0.08	0.01	0.4	0.8	0.2	0.4	0.2	1	1	3	0.3	0.06	0.3	0.04	0.05	0.05	0.7	0.5	1	0.2
1005	Garden	0.2	0.02	0.3	0.3	0.05	0.3	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
1006	House	0.1	0.03	0.3	0.3	0.03	0.3	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.03	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
1007	Garden	0.08	0.03	0.3	0.3	0.02	0.3	--	0.4	0.02	0.009	0.003	0.02	0.03	0.002	0.03	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
1008	Agriculture	0.09	0.03	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.003	0.02	0.02	0.004	0.03	--	0.04	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
1010	Agriculture	0.1	0.03	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
1011	Agriculture	0.2	0.02	0.1	0.2	0.06	0.2	--	0.4	0.05	0.02	0.001	0.01	0.01	0.006	0.02	--	0.04	0.005	0.2	0.8	0.2	0.2	0.2	1	1	3	0.2	0.05	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
1015	Garden	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
1017	Garden	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.2	0.8	0.2	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
1018	Garden	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
1020	Garden	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.05	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
1021[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.8	0.5	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
1030[b]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
1035	Garden	0.2	0.03	0.3	0.3	0.05	0.5	--	0.5	0.04	0.02	0.003	0.03	0.03	0.005	0.05	--	0.05	0.004	0.3	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
1036	Play Area	0.1	0.02	0.3	0.3	0.03	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
1037	Garden	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.003	0.3	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
1060	House	0.1	0.02	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
3000	House	0.05	0.02	0.2	0.2	0.01	0.2	--	0.3	0.008	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	0.1	0.8	0.3	0.3	0.1	1	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
3001	Garden	0.3	0.04	0.5	0.5	0.1	0.5	--	1	0.07	0.04	0.003	0.05	0.05	0.01	0.04	--	0.1	0.008	0.4	0.8	0.6	0.5	0.2	2	1	3	0.3	0.07	0.3	0.07	0.06	0.04	0.8	0.5	1	0.2
3003	Other -Not Specified	0.4	0.02	0.4	0.4	0.09	0.4	--	0.9	0.08	0.04	0.002	0.03	0.04	0.008	0.04	--	0.09	0.009	0.5	0.8	0.4	0.4	0.2	2	1	3	0.3	0.07	0.3	0.06	0.05	0.04	0.7	0.5	1	0.2
3004	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
075-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2

Table 5-18. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																					
075-H1	House	0.1	0.02	0.2	0.3	0.05	0.5	--	0.5	0.05	0.01	0.0001	0.02	0.02	0.005	0.04	--	0.05	0.005	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
075-O1	Other -Not Specified	0.1	0.02	0.2	0.6	0.08	0.3	--	0.6	0.09	0.02	0.0002	0.02	0.05	0.007	0.03	--	0.06	0.009	0.2	0.8	0.3	0.6	0.2	2	1	3	0.3	0.05	0.3	0.05	0.06	0.04	0.7	0.5	1	0.2
076-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
076-G2	Garden	0.2	0.02	0.3	0.4	0.06	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.005	0.3	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
076-H1	House	0.1	0.02	0.3	0.3	0.04	0.7	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.005	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
076-H2	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
076-N1	Animal Activity Area	0.2	0.02	0.3	0.4	0.1	0.6	--	0.5	0.04	0.02	0.002	0.03	0.03	0.009	0.05	--	0.05	0.004	0.2	0.8	0.4	0.4	0.2	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
077-A1	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.1	0.8	0.2	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
077-A2	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.1	0.8	0.2	0.3	0.1	2	1	3	0.2	0.03	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
077-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
077-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.1	0.8	0.2	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
077-H2	House	0.04	0.01	0.2	0.2	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.1	0.8	0.2	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
077-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
078-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.02	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
078-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.009	0.004	0.001	0.01	0.02	0.0006	0.02	--	0.02	0.0009	0.1	0.8	0.2	0.2	0.1	2	1	3	0.2	0.03	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
078-N1	Animal Activity Area	0.04	0.01	0.2	0.2	0.009	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.001	0.1	0.8	0.2	0.2	0.1	2	1	3	0.2	0.03	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
078-O1	Other -Not Specified	0.04	0.01	0.2	0.3	0.008	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.0008	0.03	--	0.02	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
079-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
079-H2	House	0.2	0.02	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.05	--	0.05	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
080-H1	House	0.1	0.04	0.5	0.4	0.02	0.5	--	0.5	0.01	0.02	0.004	0.05	0.03	0.001	0.04	--	0.05	0.001	0.2	0.8	0.6	0.4	0.1	2	1	3	0.2	0.05	0.3	0.07	0.05	0.04	0.8	0.5	1	0.2
081-A1	Agriculture	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002	0.1	0.8	0.4	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
081-H1	House	0.09	0.03	0.4	0.3	0.02	0.4	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.04	--	0.04	0.003	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.7	0.5	0.9	0.2
081-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.05	0.5	--	0.5	0.06	0.01	0.002	0.04	0.04	0.005	0.05	--	0.05	0.006	0.2	0.8	0.5	0.4	0.1	2	1	3	0.2	0.04	0.3	0.07	0.05	0.04	0.8	0.5	1	0.2
082-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.009	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.0009	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
082-G2	Garden	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
082-H1	House	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002	0.1	0.8	0.2	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
082-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
082-N2	Animal Activity Area	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
083-G1	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
083-G2	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
083-H1	House	0.08	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
084-H1	House	0.04	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.005	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
085-H1	House	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
085-O1	Other -Not Specified	0.1	0.02	0.4	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.005	0.04	--	0.04	0.004	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
085-P1	Play Area	0.2	0.03	0.3	0.3	0.06	0.7	--	0.6	0.06	0.02	0.003	0.03	0.03	0.005	0.07	--	0.06	0.006	0.3	0.8	0.4	0.3	0.2	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
086-G1	Garden	0.09	0.01	0.2	0.3	0.03	0.5	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.8	0.5	0.9	0.2
086-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.04	0.04	0.8	0.5	0.9	0.2
086-H2	House	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
087-H1	House	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
087-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.005	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
088-H1	House	0.2	0.02	0.3	0.3	0.08	0.7	--	0.8	0.08	0.03	0.002	0.03	0.03	0.007	0.06	--	0.08	0.008	0.3	0.8	0.3	0.4	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
088-H2	House	0.1	0.01	0.2	0.2	0.05	0.4	--	0.5	0.06	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.006	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.04	0.03	0.04	0.7	0.5	1	0.2
088-O1	Other -Not Specified	0.2	0.01	0.2	0.3	0.06	0.7	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.06	--	0.06	0.006	0.3	0.8	0.3	0.4	0.2	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
089-A1	Agriculture	0.1	0.02	0.3	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	0.8	0.3	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
089-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.004	0.2	0.8	0.3	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
089-O1	Other -Not Specified	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
090-H1	House	0.05	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.006	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
090-O2	Other -Not Specified	0.06	0.02	0.3	0.4	0.04	0.5	--	0.5	0.02	0.007	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.1	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.06	0.05	0.04	0.8	0.5	0.9	0.2
091-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.003	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
091-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
092-O1	Other -Not Specified	0.08	0.02	0.2	0.2	0.07	0.3	--	0.5	0.06	0.01	0.001	0.02	0.02	0.007	0.02	--	0.05	0.006	0.2	0.8	0.2	0.2	0.2	2	1	3	0.3	0.04	0.3	0.04	0.03	0.04	0.7	0.5	1	0.2
092-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004	0.2	0.8	0.2	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
093-H1	House	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
094-H1	House	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
094-P1	Play Area	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.06	--	0.05	0.004	0.2	0.8	0.3	0.4	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
095-A1	Agriculture	0.2	0.01	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.007	0.06	--	0.06	0.007	0.3	0.8	0.3	0.4	0.2	2	1	3	0.3	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
095-H1	House	0.2	0.02	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.02	0.03	0.005	0.05	--	0.06	0.005	0.2	0.8	0.3	0.4	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
095-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.07	0.5	--	0.5	0.06	0.02	0.001	0.02	0.03	0.006	0.05	--	0.05	0.006	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
095-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.008	0.06	--	0.06	0.007	0.3	0.8	0.3	0.4	0.2	2	1	3	0.3	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
096-H1	House	0.2	0.02	0.3	0.3	0.08	0.5	--	0.6	0.07	0.02	0.002	0.03	0.03	0.007	0.05	--	0.06	0.007	0.2	0.8	0.4	0.3	0.2	2	1	3	0.3	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
096-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.09	0.5	--	0.9	0.1	0.03	0.002	0.03	0.03	0.008	0.05	--	0.09	0.01	0.4	0.8	0.3	0.4	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
097-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.03	--	0.05	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
097-H2	House	0.08	0.02	0.2	0.3	0.03	0.2	--	0.6	0.04	0.009	0.002	0.02	0.03	0.003	0.02	--	0.05	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
098-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
098-H1	House	0.03	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.004	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
098-O1	Other -Not Specified	0.03	0.01	0.2	0.3	0.01	0.3	--	0.3	0.008	0.004	0.001	0.02	0.03	0.001	0.02	--	0.03	0.0008	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
099-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2

Table 5-18. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																	Total HI Across Pathways														
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System														
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
099-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.4	--	0.3	0.03	0.01	0.0001	0.02	0.02	0.003	0.04	--	0.03	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
099-H1	House	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.05	0.01	0.0001	0.02	0.02	0.005	0.03	--	0.04	0.005	0.2	0.8	0.2	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
099-O1	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.5	0.05	0.01	0.0001	0.02	0.02	0.005	0.03	--	0.05	0.005	0.2	0.8	0.2	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	1	0.2
100-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.4	--	0.5	0.02	0.008	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.1	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
100-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.006	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
100-N1	Animal Activity Area	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
100-N2	Animal Activity Area	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
100-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.03	--	0.04	0.004	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
101-G1	Garden	0.09	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
101-H1	House	0.08	0.02	0.2	0.3	0.05	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.005	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
101-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.07	0.02	0.002	0.03	0.03	0.006	0.05	--	0.05	0.007	0.2	0.8	0.3	0.3	0.2	2	1	3	0.3	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
102-G1	Garden	0.09	0.02	0.4	0.4	0.03	0.6	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.06	0.05	0.04	0.8	0.5	0.9	0.2
102-H1	House	0.07	0.03	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
103-H1	House	0.1	0.01	0.2	0.3	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
103-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.04	--	0.04	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
104-H1	House	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.05	0.03	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
104-H2	House	0.2	0.01	0.2	0.3	0.04	0.4	--	0.6	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.06	0.005	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
104-N1	Animal Activity Area	0.2	0.01	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.004	0.04	--	0.05	0.004	0.3	0.8	0.2	0.3	0.1	2	1	3	0.2	0.05	0.3	0.04	0.03	0.04	0.8	0.5	1	0.2
105-H1	House	0.1	0.01	0.1	0.2	0.04	0.3	--	0.3	0.03	0.01	0.0009	0.01	0.02	0.004	0.03	--	0.03	0.003	0.2	0.8	0.2	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
105-P1	Play Area	0.1	0.007	0.1	0.1	0.09	0.3	--	0.4	0.04	0.01	0.0007	0.009	0.01	0.009	0.02	--	0.04	0.004	0.2	0.8	0.2	0.2	0.2	2	1	3	0.2	0.04	0.3	0.03	0.02	0.04	0.7	0.5	0.9	0.2
106-G1	Garden	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.006	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001	0.1	0.8	0.3	0.2	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
106-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
106-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.002	0.02	0.03	0.001	0.03	--	0.02	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
106-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.01	0.3	--	0.3	0.008	0.006	0.002	0.02	0.03	0.001	0.03	--	0.03	0.0008	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
107-H1	House	0.08	0.01	0.2	0.2	0.09	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.009	0.04	--	0.05	0.005	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.8	0.5	1	0.2
108-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.03	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
108-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.005	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
108-O2	Other -Not Specified	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.04	--	0.03	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
109-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
110-A1	Agriculture	0.1	0.01	0.3	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.05	--	0.05	0.004	0.2	0.8	0.3	0.4	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
110G	Garden	0.1	0.02	0.2	0.2	0.02	0.4	--	0.3	0.01	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
110-G1	Garden	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.05	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
110-G2	Garden	0.06	0.01	0.2	0.3	0.02	0.5	--	0.3	0.01	0.007	0.001	0.02	0.03	0.002	0.05	--	0.03	0.001	0.1	0.8	0.3	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
110-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.04	0.04	0.8	0.5	0.9	0.2
110-O1	Other -Not Specified	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	0.8	0.2	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
110-O2	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.01	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004	0.2	0.8	0.3	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
111-H1	House	0.07	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
112G	Garden	0.3	0.03	0.3	0.3	0.1	0.6	--	0.7	0.06	0.04	0.002	0.03	0.02	0.01	0.05	--	0.07	0.006	0.4	0.8	0.3	0.3	0.2	2	1	3	0.3	0.07	0.3	0.05	0.03	0.05	0.8	0.5	1	0.2
112-G1	Garden	0.2	0.04	0.3	0.3	0.06	0.4	--	0.5	0.06	0.02	0.004	0.03	0.03	0.006	0.03	--	0.05	0.006	0.3	0.8	0.4	0.3	0.2	2	1	3	0.3	0.05	0.3	0.06	0.04	0.04	0.7	0.5	1	0.2
112-H1	House	0.2	0.04	0.3	0.3	0.05	0.3	--	0.4	0.06	0.02	0.003	0.03	0.03	0.005	0.03	--	0.04	0.006	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
112-O1	Other -Not Specified	0.3	0.03	0.3	0.3	0.1	0.4	--	0.7	0.1	0.03	0.003	0.03	0.03	0.01	0.04	--	0.07	0.01	0.3	0.8	0.3	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.05	0.7	0.5	1	0.2
113-G1	Garden	0.2	0.02	0.3	0.4	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008	0.3	0.8	0.4	0.4	0.2	2	1	3	0.3	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
113-G2	Garden	0.2	0.02	0.3	0.4	0.1	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.008	0.3	0.8	0.4	0.4	0.2	2	1	3	0.3	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
113-G3	Garden	0.1	0.02	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
113low	Other -Not Specified	0.3	0.02	0.3	0.3	0.08	0.6	--	0.8	0.08	0.03	0.002	0.03	0.03	0.008	0.06	--	0.08	0.008	0.4	0.8	0.3	0.4	0.2	2	1	3	0.3	0.07	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
113-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.006	0.04	--	0.05	0.006	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
113up	Other -Not Specified	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.05	0.001	0.02	0.02	0.01	0.06	--	0.1	0.01	0.6	0.8	0.3	0.3	0.2	2	1	3	0.3	0.08	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
114-G1	Garden	0.1	0.02	0.2	0.4	0.05	0.2	--	0.5	0.09	0.02	0.001	0.02	0.04	0.005	0.02	--	0.05	0.01	0.2	0.8	0.2	0.4	0.1	2	1	3	0.3	0.05	0.3	0.04	0.05	0.04	0.7	0.5	1	0.2
114-H1	House	0.2	0.02	0.2	0.5	0.08	0.3	--	0.6	0.1	0.02	0.002	0.02	0.05	0.008	0.03	--	0.06	0.01	0.2	0.8	0.3	0.5	0.2	2	1	3	0.3	0.05	0.3	0.05	0.06	0.04	0.7	0.5	1	0.2
114-O1	Other -Not Specified	0.1	0.02	0.2	0.5	0.07	0.3	--	0.6	0.09	0.02	0.002	0.02	0.05	0.007	0.03	--	0.06	0.01	0.2	0.8	0.3	0.6	0.2	2	1	3	0.3	0.05	0.3	0.05	0.06	0.04	0.7	0.5	1	0.2
115-O1	Other -Not Specified	0.5	0.03	0.4	0.4	0.1	0.4	--	1	0.06	0.06	0.002	0.03	0.04	0.01	0.03	--	0.1	0.007	0.6	0.8	0.4	0.4	0.2	2	1	4	0.3	0.09	0.3	0.06	0.05	0.05	0.7	0.5	1	0.2
115SP	Other -Not Specified	0.4	0.02	0.3	0.3	0.2	0.5	--	1	0.1	0.04	0.002	0.02	0.03	0.02	0.05	--	0.1	0.01	0.4	0.8	0.3	0.3	0.3	2	1	4	0.3	0.07	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
116M	House	0.2	0.02	0.2	0.4	0.2	0.2	--	0.7	0.08	0.03	0.001	0.02	0.04	0.02	0.02	--	0.07	0.008	0.3	0.8	0.3	0.4	0.3	2	1	3	0.3	0.06	0.3	0.05	0.05	0.05	0.7	0.5	1	0.2
116-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.008	0.002	0.02	0.03	0.004	0.05	--	0.04	0.004	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
117-O1	Other -Not Specified	0.1	0.04	0.4	0.5	0.01	0.5	--	0.4	0.006	0.02	0.003	0.04	0.04	0.001	0.04	--	0.04	0.0006	0.2	0.8	0.5	0.5	0.1	2	1	3	0.2	0.05	0.3	0.07	0.05	0.04	0.8	0.5	0.9	0.2
118-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.5	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.05	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
118-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.4	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.04	--	0.02	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
118-H1	House	0.04	0.01	0.2	0.3	0.01	0.4	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.04	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
118-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.03	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.1	0.8	0.2	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.8	0.5	0.9	0.2
118-N2	Animal Activity Area	0.09	0.01	0.2	0.2	0.04	0.6	--	0.3	0.03	0.01	0.001	0.02	0.02	0.004	0.06	--	0.03	0.003	0.2	0.8	0.2	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.8	0.5	0.9	0.2
119-P1	Play Area	0.3	0.01	0.3	0.3	0.1	0.7	--	0.8	0.09	0.04	0.001	0.02	0.03	0.01	0.07	--	0.09	0.009	0.4	0.8	0.3	0.3	0.2	2	1	3	0.3	0.07	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
120-A1	Agriculture	0.08	0.03	0.2	0.2	0.03	0.3	--	0.3	0.03	0.009	0.003	0.02	0.02	0.003	0.02	--	0.03	0.003	0.2	0.8	0.3	0.2	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
120-G1	Garden	0.08	0.03	0.1	0.1	0.04	0.2	--	0.2	0.04	0.009	0.002	0.01	0.01	0.004	0.02	--	0.02	0.004	0.2	0.8	0.2	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.02	0.04	0.7	0.5	0.9	0.2
120-H1	House	0.09	0.02	0.2	0.2	0.04	0.2	--	0.3	0.03	0.01	0.002	0.01	0.02	0.004	0.02	--	0.03	0.003	0.2	0.8	0.2	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
120-O1	Other -Not Specified	0.1	0.04	0.2	0.2	0.05	0.3	--	0.3	0.04	0.01	0.004	0.02	0.02	0.005	0.03	--	0.03	0.004	0.2	0.8	0.2	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
121-G1	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.009	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2

Table 5-18. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																	Total HI Across Pathways														
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System														
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
121-H1	House	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
121-N1	Animal Activity Area	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
121-N2	Animal Activity Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.003	0.04	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
122-G1	Garden	0.07	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
122-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
122-H1	House	0.08	0.02	0.3	0.3	0.04	0.5	--	0.4	0.05	0.009	0.001	0.02	0.03	0.004	0.04	--	0.04	0.005	0.2	0.8	0.3	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
122-H2	House	0.06	0.01	0.2	0.3	0.03	0.4	--	0.3	0.03	0.007	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
122-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.06	0.5	--	0.5	0.06	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.006	0.2	0.8	0.3	0.3	0.2	2	1	3	0.3	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
122-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.1	0.5	--	0.7	0.1	0.02	0.001	0.02	0.03	0.009	0.04	--	0.07	0.01	0.2	0.8	0.3	0.3	0.2	2	1	3	0.3	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
122-P1	Play Area	0.1	0.02	0.2	0.3	0.1	0.6	--	0.7	0.1	0.02	0.001	0.02	0.03	0.01	0.05	--	0.07	0.01	0.2	0.8	0.3	0.3	0.2	2	1	3	0.3	0.05	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
123-G1	Garden	0.2	0.02	0.3	0.4	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
123-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
123-H1	House	0.1	0.03	0.3	0.4	0.04	0.7	--	0.4	0.03	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.003	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.05	0.04	0.8	0.5	0.9	0.2
123-O1	Other -Not Specified	0.1	0.02	0.3	0.4	0.03	0.7	--	0.5	0.04	0.01	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.06	0.05	0.04	0.8	0.5	0.9	0.2
123-O2	Other -Not Specified	0.2	0.02	0.3	0.4	0.1	0.7	--	0.6	0.1	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.01	0.3	0.8	0.4	0.4	0.2	2	1	3	0.3	0.05	0.3	0.06	0.04	0.05	0.8	0.5	1	0.2
124-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.007	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002	0.1	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
124-G2	Garden	0.2	0.05	0.6	0.4	0.05	0.5	--	0.7	0.05	0.02	0.005	0.06	0.04	0.005	0.05	--	0.07	0.005	0.2	0.8	0.7	0.5	0.1	2	1	3	0.2	0.05	0.3	0.08	0.05	0.04	0.8	0.5	1	0.2
124-H1	House	0.1	0.04	0.5	0.5	0.02	0.5	--	0.5	0.03	0.01	0.004	0.05	0.05	0.002	0.05	--	0.05	0.003	0.2	0.8	0.6	0.5	0.1	2	1	3	0.2	0.05	0.3	0.07	0.06	0.04	0.8	0.5	1	0.2
124-N1	Animal Activity Area	0.07	0.03	0.3	0.2	0.02	0.2	--	0.3	0.02	0.008	0.003	0.03	0.02	0.002	0.02	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
124-N2	Animal Activity Area	0.04	0.02	0.2	0.3	0.005	0.3	--	0.3	0.004	0.005	0.002	0.02	0.03	0.0005	0.03	--	0.02	0.0004	0.1	0.8	0.3	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
124-O1	Other -Not Specified	0.1	0.05	0.6	0.5	0.04	0.6	--	0.6	0.05	0.02	0.004	0.05	0.05	0.004	0.05	--	0.06	0.005	0.2	0.8	0.6	0.5	0.1	2	1	3	0.2	0.05	0.3	0.08	0.06	0.04	0.8	0.5	1	0.2
125-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.3	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.04	0.003	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.7	0.5	0.9	0.2
126-A1	Agriculture	0.07	0.01	0.1	0.2	0.03	0.3	--	0.3	0.03	0.009	0.001	0.01	0.02	0.003	0.03	--	0.03	0.003	0.2	0.8	0.2	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
126-G1	Garden	0.09	0.02	0.2	0.3	0.02	0.3	--	0.4	0.01	0.01	0.001	0.02	0.03	0.002	0.03	--	0.04	0.001	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
126-G2	Garden	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
126-H1	House	0.04	0.01	0.1	0.2	0.01	0.2	--	0.2	0.01	0.005	0.0009	0.01	0.02	0.001	0.02	--	0.02	0.001	0.1	0.8	0.2	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
126-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.01	0.02	0.002	0.03	--	0.03	0.002	0.1	0.8	0.2	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
126-O2	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.2	--	0.2	0.01	0.006	0.0009	0.01	0.02	0.002	0.02	--	0.02	0.001	0.1	0.8	0.2	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
126-O3	Other -Not Specified	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.001	0.02	0.03	0.002	0.03	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
126-P1	Play Area	0.06	0.009	0.1	0.2	0.02	0.2	--	0.3	0.01	0.007	0.0008	0.01	0.02	0.002	0.01	--	0.03	0.001	0.1	0.8	0.2	0.2	0.1	1	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
127-A1	Agriculture	0.1	0.02	0.2	0.3	0.08	0.6	--	0.5	0.05	0.02	0.001	0.02	0.03	0.007	0.05	--	0.05	0.005	0.2	0.8	0.3	0.4	0.2	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
127-G1	Garden	0.07	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
127-G2	Garden	0.09	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
127-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
127-H2	House	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
127-N1	Animal Activity Area	0.09	0.01	0.2	0.3	0.06	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
128-G1	Garden	0.2	0.04	0.4	0.4	0.03	0.5	--	0.5	0.02	0.02	0.004	0.04	0.04	0.002	0.04	--	0.05	0.002	0.3	0.8	0.5	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.05	0.04	0.8	0.5	1	0.2
128-G2	Garden	0.2	0.06	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.005	0.03	0.03	0.003	0.04	--	0.05	0.004	0.3	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
128-G3	Garden	0.1	0.03	0.3	0.4	0.02	0.5	--	0.5	0.02	0.01	0.002	0.03	0.04	0.002	0.05	--	0.04	0.002	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.05	0.04	0.8	0.5	0.9	0.2
128-N1	Animal Activity Area	0.2	0.03	0.3	0.4	0.05	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.004	0.3	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
128-O1	Other -Not Specified	0.1	0.05	0.3	0.4	0.03	0.5	--	0.5	0.03	0.02	0.005	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
129-H1	House	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.07	0.02	0.001	0.02	0.03	0.01	0.02	--	0.07	0.007	0.3	0.8	0.2	0.3	0.2	2	1	3	0.3	0.05	0.3	0.04	0.04	0.05	0.7	0.5	1	0.2
129-H2	House	0.2	0.01	0.2	0.2	0.1	0.3	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.03	--	0.06	0.008	0.3	0.8	0.2	0.3	0.2	2	1	3	0.3	0.05	0.3	0.04	0.03	0.05	0.7	0.5	1	0.2
130-G1	Garden	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.02	0.001	0.1	0.8	0.2	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
130-H1	House	0.03	0.01	0.2	0.3	0.009	0.2	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.1	0.8	0.2	0.3	0.1	2	1	3	0.2	0.03	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
130-H2	House	0.07	0.02	0.2	0.3	0.02	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.04	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
131-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.5	0.05	0.01	0.002	0.02	0.03	0.003	0.03	--	0.05	0.005	0.2	0.8	0.3	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
132-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.2	--	0.3	0.009	0.005	0.001	0.02	0.03	0.001	0.02	--	0.02	0.0009	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
132-G2	Garden	0.04	0.02	0.2	0.3	0.005	0.3	--	0.2	0.004	0.004	0.001	0.02	0.03	0.0005	0.03	--	0.02	0.0004	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
132-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
132-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.006	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
133-G1	Garden	0.2	0.02	0.2	0.3	0.07	0.5	--	0.6	0.06	0.02	0.002	0.02	0.03	0.007	0.04	--	0.05	0.006	0.3	0.8	0.3	0.3	0.2	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
133-H1	House	0.1	0.05	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.005	0.02	0.03	0.003	0.03	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
134-O1	Other -Not Specified	0.4	0.01	0.2	0.3	0.2	0.4	--	1	0.1	0.05	0.001	0.02	0.03	0.02	0.04	--	0.1	0.01	0.5	0.8	0.3	0.3	0.3	2	1	4	0.3	0.08	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
135-G1	Garden	0.2	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.05	--	0.05	0.004	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.03	0.04	0.8	0.5	1	0.2
135-H1	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.6	0.05	0.02	0.002	0.02	0.03	0.004	0.05	--	0.06	0.005	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
135-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.06	--	0.05	0.004	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
136-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
136-G1	Garden	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
136-H1	House	0.06	0.02	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
136-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.07	0.01	0.001	0.01	0.02	0.007	0.03	--	0.04	0.007	0.2	0.8	0.2	0.2	0.2	2	1	3	0.3	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
137-O1	Other -Not Specified	0.07	0.01	0.1	0.2	0.07	0.3	--	0.4	0.07	0.008	0.0009	0.01	0.02	0.006	0.03	--	0.04	0.007	0.2	0.8	0.2	0.2	0.2	2	1	3	0.3	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
137-O2	Other -Not Specified	0.08	0.01	0.2	0.2	0.05	0.3	--	0.4	0.06	0.009	0.001	0.02	0.02	0.005	0.03	--	0.04	0.006	0.2	0.8	0.2	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
138-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.003	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
138-G2	Garden	0.08	0.03	0.3	0.3	0.04	0.4	--	0.3	0.03	0.009	0.003	0.03	0.03	0.004	0.04	--	0.03	0.003	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
138-H1	House	0.09	0.03	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.002	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
138-O1	Other -Not Specified	0.06	0.02	0.3	0.4	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.04	0.002	0.04	--	0.03	0.002	0.1	0.8	0.3	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.05	0.04	0.7	0.5	0.9	0.2

Table 5-18. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																		
138-O2	Other -Not Specified	0.09	0.04	0.3	0.3	0.03	0.3	--	0.3	0.06	0.01	0.004	0.02	0.02	0.003	0.03	--	0.03	0.006	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
139-G1	Garden	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
139-G2	Garden	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
139-H1	House	0.06	0.01	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
139-N1	Animal Activity Area	0.07	0.01	0.3	0.3	0.03	0.4	--	0.4	0.02	0.008	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
140-G1	Garden	0.4	0.01	0.3	0.3	0.2	0.8	--	0.8	0.09	0.04	0.001	0.02	0.03	0.02	0.07	--	0.08	0.009	0.4	0.8	0.3	0.3	0.3	2	1	3	0.3	0.07	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
140-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
140-O1	Other -Not Specified	0.6	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.07	0.001	0.02	0.03	0.02	0.05	--	0.1	0.01	0.7	0.8	0.3	0.3	0.3	2	1	4	0.3	0.1	0.3	0.05	0.04	0.06	0.8	0.5	1	0.2
140-O2[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
141-A1	Agriculture	0.1	0.03	0.5	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.002	0.2	0.8	0.5	0.5	0.1	2	1	3	0.2	0.05	0.3	0.07	0.05	0.04	0.8	0.5	0.9	0.2
141-H1	House	0.1	0.03	0.4	0.4	0.03	0.4	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	0.2	0.8	0.5	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.05	0.04	0.8	0.5	0.9	0.2
141-H2	House	0.2	0.04	0.5	0.5	0.05	0.6	--	0.5	0.04	0.02	0.003	0.05	0.05	0.005	0.05	--	0.05	0.004	0.3	0.8	0.6	0.5	0.1	2	1	3	0.2	0.05	0.3	0.07	0.06	0.04	0.8	0.5	1	0.2
141-H3	House	0.1	0.03	0.4	0.4	0.04	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.003	0.2	0.8	0.5	0.5	0.1	2	1	3	0.2	0.05	0.3	0.06	0.05	0.04	0.8	0.5	0.9	0.2
141-N1	Animal Activity Area	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
141-N2	Animal Activity Area	0.2	0.03	0.5	0.5	0.04	0.6	--	0.5	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.05	0.003	0.2	0.8	0.5	0.5	0.1	2	1	3	0.2	0.05	0.3	0.07	0.06	0.04	0.8	0.5	1	0.2
141-N3	Animal Activity Area	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.008	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	0.1	0.8	0.3	0.2	0.1	1	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
141-N4	Animal Activity Area	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	0.2	0.8	0.5	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.05	0.04	0.8	0.5	0.9	0.2
141-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.003	0.2	0.8	0.5	0.5	0.1	2	1	3	0.2	0.05	0.3	0.06	0.05	0.04	0.8	0.5	0.9	0.2
142-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
142-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.004	0.2	0.8	0.3	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
143-A1	Agriculture	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
143-G1	Garden	0.08	0.01	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
143-G2	Garden	0.08	0.01	0.2	0.2	0.02	0.4	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
143-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
144-G1	Garden	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
144-H1	House	0.2	0.01	0.2	0.3	0.06	0.5	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.04	--	0.06	0.006	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
145-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.009	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
145-H1	House	0.1	0.02	0.3	0.3	0.06	0.6	--	0.6	0.07	0.02	0.002	0.02	0.03	0.006	0.06	--	0.06	0.007	0.2	0.8	0.3	0.3	0.2	2	1	3	0.3	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
146G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.01	0.01	0.002	0.03	0.03	0.002	0.05	--	0.05	0.001	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
146-H1	House	0.7	0.01	0.3	0.3	0.4	0.8	--	2	0.6	0.07	0.001	0.02	0.03	0.04	0.07	--	0.2	0.06	0.7	0.8	0.3	0.3	0.5	2	1	5	0.8	0.1	0.3	0.05	0.04	0.07	0.8	0.5	1	0.2
147-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
147-G2	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
147-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
148-H1	House	0.04	0.01	0.2	0.3	0.02	0.2	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
148-O1	Other -Not Specified	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
148-O3	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.02	--	0.05	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
149-A1	Agriculture	0.2	0.2	1	0.7	0.05	0.7	--	1	0.2	0.02	0.02	0.09	0.06	0.005	0.06	--	0.1	0.02	0.2	1	1	0.7	0.1	2	1	3	0.4	0.05	0.3	0.1	0.07	0.04	0.8	0.5	1	0.2
149-G1	Garden	0.1	0.09	0.7	0.5	0.05	0.7	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.06	--	0.07	0.008	0.2	0.9	0.8	0.6	0.1	2	1	3	0.3	0.05	0.3	0.09	0.06	0.04	0.8	0.5	1	0.2
149-G2	Garden	0.1	0.09	0.7	0.5	0.04	0.6	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.05	--	0.07	0.008	0.2	0.9	0.8	0.5	0.1	2	1	3	0.3	0.05	0.3	0.09	0.06	0.04	0.8	0.5	1	0.2
149-H1	House	0.1	0.09	0.7	0.5	0.06	0.6	--	0.7	0.09	0.02	0.009	0.07	0.05	0.005	0.06	--	0.07	0.009	0.2	0.9	0.8	0.5	0.1	2	1	3	0.3	0.05	0.3	0.09	0.06	0.04	0.8	0.5	1	0.2
149-N1	Animal Activity Area	0.1	0.07	0.5	0.4	0.03	0.5	--	0.6	0.06	0.01	0.006	0.05	0.04	0.003	0.05	--	0.05	0.006	0.2	0.9	0.6	0.5	0.1	2	1	3	0.2	0.04	0.3	0.08	0.05	0.04	0.8	0.5	1	0.2
150-G1	Garden	0.06	0.01	0.2	0.2	0.02	0.3	--	0.3	0.01	0.007	0.001	0.02	0.02	0.002	0.02	--	0.03	0.001	0.1	0.8	0.2	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
150-H1	House	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
151-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
152-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
152-H1	House	0.2	0.02	0.3	0.2	0.07	0.4	--	0.5	0.06	0.02	0.002	0.03	0.02	0.007	0.03	--	0.05	0.006	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.05	0.3	0.05	0.03	0.04	0.7	0.5	1	0.2
153-G1	Garden	0.2	0.02	0.2	0.3	0.06	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.06	--	0.05	0.004	0.3	0.8	0.3	0.3	0.2	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
153-H1	House	0.3	0.02	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	0.002	0.03	0.03	0.01	0.06	--	0.08	0.01	0.4	0.8	0.4	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
153-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.9	--	0.6	0.1	0.02	0.001	0.03	0.03	0.01	0.08	--	0.06	0.01	0.2	0.8	0.3	0.3	0.2	2	1	3	0.3	0.05	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
153-O2	Other -Not Specified	0.2	0.009	0.1	0.2	0.2	0.5	--	0.6	0.1	0.02	0.0008	0.01	0.02	0.02	0.04	--	0.06	0.01	0.2	0.8	0.2	0.2	0.3	2	1	3	0.3	0.05	0.3	0.04	0.03	0.05	0.8	0.5	1	0.2
153-O3	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.7	--	0.7	0.08	0.03	0.002	0.02	0.03	0.01	0.07	--	0.07	0.008	0.4	0.8	0.3	0.4	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
153-O5	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.7	--	0.8	0.09	0.03	0.001	0.02	0.03	0.01	0.07	--	0.08	0.009	0.4	0.8	0.3	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
153-O6	Other -Not Specified	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.3	0.8	0.3	0.4	0.2	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
153-O7	Other -Not Specified	0.3	0.02	0.3	0.3	0.2	0.8	--	0.8	0.1	0.04	0.002	0.02	0.03	0.02	0.07	--	0.08	0.01	0.4	0.8	0.3	0.3	0.3	2	1	3	0.3	0.07	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
153-P1	Play Area	0.3	0.02	0.3	0.3	0.1	0.8	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.07	--	0.09	0.01	0.4	0.8	0.4	0.4	0.2	2	1	3	0.3	0.06	0.3	0.06	0.04	0.05	0.8	0.5	1	0.2
154-G1	Garden	0.04	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.005	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.1	0.8	0.3	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
154-H1	House	0.04	0.02	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
155-G1	Garden	0.2	0.01	0.2	0.2	0.08	0.5	--	0.5	0.05	0.02	0.001	0.02	0.02	0.007	0.04	--	0.05	0.006	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.05	0.3	0.05	0.03	0.04	0.8	0.5	1	0.2
155-G2	Garden	0.09	0.02	0.2	0.3	0.05	0.3	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
155-H1	House	0.07	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
155-H2	House	0.1	0.01	0.2	0.2	0.07	0.4	--	0.5	0.04	0.01	0.001	0.02	0.02	0.007	0.03	--	0.05	0.004	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	1	0.2
155-O2	Other -Not Specified	0.2	0.01	0.2	0.2	0.1	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.04	--	0.06	0.008	0.2	0.8	0.3	0.2	0.2	2	1	3	0.3	0.05	0.3	0.04	0.03	0.05	0.7	0.5	1	0.2
156-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
156-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005	0.2	0.8	0.2	0.3	0.2	2	1	3	0.2	0.05	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
157-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
157-H1	House	0.09	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.01	0.002	0.02	0.02	0.004	0.02	--	0.05	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2

Table 5-18. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																	Total HI Across Pathways														
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System														
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																		
157-H2	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.02	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
157-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.02	--	0.03	0.003	0.1	0.8	0.3	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
158-H1	House	0.06	0.02	0.2	0.3	0.02	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
158-O1	Other -Not Specified	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
159-G1	Garden	0.1	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
159-H1	House	0.08	0.01	0.2	0.2	0.02	0.2	--	0.3	0.02	0.01	0.001	0.01	0.02	0.002	0.02	--	0.03	0.002	0.2	0.8	0.2	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
159-H2	House	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
159-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
159-O2	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
160-G1	Garden	0.1	0.01	0.2	0.2	0.03	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
160-H1	House	0.09	0.01	0.2	0.3	0.02	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
160-H2	House	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
161-H1	House	0.1	0.02	0.2	0.3	0.04	0.4	--	0.5	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.005	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
161-N1	Animal Activity Area	0.08	0.01	0.2	0.2	0.03	0.3	--	0.3	0.04	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.004	0.2	0.8	0.3	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
162-H1	House	0.05	0.01	0.2	0.2	0.05	0.2	--	0.3	0.03	0.006	0.0009	0.02	0.02	0.005	0.02	--	0.03	0.003	0.1	0.8	0.2	0.2	0.1	1	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
163G	Garden	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.06	0.04	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006	0.4	0.8	0.3	0.3	0.1	2	1	3	0.2	0.07	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
163-G1	Garden	0.06	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.007	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.1	0.8	0.2	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
163-O1	Other -Not Specified	0.07	0.01	0.2	0.3	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
164-H1	House	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.006	0.03	--	0.04	0.005	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
165-H1	House	0.1	0.05	0.6	0.5	0.03	0.5	--	0.4	0.02	0.02	0.004	0.06	0.05	0.003	0.05	--	0.04	0.002	0.2	0.8	0.7	0.6	0.1	2	1	3	0.2	0.05	0.3	0.08	0.06	0.04	0.8	0.5	0.9	0.2
165-O1	Other -Not Specified	0.2	0.06	0.9	0.7	0.07	0.7	--	0.5	0.05	0.03	0.005	0.08	0.06	0.007	0.06	--	0.06	0.005	0.3	0.8	0.9	0.7	0.2	2	1	3	0.2	0.06	0.3	0.1	0.07	0.04	0.8	0.5	1	0.2
166-O1	Other -Not Specified	0.2	0.01	0.2	0.4	0.1	0.2	--	0.6	0.1	0.02	0.001	0.02	0.03	0.009	0.02	--	0.06	0.01	0.3	0.8	0.2	0.4	0.2	2	1	3	0.3	0.05	0.3	0.04	0.05	0.04	0.7	0.5	1	0.2
167-O1	Other -Not Specified	0.08	0.01	0.2	0.3	0.03	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.003	0.02	--	0.04	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
167-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.2	--	0.5	0.04	0.01	0.001	0.02	0.02	0.005	0.02	--	0.05	0.004	0.2	0.8	0.2	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	1	0.2
167-O3	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.6	0.07	0.01	0.001	0.02	0.02	0.008	0.03	--	0.06	0.007	0.2	0.8	0.3	0.3	0.2	2	1	3	0.3	0.04	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
167-O4	Other -Not Specified	0.09	0.01	0.2	0.3	0.06	0.3	--	0.6	0.04	0.01	0.001	0.02	0.03	0.005	0.03	--	0.06	0.004	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
167-O5	Other -Not Specified	0.1	0.01	0.2	0.3	0.07	0.3	--	0.6	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.06	0.004	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	1	0.2
167-O6	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.5	0.07	0.01	0.001	0.02	0.02	0.008	0.04	--	0.05	0.007	0.2	0.8	0.3	0.3	0.2	2	1	3	0.3	0.05	0.3	0.04	0.03	0.04	0.7	0.5	1	0.2
167-O7	Other -Not Specified	0.2	0.01	0.2	0.3	0.2	0.4	--	0.8	0.1	0.03	0.001	0.02	0.02	0.02	0.04	--	0.08	0.01	0.3	0.8	0.3	0.3	0.3	2	1	3	0.3	0.06	0.3	0.04	0.04	0.05	0.7	0.5	1	0.2
167-O8	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.04	0.009	0.001	0.01	0.02	0.008	0.03	--	0.05	0.004	0.2	0.8	0.2	0.3	0.2	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
167-O9	Other -Not Specified	0.09	0.01	0.2	0.3	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005	0.2	0.8	0.2	0.3	0.2	2	1	3	0.2	0.04	0.3	0.04	0.04	0.04	0.7	0.5	1	0.2
168-G1	Garden	0.04	0.02	0.2	0.3	0.02	0.3	--	0.3	0.03	0.005	0.002	0.02	0.02	0.002	0.03	--	0.03	0.003	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
168-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
168-H1	House	0.04	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
168-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.2	0.03	0.006	0.002	0.02	0.02	0.002	0.03	--	0.02	0.003	0.1	0.8	0.3	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
168-O1	Other -Not Specified	0.2	0.05	0.3	0.3	0.09	0.3	--	0.5	0.06	0.02	0.005	0.02	0.03	0.008	0.02	--	0.05	0.006	0.3	0.8	0.3	0.3	0.2	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
169A	Other -Not Specified	0.1	0.01	0.2	0.4	0.2	0.2	--	0.5	0.05	0.01	0.001	0.02	0.04	0.02	0.02	--	0.05	0.005	0.2	0.8	0.3	0.4	0.3	1	1	3	0.2	0.04	0.3	0.05	0.05	0.05	0.7	0.5	1	0.2
169-G2	Garden	0.06	0.01	0.2	0.3	0.03	0.2	--	0.3	0.02	0.007	0.001	0.02	0.03	0.003	0.02	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
169-G3	Garden	0.08	0.02	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.03	0.002	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.05	0.04	0.8	0.5	0.9	0.2
169-G4	Garden	0.07	0.02	0.2	0.3	0.04	0.3	--	0.3	0.02	0.008	0.001	0.02	0.03	0.004	0.03	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
169-H1	House	0.05	0.01	0.2	0.2	0.03	0.3	--	0.2	0.02	0.006	0.001	0.01	0.02	0.002	0.03	--	0.02	0.002	0.1	0.8	0.2	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
170-G1	Garden	0.08	0.02	0.2	0.3	0.03	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.03	0.002	0.2	0.8	0.3	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
170-G2	Garden	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.06	0.01	0.001	0.02	0.03	0.006	0.03	--	0.04	0.006	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
170-H1	House	0.07	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
171-A1	Agriculture	0.2	0.04	0.6	0.5	0.07	0.6	--	0.7	0.08	0.02	0.004	0.05	0.05	0.006	0.06	--	0.07	0.009	0.2	0.8	0.6	0.5	0.2	2	1	3	0.3	0.05	0.3	0.08	0.06	0.04	0.8	0.5	1	0.2
171-G1	Garden	0.2	0.03	0.5	0.4	0.1	0.7	--	0.8	0.1	0.02	0.003	0.04	0.04	0.01	0.07	--	0.08	0.01	0.3	0.8	0.5	0.5	0.2	2	1	3	0.3	0.05	0.3	0.07	0.05	0.05	0.8	0.5	1	0.2
171-H1	House	0.1	0.03	0.3	0.4	0.08	0.4	--	0.6	0.08	0.01	0.002	0.03	0.03	0.007	0.04	--	0.06	0.008	0.2	0.8	0.4	0.4	0.2	2	1	3	0.3	0.04	0.3	0.06	0.05	0.04	0.8	0.5	1	0.2
172U	Other -Not Specified	0.2	0.02	0.2	0.5	0.08	0.2	--	0.6	0.1	0.02	0.002	0.02	0.05	0.007	0.02	--	0.06	0.01	0.3	0.8	0.2	0.6	0.2	1	1	3	0.3	0.05	0.3	0.04	0.06	0.04	0.7	0.5	1	0.2
173-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.009	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.2	0.8	0.3	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
173-G2	Garden	0.05	0.02	0.2	0.3	0.009	0.2	--	0.2	0.006	0.006	0.002	0.02	0.03	0.0008	0.02	--	0.02	0.0006	0.1	0.8	0.3	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
173-G3	Garden	0.1	0.03	0.2	0.4	0.04	0.4	--	0.4	0.03	0.02	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.2	0.8	0.3	0.4	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
173-G4	Garden	0.1	0.03	0.2	0.3	0.05	0.4	--	0.4	0.04	0.02	0.003	0.02	0.03	0.005	0.04	--	0.04	0.004	0.2	0.8	0.3	0.4	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
173-G5	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.01	0.002	0.03	0.03	0.002	0.03	--	0.03	0.001	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
173-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.03	--	0.04	0.005	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
173-P1	Play Area	0.1	0.02	0.2	0.3	0.07	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.007	0.03	--	0.05	0.006	0.2	0.8	0.3	0.3	0.2	2	1	3	0.3	0.04	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
174-A1	Agriculture	0.1	0.03	0.3	0.3	0.04	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
174-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.8	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.004	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
174-H1	House	0.2	0.03	0.3	0.3	0.09	0.7	--	0.5	0.06	0.02	0.003	0.03	0.03	0.009	0.06	--	0.05	0.006	0.2	0.8	0.4	0.3	0.2	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
174M	House	0.05	0.01	0.2	0.2	0.008	0.2	--	0.2	0.01	0.006	0.001	0.02	0.02	0.0007	0.02	--	0.02	0.001	0.1	0.8	0.3	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
175-G1	Garden	0.08	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.009	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
175-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.001	0.01	0.02	0.002	0.02	--	0.02	0.001	0.1	0.8	0.2	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
175-H1	House	0.06	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.007	0.001	0.01	0.02	0.004	0.02	--	0.03	0.003	0.1	0.8	0.2	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
176-A1	Agriculture	0.08	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
176G	Garden	0.2	0.02	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.005	0.3	0.8	0.3	0.2	0.2	2	1	3	0.2	0.05	0.3	0.04	0.03	0.04	0.7	0.5	1	0.2
176-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
176-H2	House	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.002	0.03	--	0.04	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
176M	House	0.2	0.01	0.2	0.2	0.07	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.007	0.04	--	0.06	0.008	0.3	0.8	0.3	0.2	0.2	2	1	3	0.3	0.05	0.3	0.04	0.03	0.04	0.7	0.5	1	0.2

Table 5-18. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
176-P1	Play Area	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.8	0.2	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
178-H1	House	0.07	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.002	0.04	--	0.03	0.001	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
179-H1	House	0.1	0.02	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.05	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
180-H1	House	0.3	0.02	0.2	0.3	0.2	0.3	--	0.9	0.06	0.03	0.001	0.02	0.03	0.01	0.03	--	0.09	0.006	0.4	0.8	0.3	0.3	0.3	2	1	3	0.3	0.06	0.3	0.05	0.04	0.05	0.7	0.5	1	0.2
180-H2[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
180-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.3	0.3	--	1	0.09	0.02	0.001	0.02	0.03	0.02	0.03	--	0.1	0.009	0.3	0.8	0.3	0.3	0.4	2	1	4	0.3	0.06	0.3	0.05	0.04	0.06	0.7	0.5	1	0.2
181-A1	Agriculture	0.2	0.02	0.3	0.3	0.05	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
181-G1	Garden	0.2	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.02	0.002	0.02	0.03	0.003	0.04	--	0.04	0.001	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
181-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.3	0.8	0.4	0.3	0.1	2	1	3	0.2	0.06	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
181-H1	House	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.06	0.005	0.3	0.8	0.4	0.3	0.2	2	1	3	0.2	0.06	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
181-H2	House	0.3	0.02	0.3	0.3	0.06	0.7	--	0.7	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.004	0.4	0.8	0.4	0.4	0.2	2	1	3	0.2	0.06	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
181-N1	Animal Activity Area	0.3	0.02	0.3	0.3	0.06	0.8	--	0.7	0.05	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.005	0.4	0.8	0.4	0.4	0.2	2	1	3	0.2	0.06	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
181-N2	Animal Activity Area	0.2	0.02	0.3	0.3	0.07	0.7	--	0.6	0.05	0.03	0.002	0.03	0.03	0.007	0.07	--	0.06	0.005	0.3	0.8	0.3	0.3	0.2	2	1	3	0.2	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
181-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
182-G1	Garden	0.2	0.04	0.4	0.3	0.08	0.7	--	0.6	0.09	0.02	0.003	0.04	0.03	0.007	0.06	--	0.06	0.009	0.2	0.8	0.5	0.4	0.2	2	1	3	0.3	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
182-G2	Garden	0.3	0.04	0.4	0.4	0.09	0.9	--	0.8	0.09	0.03	0.003	0.04	0.03	0.008	0.08	--	0.08	0.009	0.4	0.8	0.5	0.4	0.2	2	1	3	0.3	0.06	0.3	0.07	0.05	0.04	0.8	0.5	1	0.2
182-H1	House	0.1	0.03	0.4	0.3	0.06	0.6	--	0.6	0.06	0.01	0.003	0.04	0.03	0.005	0.06	--	0.06	0.006	0.2	0.8	0.5	0.4	0.1	2	1	3	0.3	0.04	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
182-H2	House	0.1	0.03	0.4	0.4	0.05	0.6	--	0.5	0.06	0.01	0.003	0.04	0.04	0.005	0.05	--	0.05	0.006	0.2	0.8	0.5	0.4	0.1	2	1	3	0.2	0.04	0.3	0.07	0.05	0.04	0.8	0.5	1	0.2
182-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.04	0.5	--	0.5	0.05	0.01	0.003	0.04	0.04	0.004	0.05	--	0.05	0.005	0.2	0.8	0.5	0.4	0.1	2	1	3	0.2	0.04	0.3	0.06	0.05	0.04	0.8	0.5	1	0.2
182-O2	Other -Not Specified	0.3	0.03	0.4	0.4	0.08	0.9	--	0.7	0.09	0.03	0.003	0.04	0.03	0.007	0.08	--	0.08	0.009	0.4	0.8	0.5	0.4	0.2	2	1	3	0.3	0.06	0.3	0.06	0.05	0.04	0.8	0.5	1	0.2
182-O3	Other -Not Specified	0.1	0.03	0.3	0.3	0.07	0.6	--	0.6	0.09	0.02	0.003	0.03	0.03	0.006	0.05	--	0.06	0.009	0.2	0.8	0.4	0.3	0.2	2	1	3	0.3	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
184-H1	House	0.2	0.01	0.2	0.2	0.08	0.3	--	0.6	0.06	0.02	0.001	0.02	0.02	0.007	0.03	--	0.06	0.006	0.3	0.8	0.2	0.2	0.2	2	1	3	0.3	0.05	0.3	0.04	0.03	0.04	0.7	0.5	1	0.2
185-A1	Agriculture	0.1	0.03	0.3	0.3	0.05	0.3	--	0.5	0.03	0.01	0.003	0.02	0.03	0.004	0.03	--	0.05	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
185G	Garden	0.2	0.03	0.5	0.4	0.02	0.5	--	0.6	0.01	0.02	0.002	0.05	0.04	0.002	0.05	--	0.06	0.001	0.3	0.8	0.6	0.4	0.1	2	1	3	0.2	0.05	0.3	0.07	0.05	0.04	0.8	0.5	1	0.2
185-H1	House	0.09	0.03	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.05	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
186-O1	Other -Not Specified	0.2	0.02	0.2	0.5	0.1	0.3	--	0.6	0.1	0.02	0.001	0.02	0.05	0.01	0.02	--	0.06	0.01	0.3	0.8	0.3	0.5	0.2	2	1	3	0.3	0.05	0.3	0.04	0.06	0.05	0.7	0.5	1	0.2
187-H1	House	0.07	0.01	0.2	0.3	0.06	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
188-A1	Agriculture	0.09	0.03	0.3	0.3	0.04	0.6	--	0.4	0.04	0.01	0.003	0.03	0.03	0.004	0.06	--	0.04	0.004	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
188-G1	Garden	0.1	0.03	0.3	0.3	0.06	0.6	--	0.4	0.05	0.01	0.003	0.03	0.03	0.006	0.05	--	0.04	0.005	0.2	0.8	0.4	0.4	0.2	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
188-G2	Garden	0.1	0.04	0.4	0.3	0.07	0.7	--	0.5	0.06	0.02	0.004	0.03	0.03	0.007	0.06	--	0.05	0.006	0.2	0.8	0.4	0.4	0.2	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
188-G3	Garden	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.003	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
188-H1	House	0.06	0.04	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.004	0.03	0.03	0.002	0.04	--	0.03	0.002	0.1	0.8	0.4	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
188-P1	Play Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.002	0.02	0.02	0.003	0.04	--	0.03	0.003	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
189-G1	Garden	0.06	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
189-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.03	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
189-H2	House	0.09	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
189-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
190-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.007	0.005	0.001	0.02	0.03	0.001	0.03	--	0.03	0.0008	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
190-H1	House	0.04	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.005	0.001	0.02	0.02	0.002	0.03	--	0.02	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
190-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.001	0.03	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
190-N2	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.03	--	0.02	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
190-N3	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.009	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.0009	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
190-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
191-H1	House	0.1	0.02	0.3	0.3	0.09	0.4	--	0.5	0.06	0.02	0.002	0.03	0.03	0.008	0.04	--	0.05	0.006	0.2	0.8	0.3	0.3	0.2	2	1	3	0.3	0.05	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
192-A1	Agriculture	0.1	0.03	0.3	0.3	0.07	0.3	--	0.5	0.03	0.01	0.003	0.03	0.03	0.006	0.03	--	0.05	0.003	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
192-G1	Garden	0.1	0.04	0.3	0.4	0.08	0.3	--	0.6	0.03	0.02	0.004	0.03	0.03	0.007	0.03	--	0.06	0.003	0.2	0.8	0.4	0.4	0.2	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.7	0.5	1	0.2
192-H1	House	0.1	0.03	0.2	0.3	0.06	0.3	--	0.5	0.02	0.01	0.003	0.02	0.03	0.005	0.02	--	0.05	0.002	0.2	0.8	0.3	0.3	0.2	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
193-G1	Garden	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.008	0.005	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.1	0.8	0.2	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
193-H1	House	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.0009	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
194-H1	House	0.03	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	0.8	0.2	0.3	0.1	2	1	3	0.2	0.03	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
194-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
195-G1	Garden	0.1	0.01	0.2	0.2	0.05	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.003	0.2	0.8	0.2	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
195-G2	Garden	0.1	0.01	0.2	0.3	0.09	0.5	--	0.5	0.07	0.02	0.001	0.02	0.03	0.009	0.05	--	0.05	0.007	0.2	0.8	0.3	0.3	0.2	2	1	3	0.3	0.05	0.3	0.04	0.04	0.04	0.8	0.5	1	0.2
195-O1	Other -Not Specified	0.1	0.01	0.1	0.2	0.1	0.4	--	0.4	0.06	0.01	0.0009	0.01	0.02	0.009	0.04	--	0.04	0.007	0.2	0.8	0.2	0.2	0.2	2	1	3	0.3	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
196-A1	Agriculture	0.06	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.007	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
196-A2	Agriculture	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.04	0.008	0.002	0.02	0.02	0.003	0.04	--	0.04	0.004	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
196-G1	Garden	0.07	0.01	0.2	0.3	0.04	0.4	--	0.5	0.02	0.008	0.001	0.02	0.02	0.003	0.04	--	0.05	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
196-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
197-H1	House	0.1	0.03	0.3	0.4	0.05	0.3	--	0.5	0.04	0.01	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.7	0.5	1	0.2
198-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.6	--	0.4	0.03	0.01	0.002	0.02	0.02	0.004	0.06	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
198-H1	House	0.1	0.03	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.06	--	0.06	0.005	0.2	0.8	0.4	0.4	0.2	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
199-G1	Garden	0.04	0.02	0.3	0.4	0.01	0.3	--	0.3	0.006	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.0006	0.1	0.8	0.4	0.5	0.1	2	1	3	0.2	0.04	0.3	0.05	0.05	0.04	0.7	0.5	0.9	0.2
199-O1	Other -Not Specified	0.04	0.02	0.3	0.4	0.02	0.3	--	0.3	0.01	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.001	0.1	0.8	0.3	0.4	0.1	2	1	3	0.2	0.04	0.3	0.05	0.05	0.04	0.7	0.5	0.9	0.2
200-G1	Garden	0.1	0.02	0.4	0.4	0.02	0.7	--	0.5	0.02	0.02	0.002	0.04	0.04	0.002	0.07	--	0.05	0.002	0.2	0.8	0.5	0.4	0.1	2	1	3	0.2	0.05	0.3	0.07	0.05	0.04	0.8	0.5	0.9	0.2
200-H1	House	0.1	0.02	0.4	0.4	0.02	0.6	--	0.4	0.01	0.01	0.002	0.04	0.03	0.002	0.06	--	0.04	0.001	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.05	0.04	0.8	0.5	0.9	0.2
200-O1	Other -Not Specified	0.2	0.03	0.5	0.5	0.02	0.6	--	0.5	0.01	0.02	0.003	0.05	0.05	0.002	0.06	--	0.05	0.001	0.3	0.8	0.6	0.5	0.1	2	1	3	0.2	0.05	0.3	0.07	0.06	0.04	0.8	0.5	1	0.2

Table 5-18. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																		**Total HI Across Pathways**															
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		**By Target Organ System**															
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																		
201G[c]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.8	0.5	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
201-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.1	0.4	--	0.7	0.08	0.03	0.002	0.03	0.04	0.01	0.04	--	0.07	0.008	0.4	0.8	0.4	0.4	0.2	2	1	3	0.3	0.06	0.3	0.06	0.05	0.05	0.7	0.5	1	0.2
202-H1	House	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
202-N1	Animal Activity Area	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
202-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.02	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.002	0.02	--	0.04	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
203-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
203-O1[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
203-O2	Other -Not Specified	0.5	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.06	0.001	0.02	0.03	0.02	0.06	--	0.1	0.01	0.6	0.8	0.3	0.3	0.3	2	1	4	0.3	0.09	0.3	0.05	0.04	0.06	0.8	0.5	1	0.2
203-O3[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
203-O4[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
205-O1	Other -Not Specified	0.4	0.02	0.2	0.3	0.1	0.2	--	1	0.09	0.04	0.002	0.02	0.03	0.01	0.02	--	0.1	0.009	0.5	0.8	0.3	0.3	0.2	2	1	4	0.3	0.07	0.3	0.05	0.04	0.05	0.7	0.5	1	0.2
206-A1	Agriculture	0.1	0.06	0.4	0.3	0.05	0.5	--	0.5	0.05	0.02	0.005	0.04	0.03	0.005	0.04	--	0.05	0.005	0.2	0.8	0.5	0.4	0.1	2	1	3	0.2	0.05	0.3	0.07	0.04	0.04	0.8	0.5	1	0.2
206-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
206-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.03	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
206-H2	House	0.1	0.1	0.7	0.4	0.09	0.6	--	0.7	0.1	0.02	0.01	0.06	0.03	0.008	0.05	--	0.07	0.01	0.2	0.9	0.8	0.4	0.2	2	1	3	0.3	0.05	0.3	0.09	0.04	0.04	0.8	0.5	1	0.2
206-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.1	0.6	--	0.9	0.06	0.03	0.003	0.04	0.04	0.01	0.05	--	0.09	0.006	0.3	0.8	0.4	0.4	0.2	2	1	3	0.2	0.06	0.3	0.06	0.05	0.05	0.8	0.5	1	0.2
207-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.2	0.8	0.2	0.2	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
208AA	Animal Activity Area	0.2	0.02	0.2	0.2	0.05	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.005	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.03	0.04	0.7	0.5	1	0.2
208BM	House	0.2	0.02	0.4	0.3	0.03	0.5	--	0.6	0.03	0.02	0.002	0.04	0.03	0.003	0.04	--	0.06	0.003	0.3	0.8	0.5	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
208G	Garden	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.06	0.003	0.3	0.8	0.5	0.4	0.1	2	1	3	0.2	0.05	0.3	0.07	0.05	0.04	0.8	0.5	1	0.2
208-H1	House	0.3	0.01	0.2	0.3	0.1	0.6	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.06	--	0.08	0.007	0.4	0.8	0.3	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.03	0.04	0.8	0.5	1	0.2
209A	Agriculture	0.2	0.02	0.4	0.3	0.05	0.4	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.04	--	0.05	0.005	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
209-G1	Garden	0.2	0.01	0.2	0.3	0.08	0.6	--	0.7	0.09	0.03	0.001	0.02	0.02	0.008	0.05	--	0.07	0.009	0.3	0.8	0.3	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
209-H1	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.06	--	0.09	0.01	0.4	0.8	0.3	0.3	0.2	2	1	3	0.3	0.07	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
209-P1	Play Area	0.4	0.02	0.3	0.3	0.1	0.7	--	1	0.2	0.05	0.002	0.03	0.03	0.01	0.06	--	0.1	0.02	0.5	0.8	0.3	0.3	0.2	2	1	3	0.3	0.08	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
210-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.003	0.03	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
210-O1	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.01	0.02	0.004	0.03	--	0.04	0.004	0.2	0.8	0.2	0.3	0.1	2	1	3	0.2	0.05	0.3	0.04	0.03	0.04	0.7	0.5	0.9	0.2
211-A1	Garden	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
211-G1	Garden	0.1	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
211-G2	Garden	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
211-H1	House	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.002	0.04	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
211-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.004	0.03	--	0.05	0.005	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.04	0.03	0.04	0.7	0.5	1	0.2
212-H1	House	0.1	0.02	0.3	0.5	0.1	0.3	--	0.6	0.08	0.01	0.002	0.02	0.05	0.01	0.03	--	0.06	0.008	0.2	0.8	0.3	0.6	0.2	2	1	3	0.3	0.04	0.3	0.05	0.06	0.04	0.7	0.5	1	0.2
212-H2	House	0.1	0.01	0.2	0.4	0.05	0.2	--	0.4	0.05	0.02	0.001	0.02	0.03	0.005	0.02	--	0.04	0.005	0.2	0.8	0.3	0.4	0.1	2	1	3	0.2	0.05	0.3	0.04	0.04	0.04	0.7	0.5	0.9	0.2
213-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.02	0.6	--	0.5	0.01	0.02	0.003	0.04	0.03	0.002	0.06	--	0.04	0.001	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
213-O2	Other -Not Specified	0.2	0.03	0.4	0.3	0.04	0.6	--	0.7	0.02	0.02	0.002	0.04	0.03	0.004	0.05	--	0.07	0.002	0.3	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
213-O3	Other -Not Specified	0.1	0.02	0.4	0.4	0.03	0.3	--	0.5	0.02	0.02	0.002	0.03	0.04	0.003	0.03	--	0.05	0.002	0.2	0.8	0.4	0.5	0.1	2	1	3	0.2	0.05	0.3	0.06	0.05	0.04	0.7	0.5	0.9	0.2
21G	Garden	0.3	0.02	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	0.002	0.02	0.02	0.01	0.05	--	0.08	0.009	0.4	0.8	0.3	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.03	0.05	0.8	0.5	1	0.2
226C	House	0.3	0.01	0.2	0.2	0.1	0.3	--	0.9	0.06	0.03	0.001	0.02	0.02	0.01	0.03	--	0.09	0.006	0.3	0.8	0.2	0.2	0.2	2	1	3	0.2	0.06	0.3	0.04	0.03	0.05	0.7	0.5	1	0.2
230G	Garden	0.1	0.02	0.2	0.3	0.03	0.2	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.02	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
231Lower	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.03	--	0.05	0.004	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
238G	Garden	0.08	0.02	0.2	0.2	0.01	0.3	--	0.3	0.01	0.009	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
238M	Other -Not Specified	0.07	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.008	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
280yard	House	0.2	0.02	0.3	0.3	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008	0.3	0.8	0.4	0.3	0.2	2	1	3	0.3	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
284M	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
285M	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.4	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.04	--	0.05	0.004	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
288G1	Garden	0.1	0.02	0.3	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
288G2	Garden	0.08	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.7	0.5	0.9	0.2
289G3	Garden	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
317M	Play Area	0.6	0.02	0.4	0.3	0.1	0.4	--	1	0.2	0.06	0.002	0.03	0.03	0.01	0.04	--	0.1	0.02	0.6	0.8	0.4	0.4	0.2	2	1	4	0.4	0.09	0.3	0.06	0.04	0.05	0.8	0.5	1	0.2
319M[c]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.8	0.5	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
320new	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.4	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.09	0.01	0.4	0.8	0.4	0.4	0.2	2	1	3	0.3	0.07	0.3	0.06	0.04	0.05	0.7	0.5	1	0.2
35PA[c]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.2	0.8	0.5	0.3	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
59A	House	0.3	0.01	0.2	0.2	0.1	0.4	--	0.7	0.1	0.04	0.001	0.02	0.02	0.01	0.04	--	0.07	0.01	0.4	0.8	0.2	0.2	0.2	2	1	3	0.3	0.07	0.3	0.04	0.03	0.05	0.7	0.5	1	0.2
62G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.002	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
72M	Agriculture	0.3	0.03	0.3	0.3	0.09	0.5	--	0.6	0.07	0.03	0.002	0.03	0.03	0.008	0.04	--	0.06	0.007	0.3	0.8	0.4	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
72U	Other -Not Specified	0.2	0.04	0.4	0.4	0.04	0.5	--	0.6	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.06	0.003	0.3	0.8	0.5	0.4	0.1	2	1	3	0.2	0.05	0.3	0.07	0.05	0.04	0.8	0.5	1	0.2
94M	Agriculture	0.1	0.02	0.3	0.3	0.03	0.3	--	0.5	0.02	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.002	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.7	0.5	1	0.2
999G1	Garden	0.2	0.03	0.3	0.3	0.03	0.5	--	0.4	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
999M1	House	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.05	--	0.04	0.003	0.2	0.8	0.5	0.4	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
999M2	Garden	0.1	0.03	0.5	0.4	0.02	0.5	--	0.4	0.01	0.01	0.003	0.04	0.04	0.002	0.05	--	0.04	0.001	0.2	0.8	0.5	0.4	0.1	2	1	3	0.2	0.04	0.3	0.07	0.05	0.04	0.8	0.5	0.9	0.2
999M3	Other -Not Specified	0.2	0.05	0.7	0.6	0.06	1	--	0.8	0.06	0.02	0.004	0.06	0.06	0.006	0.09	--	0.08	0.006	0.3	0.8	0.7	0.6	0.2	2	1	3	0.2	0.05	0.3	0.09	0.07	0.04	0.8	0.5	1	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-19. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
Indoor Air		--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																		
Outdoor Air		--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02		**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Smallmouth Bass)		0.04	2	0.02	0.01	0.1	2	1	3	--	0.01	0.6	0.008	0.004	0.04	0.7	0.5	0.9	--																		
Residential Soil/Dust[a]		**Number of DUs that exeed benchmark[c] for Soil/Dust:**									**Number of DUs that exeed benchmark[c] for Soil/Dust:**																													
DU	DU Type	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	588	0	0	0	588	0	588	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
9	Agriculture	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
13	Other -Not Specified	0.2	0.02	0.3	0.3	0.03	0.6	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
14	Garden	0.2	0.02	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
15	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.02	0.002	0.03	0.02	0.004	0.04	--	0.05	0.003	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
16	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.05	--	0.09	0.01	0.3	2	0.4	0.3	0.2	3	1	3	0.3	0.05	0.6	0.04	0.03	0.05	1	0.5	1	0.2
17	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.005	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.04	0.03	0.05	1	0.5	1	0.2
18[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
20[b]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
21	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.02	0.02	0.002	0.03	0.02	0.004	0.04	--	0.04	0.002	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
22	House	0.3	0.02	0.3	0.3	0.05	0.4	--	0.6	0.04	0.03	0.001	0.02	0.02	0.004	0.04	--	0.06	0.004	0.3	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
25	House	0.1	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
27	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.2	2	0.4	0.3	0.2	3	1	3	0.2	0.03	0.6	0.04	0.03	0.05	1	0.5	1	0.2
28	Garden	0.07	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
29	Other -Not Specified	0.09	0.02	0.3	0.3	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
30	Other -Not Specified	0.2	0.02	0.4	0.3	0.02	0.5	--	0.4	0.01	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.001	0.2	2	0.4	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
31	Other -Not Specified	0.2	0.02	0.4	0.3	0.07	0.8	--	0.7	0.07	0.02	0.002	0.03	0.03	0.007	0.07	--	0.07	0.007	0.3	2	0.4	0.4	0.2	3	1	3	0.3	0.04	0.6	0.04	0.04	0.05	1	0.5	1	0.2
33	House	0.2	0.02	0.2	0.2	0.1	0.5	--	0.6	0.05	0.02	0.002	0.02	0.02	0.009	0.04	--	0.06	0.005	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
35[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
39[b]	Agriculture	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
40[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
42	House	0.09	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.04	0.004	0.1	2	0.2	0.2	0.2	2	1	3	0.2	0.02	0.6	0.02	0.03	0.05	1	0.5	1	0.2
44	Agriculture	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.1	2	0.2	0.2	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
46	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005	0.2	2	0.2	0.2	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
47	Agriculture	0.1	0.01	0.2	0.3	0.07	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.007	0.04	--	0.05	0.005	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
49[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
55	House	0.09	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
56	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.006	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.04	0.04	0.05	1	0.5	1	0.2
58	Agriculture	0.09	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
59	House	0.2	0.01	0.1	0.2	0.09	0.3	--	0.5	0.07	0.02	0.0009	0.01	0.02	0.009	0.03	--	0.05	0.007	0.2	2	0.2	0.2	0.2	2	1	3	0.3	0.03	0.6	0.02	0.02	0.05	1	0.5	1	0.2
60	Garden	0.1	0.02	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002	0.1	2	0.2	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
61	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.004	0.2	2	0.2	0.2	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
62	House	0.1	0.02	0.3	0.3	0.03	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.004	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
66	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.5	--	0.6	0.04	0.02	0.001	0.02	0.03	0.007	0.04	--	0.06	0.004	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
67	Garden	0.2	0.02	0.3	0.3	0.09	0.5	--	0.6	0.05	0.03	0.002	0.02	0.03	0.008	0.05	--	0.06	0.005	0.3	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
70	House	0.2	0.03	0.3	0.3	0.08	0.4	--	0.6	0.06	0.02	0.003	0.03	0.03	0.008	0.04	--	0.06	0.006	0.3	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
71	Garden	0.2	0.03	0.3	0.3	0.06	0.4	--	0.5	0.04	0.03	0.003	0.03	0.03	0.005	0.04	--	0.05	0.004	0.3	2	0.4	0.3	0.2	3	1	3	0.2	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
72	Garden	0.2	0.04	0.4	0.4	0.08	0.4	--	0.7	0.08	0.03	0.004	0.04	0.04	0.008	0.03	--	0.07	0.008	0.3	2	0.5	0.4	0.2	2	1	3	0.3	0.04	0.6	0.05	0.04	0.05	1	0.5	1	0.2
75	House	0.3	0.02	0.3	0.3	0.2	0.7	--	0.9	0.1	0.03	0.001	0.03	0.03	0.02	0.06	--	0.09	0.01	0.3	2	0.3	0.3	0.3	3	1	3	0.3	0.05	0.6	0.03	0.03	0.06	1	0.5	1	0.2
82	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.04	0.04	1	0.5	1	0.2
85	House	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
86	Agriculture	0.1	0.02	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.003	0.2	2	0.3	0.3	0.1	2	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
87	Agriculture	0.09	0.02	0.2	0.2	0.03	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
106	House	0.4	0.02	0.2	0.3	0.1	0.6	--	0.8	0.07	0.04	0.001	0.02	0.02	0.01	0.05	--	0.08	0.007	0.4	2	0.2	0.3	0.2	3	1	3	0.3	0.06	0.6	0.03	0.03	0.05	1	0.5	1	0.2
107	Garden	0.3	0.02	0.3	0.3	0.09	0.6	--	0.6	0.05	0.03	0.002	0.03	0.03	0.008	0.06	--	0.06	0.005	0.3	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
108	Garden	0.3	0.03	0.3	0.3	0.07	0.5	--	0.6	0.05	0.04	0.003	0.02	0.03	0.007	0.04	--	0.06	0.005	0.4	2	0.3	0.3	0.2	3	1	3	0.2	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
109[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
110	House	0.1	0.01	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	2	0.2	0.2	0.1	2	1	3	0.2	0.03	0.6	0.02	0.02	0.04	1	0.5	1	0.2
111	Other -Not Specified	0.1	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.03	0.6	0.03	0.02	0.04	1	0.5	1	0.2
112	House	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.06	0.002	0.03	0.02	0.01	0.05	--	0.1	0.01	0.6	2	0.3	0.3	0.3	3	1	4	0.3	0.07	0.6	0.03	0.03	0.05	1	0.5	1	0.2
121	House	0.2	0.03	0.5	0.4	0.04	0.8	--	0.7	0.06	0.02	0.003	0.05	0.04	0.004	0.08	--	0.07	0.006	0.2	2	0.6	0.4	0.2	3	1	3	0.3	0.03	0.6	0.06	0.04	0.04	1	0.5	1	0.2
122	Other -Not Specified	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.03	0.003	0.04	0.04	0.003	0.06	--	0.06	0.003	0.3	2	0.5	0.4	0.1	3	1	3	0.2	0.04	0.6	0.05	0.04	0.04	1	0.5	1	0.2
123	House	0.3	0.02	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	0.002	0.03	0.02	0.01	0.05	--	0.08	0.01	0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
135	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.004	0.2	2	0.2	0.2	0.1	2	1	3	0.2	0.03	0.6	0.03	0.02	0.04	1	0.5	1	0.2
146	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.002	0.05	--	0.05	0.003	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
147	Garden	0.09	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.001	0.03	--	0.03	0.001	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
151[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
152	Other -Not Specified	0.2	0.02	0.4	0.3	0.05	0.4	--	0.6	0.07	0.02	0.002	0.03	0.03	0.004	0.04	--	0.06	0.007	0.2	2	0.4	0.3	0.2	3	1	3	0.3	0.03	0.6	0.04	0.03	0.05	1	0.5	1	0.2
154	House	0.06	0.01	0.1	0.2	0.02	0.2	--	0.2	0.02	0.007	0.001	0.01	0.02	0.002	0.02	--	0.02	0.002	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.02	0.04	1	0.5	1	0.2
160	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.05	0.02	0.002	0.03	0.02	0.004	0.05	--	0.05	0.005	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
163	House	0.2	0.02	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.04	--	0.05	0.004	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.04	0.6	0.03	0.03	0.04	1	0.5	1	0.2

Table 5-19. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																						
164	Agriculture	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
167	Agriculture	0.1	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.03	0.6	0.03	0.02	0.04	1	0.5	1	0.2
168	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.009	0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
169	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.6	--	0.7	0.07	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.007	0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
170[b]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
175	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.02	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004	0.2	2	0.2	0.2	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
177	Agriculture	0.3	0.01	0.2	0.2	0.05	0.3	--	0.6	0.05	0.03	0.001	0.02	0.02	0.004	0.03	--	0.06	0.005	0.3	2	0.2	0.2	0.2	2	1	3	0.2	0.04	0.6	0.02	0.02	0.05	1	0.5	1	0.2
185	House	0.3	0.02	0.4	0.3	0.06	0.4	--	0.7	0.05	0.03	0.002	0.04	0.03	0.006	0.04	--	0.07	0.005	0.3	2	0.4	0.4	0.2	3	1	3	0.2	0.04	0.6	0.04	0.04	0.05	1	0.5	1	0.2
186	House	0.2	0.02	0.3	0.2	0.06	0.3	--	0.6	0.06	0.02	0.002	0.02	0.02	0.005	0.03	--	0.06	0.006	0.2	2	0.3	0.2	0.2	2	1	3	0.3	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
189	House	0.2	0.02	0.3	0.3	0.05	0.5	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.05	--	0.06	0.004	0.3	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
192	House	0.2	0.03	0.4	0.3	0.06	0.4	--	0.7	0.06	0.02	0.003	0.04	0.03	0.006	0.04	--	0.07	0.006	0.2	2	0.4	0.3	0.2	3	1	3	0.2	0.04	0.6	0.05	0.04	0.05	1	0.5	1	0.2
193	House	0.2	0.01	0.2	0.3	0.08	0.3	--	0.6	0.04	0.02	0.001	0.02	0.03	0.008	0.03	--	0.06	0.004	0.2	2	0.2	0.3	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
194[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
196[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
201	House	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
203[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
206	House	0.1	0.02	0.3	0.2	0.05	0.3	--	0.5	0.04	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.004	0.2	2	0.3	0.3	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
208	Other -Not Specified	0.2	0.02	0.4	0.3	0.1	0.4	--	0.6	0.05	0.02	0.002	0.03	0.03	0.01	0.04	--	0.06	0.005	0.2	2	0.4	0.3	0.3	3	1	3	0.2	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
213	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.4	--	0.8	0.09	0.04	0.002	0.02	0.02	0.01	0.04	--	0.08	0.009	0.4	2	0.3	0.3	0.2	3	1	3	0.3	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
216	House	0.3	0.01	0.2	0.3	0.1	0.4	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.04	--	0.07	0.007	0.3	2	0.2	0.3	0.2	3	1	3	0.3	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
218[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
229	Play Area	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
231	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.004	0.3	2	0.2	0.3	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
246	Play Area	0.05	0.02	0.2	0.2	0.01	0.2	--	0.2	0.01	0.006	0.002	0.02	0.02	0.001	0.02	--	0.02	0.001	0.09	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.02	0.04	1	0.5	1	0.2
249	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	2	0.2	0.2	0.1	2	1	3	0.2	0.03	0.6	0.03	0.02	0.04	1	0.5	1	0.2
250	House	0.2	0.01	0.2	0.2	0.05	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.005	0.03	--	0.04	0.003	0.2	2	0.2	0.2	0.2	2	1	3	0.2	0.03	0.6	0.03	0.02	0.05	1	0.5	1	0.2
253	House	0.1	0.01	0.2	0.2	0.03	0.2	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
280	Other -Not Specified	0.3	0.02	0.4	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.009	0.05	--	0.07	0.009	0.3	2	0.4	0.3	0.2	3	1	3	0.3	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
287	Agriculture	0.1	0.02	0.3	0.3	0.09	0.6	--	0.6	0.06	0.02	0.001	0.03	0.03	0.008	0.06	--	0.06	0.006	0.2	2	0.3	0.3	0.2	3	1	3	0.3	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
288	House	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
291	Agriculture	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.02	0.04	1	0.5	1	0.2
306	Other -Not Specified	0.1	0.01	0.2	0.2	0.02	0.2	--	0.4	0.02	0.01	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.02	0.04	1	0.5	1	0.2
315	House	0.1	0.02	0.3	0.3	0.01	0.3	--	0.4	0.01	0.01	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
316	Other -Not Specified	0.1	0.02	0.3	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004	0.1	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.04	0.03	0.05	1	0.5	1	0.2
317	House	0.3	0.03	0.4	0.3	0.06	0.4	--	0.8	0.07	0.03	0.002	0.03	0.03	0.006	0.03	--	0.08	0.007	0.3	2	0.4	0.3	0.2	2	1	3	0.3	0.05	0.6	0.04	0.04	0.05	1	0.5	1	0.2
318	Other -Not Specified	0.4	0.02	0.3	0.3	0.1	0.4	--	1	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.1	0.01	0.4	2	0.4	0.3	0.2	3	1	4	0.3	0.06	0.6	0.04	0.03	0.05	1	0.5	1	0.2
319	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.5	--	1	0.2	0.04	0.002	0.03	0.03	0.01	0.05	--	0.1	0.02	0.4	2	0.4	0.3	0.2	3	1	4	0.4	0.06	0.6	0.04	0.04	0.05	1	0.5	1	0.2
325	Garden	0.1	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
326	Other -Not Specified	0.08	0.02	0.2	0.2	0.02	0.2	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
327	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.02	0.04	1	0.5	1	0.2
345	Play Area	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.003	0.2	2	0.4	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.04	0.04	1	0.5	1	0.2
346	Garden	0.2	0.02	0.3	0.3	0.07	0.5	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	0.2	2	0.4	0.3	0.2	3	1	3	0.2	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
347	Other -Not Specified	0.2	0.01	0.3	0.2	0.09	0.4	--	0.7	0.09	0.02	0.001	0.02	0.02	0.009	0.04	--	0.07	0.009	0.2	2	0.3	0.2	0.2	3	1	3	0.3	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
801	Other -Not Specified	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.06	0.03	0.001	0.01	0.03	0.009	0.02	--	0.07	0.006	0.3	2	0.2	0.3	0.2	2	1	3	0.2	0.04	0.6	0.02	0.03	0.05	1	0.5	1	0.2
1001	Other -Not Specified	0.3	0.01	0.2	0.4	0.1	0.2	--	0.8	0.1	0.03	0.001	0.02	0.03	0.01	0.02	--	0.08	0.01	0.3	2	0.2	0.4	0.2	2	1	3	0.3	0.05	0.6	0.02	0.04	0.05	1	0.5	1	0.2
1005	Garden	0.2	0.02	0.3	0.3	0.05	0.3	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	0.2	2	0.3	0.3	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
1006	House	0.1	0.03	0.3	0.3	0.03	0.3	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.03	--	0.04	0.003	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
1007	Garden	0.08	0.03	0.3	0.3	0.02	0.3	--	0.4	0.02	0.009	0.003	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
1008	Agriculture	0.09	0.03	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.003	0.02	0.02	0.004	0.03	--	0.04	0.004	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
1010	Agriculture	0.1	0.03	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004	0.2	2	0.2	0.2	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
1011	Agriculture	0.2	0.02	0.1	0.2	0.06	0.2	--	0.4	0.05	0.02	0.001	0.01	0.01	0.006	0.02	--	0.04	0.005	0.2	2	0.2	0.2	0.2	2	1	3	0.2	0.03	0.6	0.02	0.02	0.05	1	0.5	1	0.2
1015	Garden	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
1017	Garden	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.03	0.6	0.02	0.03	0.04	1	0.5	1	0.2
1018	Garden	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
1020	Garden	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.05	0.004	0.2	2	0.2	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
1021[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
1030[b]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
1035	Garden	0.2	0.03	0.3	0.3	0.05	0.5	--	0.5	0.04	0.02	0.003	0.03	0.03	0.005	0.05	--	0.05	0.004	0.2	2	0.4	0.3	0.2	3	1	3	0.2	0.03	0.6	0.04	0.03	0.05	1	0.5	1	0.2
1036	Play Area	0.1	0.02	0.3	0.3	0.03	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
1037	Garden	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.003	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.04	0.03	0.05	1	0.5	1	0.2
1060	House	0.1	0.02	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.1	2	0.3	0.2	0.1	2	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
3000	House	0.05	0.02	0.2	0.2	0.01	0.2	--	0.3	0.008	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	0.09	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
3001	Garden	0.3	0.04	0.5	0.5	0.1	0.5	--	1	0.07	0.04	0.003	0.05	0.05	0.01	0.04	--	0.1	0.008	0.4	2	0.5	0.5	0.2	3	1	4	0.3	0.05	0.6	0.05	0.05	0.05	1	0.5	1	0.2
3003	Other -Not Specified	0.4	0.02	0.4	0.4	0.09	0.4	--	0.9	0.08	0.04	0.002	0.03	0.04	0.008	0.04	--	0.09	0.009	0.4	2	0.4	0.4	0.2	3	1	3	0.3	0.06	0.6	0.04	0.04	0.05	1	0.5	1	0.2
3004	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
075-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2

Table 5-19. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																		**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																				
075-H1	House	0.1	0.02	0.2	0.3	0.05	0.5	--	0.5	0.05	0.01	0.0001	0.02	0.02	0.005	0.04	--	0.05	0.005	0.1	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
075-O1	Other -Not Specified	0.1	0.02	0.2	0.6	0.08	0.3	--	0.6	0.09	0.02	0.002	0.02	0.05	0.007	0.03	--	0.06	0.009	0.2	2	0.2	0.6	0.2	2	1	3	0.3	0.03	0.6	0.03	0.06	0.05	1	0.5	1	0.2
076-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.2	2	0.3	0.4	0.2	3	1	3	0.2	0.03	0.6	0.04	0.04	0.05	1	0.5	1	0.2
076-G2	Garden	0.2	0.02	0.3	0.4	0.06	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.005	0.2	2	0.3	0.4	0.2	3	1	3	0.2	0.04	0.6	0.04	0.04	0.05	1	0.5	1	0.2
076-H1	House	0.1	0.02	0.3	0.3	0.04	0.7	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.005	0.2	2	0.4	0.4	0.2	3	1	3	0.2	0.03	0.6	0.04	0.04	0.05	1	0.5	1	0.2
076-H2	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
076-N1	Animal Activity Area	0.2	0.02	0.3	0.4	0.1	0.6	--	0.5	0.04	0.02	0.002	0.03	0.03	0.009	0.05	--	0.05	0.004	0.2	2	0.4	0.4	0.2	3	1	3	0.2	0.03	0.6	0.04	0.04	0.05	1	0.5	1	0.2
077-A1	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.08	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
077-A2	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.07	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
077-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
077-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.08	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.02	0.04	1	0.5	1	0.2
077-H2	House	0.04	0.01	0.2	0.2	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.08	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
077-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
078-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.02	0.002	0.08	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
078-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.009	0.004	0.001	0.01	0.02	0.0006	0.02	--	0.02	0.0009	0.07	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.02	0.04	1	0.5	1	0.2
078-N1	Animal Activity Area	0.04	0.01	0.2	0.2	0.009	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.001	0.08	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.02	0.04	1	0.5	1	0.2
078-O1	Other -Not Specified	0.04	0.01	0.2	0.3	0.008	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.0008	0.03	--	0.02	0.001	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
079-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.1	2	0.2	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
079-H2	House	0.2	0.02	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.05	--	0.05	0.004	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
080-H1	House	0.1	0.04	0.5	0.4	0.02	0.5	--	0.5	0.01	0.02	0.004	0.05	0.03	0.001	0.04	--	0.05	0.001	0.2	2	0.5	0.4	0.1	3	1	3	0.2	0.03	0.6	0.05	0.04	0.04	1	0.5	1	0.2
081-A1	Agriculture	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
081-H1	House	0.09	0.03	0.4	0.3	0.02	0.4	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.04	--	0.04	0.003	0.1	2	0.4	0.4	0.1	3	1	3	0.2	0.02	0.6	0.04	0.04	0.04	1	0.5	1	0.2
081-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.05	0.5	--	0.5	0.06	0.01	0.002	0.04	0.04	0.005	0.05	--	0.05	0.006	0.2	2	0.4	0.4	0.2	3	1	3	0.2	0.03	0.6	0.05	0.04	0.05	1	0.5	1	0.2
082-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.009	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.0009	0.09	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
082-G2	Garden	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.1	2	0.2	0.2	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
082-H1	House	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002	0.09	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
082-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002	0.1	2	0.2	0.3	0.1	3	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
082-N2	Animal Activity Area	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.1	2	0.2	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
083-G1	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
083-G2	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.03	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
083-H1	House	0.08	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
084-H1	House	0.04	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.005	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001	0.08	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
085-H1	House	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
085-O1	Other -Not Specified	0.1	0.02	0.4	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.005	0.04	--	0.04	0.004	0.1	2	0.4	0.3	0.2	3	1	3	0.2	0.03	0.6	0.04	0.03	0.05	1	0.5	1	0.2
085-P1	Play Area	0.2	0.03	0.3	0.3	0.06	0.7	--	0.6	0.06	0.02	0.003	0.03	0.03	0.005	0.07	--	0.06	0.006	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
086-G1	Garden	0.09	0.01	0.2	0.3	0.03	0.5	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.1	2	0.2	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
086-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.1	2	0.2	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
086-H2	House	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
087-H1	House	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.1	2	0.2	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
087-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.005	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
088-H1	House	0.2	0.02	0.3	0.3	0.08	0.7	--	0.8	0.08	0.03	0.002	0.03	0.03	0.007	0.06	--	0.08	0.008	0.3	2	0.3	0.4	0.2	3	1	3	0.3	0.04	0.6	0.03	0.04	0.05	1	0.5	1	0.2
088-H2	House	0.1	0.01	0.2	0.2	0.05	0.4	--	0.5	0.06	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.006	0.2	2	0.2	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
088-O1	Other -Not Specified	0.2	0.01	0.2	0.3	0.06	0.7	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.06	--	0.06	0.006	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
089-A1	Agriculture	0.1	0.02	0.3	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	2	0.3	0.4	0.1	3	1	3	0.2	0.03	0.6	0.03	0.04	0.04	1	0.5	1	0.2
089-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.004	0.2	2	0.3	0.4	0.1	3	1	3	0.2	0.03	0.6	0.03	0.04	0.04	1	0.5	1	0.2
089-O1	Other -Not Specified	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
090-H1	House	0.05	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.006	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.09	2	0.2	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
090-O2	Other -Not Specified	0.06	0.02	0.3	0.4	0.04	0.5	--	0.5	0.02	0.007	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.09	2	0.3	0.4	0.1	3	1	3	0.2	0.02	0.6	0.04	0.04	0.04	1	0.5	1	0.2
091-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.003	0.2	2	0.3	0.4	0.1	3	1	3	0.2	0.03	0.6	0.04	0.04	0.04	1	0.5	1	0.2
091-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
092-O1	Other -Not Specified	0.08	0.02	0.2	0.2	0.07	0.3	--	0.5	0.06	0.01	0.001	0.02	0.02	0.007	0.02	--	0.05	0.006	0.1	2	0.2	0.2	0.2	2	1	3	0.3	0.02	0.6	0.02	0.02	0.05	1	0.5	1	0.2
092-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004	0.1	2	0.2	0.2	0.2	2	1	3	0.2	0.02	0.6	0.02	0.02	0.05	1	0.5	1	0.2
093-H1	House	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.002	0.2	2	0.2	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
094-H1	House	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	2	0.2	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
094-P1	Play Area	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.06	--	0.05	0.004	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
095-A1	Agriculture	0.2	0.01	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.007	0.06	--	0.06	0.007	0.2	2	0.2	0.3	0.2	3	1	3	0.3	0.03	0.6	0.03	0.04	0.05	1	0.5	1	0.2
095-H1	House	0.2	0.02	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.02	0.03	0.005	0.05	--	0.06	0.005	0.2	2	0.3	0.4	0.2	3	1	3	0.2	0.03	0.6	0.03	0.04	0.05	1	0.5	1	0.2
095-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.07	0.5	--	0.5	0.06	0.02	0.001	0.02	0.03	0.006	0.05	--	0.05	0.006	0.2	2	0.2	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
095-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.008	0.06	--	0.06	0.007	0.2	2	0.2	0.3	0.2	3	1	3	0.3	0.04	0.6	0.03	0.04	0.05	1	0.5	1	0.2
096-H1	House	0.2	0.02	0.3	0.3	0.08	0.5	--	0.6	0.07	0.02	0.002	0.03	0.03	0.007	0.05	--	0.06	0.007	0.2	2	0.3	0.3	0.2	3	1	3	0.3	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
096-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.09	0.5	--	0.9	0.1	0.03	0.002	0.03	0.03	0.008	0.05	--	0.09	0.01	0.3	2	0.3	0.4	0.2	3	1	3	0.3	0.05	0.6	0.03	0.04	0.05	1	0.5	1	0.2
097-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.03	--	0.05	0.004	0.1	2	0.3	0.3	0.2	2	1	3	0.2	0.02	0.6	0.03	0.03	0.05	1	0.5	1	0.2
097-H2	House	0.08	0.02	0.2	0.3	0.03	0.2	--	0.6	0.04	0.009	0.002	0.02	0.03	0.003	0.02	--	0.05	0.004	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
098-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
098-H1	House	0.03	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.004	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001	0.07	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
098-O1	Other -Not Specified	0.03	0.01	0.2	0.3	0.01	0.3	--	0.3	0.008	0.004	0.001	0.02	0.03	0.001	0.02	--	0.03	0.0008	0.07	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
099-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2

Table 5-19. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	
		Child									Adult										Child									Adult									
DU	DU Type																																						
099-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.4	--	0.3	0.03	0.01	0.0001	0.02	0.02	0.003	0.04	--	0.03	0.003		0.1	2	0.2	0.2	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
099-H1	House	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.05	0.01	0.0001	0.02	0.02	0.005	0.03	--	0.04	0.005		0.1	2	0.2	0.2	0.2	2	1	3	0.2	0.02	0.6	0.02	0.02	0.05	1	0.5	1	0.2
099-O1	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.005	0.03	--	0.05	0.005		0.1	2	0.2	0.2	0.2	2	1	3	0.2	0.02	0.6	0.02	0.02	0.05	1	0.5	1	0.2
100-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.4	--	0.5	0.02	0.008	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002		0.1	2	0.3	0.4	0.1	3	1	3	0.2	0.02	0.6	0.03	0.04	0.04	1	0.5	1	0.2
100-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.006		0.1	2	0.3	0.3	0.2	3	1	3	0.2	0.02	0.6	0.03	0.03	0.05	1	0.5	1	0.2
100-N1	Animal Activity Area	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003		0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
100-N2	Animal Activity Area	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003		0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.04	0.04	1	0.5	1	0.2
100-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.03	--	0.04	0.004		0.1	2	0.2	0.2	0.2	2	1	3	0.2	0.02	0.6	0.03	0.03	0.05	1	0.5	1	0.2
101-G1	Garden	0.09	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002		0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
101-H1	House	0.08	0.02	0.2	0.3	0.05	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.005		0.1	2	0.3	0.3	0.2	3	1	3	0.2	0.02	0.6	0.03	0.03	0.05	1	0.5	1	0.2
101-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.07	0.02	0.002	0.03	0.03	0.006	0.05	--	0.05	0.007		0.2	2	0.3	0.3	0.2	3	1	3	0.3	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
102-G1	Garden	0.09	0.02	0.4	0.4	0.03	0.6	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002		0.1	2	0.4	0.4	0.1	3	1	3	0.2	0.02	0.6	0.04	0.04	0.04	1	0.5	1	0.2
102-H1	House	0.07	0.03	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001		0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
103-H1	House	0.1	0.01	0.2	0.3	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004		0.1	2	0.2	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
103-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.04	--	0.04	0.004		0.1	2	0.2	0.2	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
104-H1	House	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.05	0.03	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006		0.3	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
104-H2	House	0.2	0.01	0.2	0.3	0.04	0.4	--	0.6	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.06	0.005		0.3	2	0.2	0.3	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
104-N1	Animal Activity Area	0.2	0.01	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.004	0.04	--	0.05	0.004		0.3	2	0.2	0.3	0.1	3	1	3	0.2	0.04	0.6	0.02	0.03	0.04	1	0.5	1	0.2
105-H1	House	0.1	0.01	0.1	0.2	0.04	0.3	--	0.3	0.03	0.01	0.0009	0.01	0.02	0.004	0.03	--	0.03	0.003		0.2	2	0.2	0.2	0.1	2	1	3	0.2	0.03	0.6	0.02	0.02	0.04	1	0.5	1	0.2
105-P1	Play Area	0.1	0.007	0.1	0.1	0.09	0.3	--	0.4	0.04	0.01	0.0007	0.009	0.01	0.009	0.02	--	0.04	0.004		0.2	2	0.1	0.2	0.2	2	1	3	0.2	0.03	0.6	0.02	0.02	0.05	1	0.5	1	0.2
106-G1	Garden	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.006	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001		0.09	2	0.3	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.02	0.04	1	0.5	1	0.2
106-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001		0.09	2	0.2	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
106-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.002	0.02	0.03	0.001	0.03	--	0.02	0.001		0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
106-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.01	0.3	--	0.3	0.008	0.006	0.002	0.02	0.03	0.001	0.03	--	0.03	0.0008		0.09	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
107-H1	House	0.08	0.01	0.2	0.2	0.09	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.009	0.04	--	0.05	0.005		0.1	2	0.2	0.3	0.2	3	1	3	0.2	0.02	0.6	0.02	0.03	0.05	1	0.5	1	0.2
108-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.03	--	0.04	0.003		0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
108-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.005		0.1	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
108-O2	Other -Not Specified	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.04	--	0.03	0.003		0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
109-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
110-A1	Agriculture	0.1	0.01	0.3	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.05	--	0.05	0.004		0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
110G	Garden	0.1	0.02	0.2	0.2	0.02	0.4	--	0.3	0.01	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001		0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.03	0.6	0.03	0.02	0.04	1	0.5	1	0.2
110-G1	Garden	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.05	--	0.04	0.003		0.1	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
110-G2	Garden	0.06	0.01	0.2	0.3	0.02	0.5	--	0.3	0.01	0.007	0.001	0.02	0.03	0.002	0.05	--	0.03	0.001		0.1	2	0.3	0.4	0.1	3	1	3	0.2	0.02	0.6	0.03	0.04	0.04	1	0.5	1	0.2
110-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002		0.1	2	0.2	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
110-O1	Other -Not Specified	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002		0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
110-O2	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.01	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004		0.1	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
111-H1	House	0.07	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001		0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
112G	Garden	0.3	0.03	0.3	0.3	0.1	0.6	--	0.7	0.06	0.04	0.002	0.03	0.02	0.01	0.05	--	0.07	0.006		0.4	2	0.3	0.3	0.2	3	1	3	0.3	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
112-G1	Garden	0.2	0.04	0.3	0.3	0.06	0.4	--	0.5	0.06	0.02	0.004	0.03	0.03	0.006	0.03	--	0.05	0.006		0.2	2	0.3	0.3	0.2	3	1	3	0.3	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
112-H1	House	0.2	0.04	0.3	0.3	0.05	0.3	--	0.4	0.06	0.02	0.003	0.03	0.03	0.005	0.03	--	0.04	0.006		0.2	2	0.3	0.3	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
112-O1	Other -Not Specified	0.3	0.03	0.3	0.3	0.1	0.4	--	0.7	0.1	0.03	0.003	0.03	0.03	0.01	0.04	--	0.07	0.01		0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
113-G1	Garden	0.2	0.02	0.3	0.4	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008		0.2	2	0.3	0.4	0.2	3	1	3	0.3	0.04	0.6	0.04	0.04	0.05	1	0.5	1	0.2
113-G2	Garden	0.2	0.02	0.3	0.4	0.1	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.008		0.2	2	0.3	0.4	0.2	3	1	3	0.3	0.04	0.6	0.04	0.04	0.05	1	0.5	1	0.2
113-G3	Garden	0.1	0.02	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004		0.1	2	0.2	0.3	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
113low	Other -Not Specified	0.3	0.02	0.3	0.3	0.08	0.6	--	0.8	0.08	0.03	0.002	0.03	0.03	0.008	0.06	--	0.08	0.008		0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.05	0.6	0.03	0.04	0.05	1	0.5	1	0.2
113-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.006	0.04	--	0.05	0.006		0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
113up	Other -Not Specified	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.05	0.001	0.02	0.02	0.01	0.06	--	0.1	0.01		0.5	2	0.3	0.3	0.2	3	1	3	0.3	0.07	0.6	0.03	0.03	0.05	1	0.5	1	0.2
114-G1	Garden	0.1	0.02	0.2	0.4	0.05	0.2	--	0.5	0.09	0.02	0.001	0.02	0.04	0.005	0.02	--	0.05	0.01		0.2	2	0.2	0.4	0.2	2	1	3	0.3	0.03	0.6	0.02	0.04	0.05	1	0.5	1	0.2
114-H1	House	0.2	0.02	0.2	0.5	0.08	0.3	--	0.6	0.1	0.02	0.002	0.02	0.05	0.008	0.03	--	0.06	0.01		0.2	2	0.2	0.5	0.2	2	1	3	0.3	0.03	0.6	0.03	0.05	0.05	1	0.5	1	0.2
114-O1	Other -Not Specified	0.1	0.02	0.2	0.5	0.07	0.3	--	0.6	0.09	0.02	0.002	0.02	0.05	0.007	0.03	--	0.06	0.01		0.2	2	0.2	0.5	0.2	2	1	3	0.3	0.03	0.6	0.03	0.05	0.05	1	0.5	1	0.2
115-O1	Other -Not Specified	0.5	0.03	0.4	0.4	0.1	0.4	--	1	0.06	0.06	0.002	0.03	0.04	0.01	0.03	--	0.1	0.007		0.5	2	0.4	0.4	0.2	3	1	4	0.3	0.07	0.6	0.04	0.04	0.05	1	0.5	1	0.2
115SP	Other -Not Specified	0.4	0.02	0.3	0.3	0.2	0.5	--	1	0.1	0.04	0.002	0.02	0.03	0.02	0.05	--	0.1	0.01		0.4	2	0.3	0.3	0.3	3	1	4	0.3	0.05	0.6	0.03	0.03	0.06	1	0.5	1	0.2
116M	House	0.2	0.02	0.2	0.4	0.2	0.2	--	0.7	0.08	0.03	0.001	0.02	0.04	0.02	0.02	--	0.07	0.008		0.3	2	0.3	0.4	0.3	2	1	3	0.3	0.04	0.6	0.03	0.04	0.06	1	0.5	1	0.2
116-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.008	0.002	0.02	0.03	0.004	0.05	--	0.04	0.004		0.1	2	0.3	0.3	0.2	3	1	3	0.2	0.02	0.6	0.03	0.03	0.05	1	0.5	1	0.2
117-O1	Other -Not Specified	0.1	0.04	0.4	0.5	0.01	0.5	--	0.4	0.006	0.02	0.003	0.04	0.04	0.001	0.04	--	0.04	0.0006		0.2	2	0.5	0.5	0.1	3	1	3	0.2	0.03	0.6	0.05	0.05	0.04	1	0.5	1	0.2
118-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.5	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.05	--	0.03	0.001		0.09	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
118-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.4	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.04	--	0.02	0.001		0.08	2	0.2	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
118-H1	House	0.04	0.01	0.2	0.3	0.01	0.4	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.04	--	0.03	0.001		0.08	2	0.2	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
118-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.03	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002		0.1	2	0.2	0.2	0.1	3	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
118-N2	Animal Activity Area	0.09	0.01	0.2	0.2	0.04	0.6	--	0.3	0.03	0.01	0.001	0.02	0.02	0.004	0.06	--	0.03	0.003		0.1	2	0.2	0.3	0.2	3	1	3	0.2	0.02	0.6	0.02	0.03	0.05	1	0.5	1	0.2
119-P1	Play Area	0.3	0.01	0.3	0.3	0.1	0.7	--	0.8	0.09	0.04	0.001	0.02	0.03	0.01	0.07	--	0.09	0.009		0.4	2	0.3	0.3	0.2	3	1	3	0.3	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
120-A1	Agriculture	0.08	0.03	0.2	0.2	0.03	0.3	--	0.3	0.03	0.009	0.003	0.02	0.02	0.003	0.02	--	0.03	0.003		0.1	2	0.3	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.02	0.04	1	0.5	1	0.2
120-G1	Garden	0.08	0.03	0.1	0.1	0.04	0.2	--	0.2	0.04	0.009	0.002	0.01	0.01	0.004	0.02	--	0.02	0.004		0.1	2	0.1	0.1	0.1	2	1	3	0.2	0.02	0.6	0.02	0.02	0.04	1	0.5	1	0.2
120-H1	House	0.09	0.02	0.2	0.2	0.04	0.2	--	0.3	0.03	0.01	0.002	0.01	0.02	0.004	0.02	--	0.03	0.003		0.1	2	0.2	0.2	0.2	2	1	3	0.2	0.02	0.6	0.02	0.02	0.04	1	0.5	1	0.2
120-O1	Other -Not Specified	0.1	0.04	0.2	0.2	0.05	0.3	--	0.3	0.04	0.01	0.004	0.02	0.02	0.005	0.03	--	0.03	0.004		0.2	2	0.2	0.2	0.2	2	1	3	0.2	0.03	0.6	0.02	0.02	0.05	1	0.5	1	0.2
121-G1	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.009	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001		0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2

Table 5-19. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																	**Total HI Across Pathways**																					
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	**By Target Organ System**																					
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**											
DU	DU Type																																							
121-H1	House	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
121-N1	Animal Activity Area	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
121-N2	Animal Activity Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.003	0.04	--	0.03	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
122-G1	Garden	0.07	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
122-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
122-H1	House	0.08	0.02	0.3	0.3	0.04	0.5	--	0.4	0.05	0.009	0.001	0.02	0.03	0.004	0.04	--	0.04	0.005	0.1	2	0.3	0.3	0.2	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
122-H2	House	0.06	0.01	0.2	0.3	0.03	0.4	--	0.3	0.03	0.007	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003	0.1	2	0.2	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
122-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.06	0.5	--	0.5	0.06	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.006	0.1	2	0.3	0.3	0.2	3	1	3	0.3	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
122-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.1	0.5	--	0.7	0.1	0.02	0.001	0.02	0.03	0.009	0.04	--	0.07	0.01	0.2	2	0.3	0.3	0.2	3	1	3	0.3	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
122-P1	Play Area	0.1	0.02	0.2	0.3	0.1	0.6	--	0.7	0.1	0.02	0.001	0.02	0.03	0.01	0.05	--	0.07	0.01	0.2	2	0.3	0.3	0.2	3	1	3	0.3	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
123-G1	Garden	0.2	0.02	0.3	0.4	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.2	2	0.4	0.4	0.2	3	1	3	0.2	0.03	0.6	0.04	0.04	0.05	1	0.5	1	0.2
123-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.04	0.03	0.05	1	0.5	1	0.2
123-H1	House	0.1	0.03	0.3	0.4	0.04	0.7	--	0.4	0.03	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.003	0.2	2	0.3	0.4	0.2	3	1	3	0.2	0.03	0.6	0.04	0.04	0.05	1	0.5	1	0.2
123-O1	Other -Not Specified	0.1	0.02	0.3	0.4	0.03	0.7	--	0.5	0.04	0.01	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.03	0.6	0.04	0.04	0.04	1	0.5	1	0.2
123-O2	Other -Not Specified	0.2	0.02	0.3	0.4	0.1	0.7	--	0.6	0.1	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.01	0.2	2	0.4	0.4	0.2	3	1	3	0.3	0.04	0.6	0.04	0.04	0.05	1	0.5	1	0.2
124-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.007	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.04	0.04	0.04	1	0.5	1	0.2
124-G2	Garden	0.2	0.05	0.6	0.4	0.05	0.5	--	0.7	0.05	0.02	0.005	0.06	0.04	0.005	0.05	--	0.07	0.005	0.2	2	0.6	0.5	0.2	3	1	3	0.2	0.03	0.6	0.07	0.05	0.05	1	0.5	1	0.2
124-H1	House	0.1	0.04	0.5	0.5	0.02	0.5	--	0.5	0.03	0.01	0.004	0.05	0.05	0.002	0.05	--	0.05	0.003	0.2	2	0.5	0.5	0.1	3	1	3	0.2	0.03	0.6	0.06	0.05	0.04	1	0.5	1	0.2
124-N1	Animal Activity Area	0.07	0.03	0.3	0.2	0.02	0.2	--	0.3	0.02	0.008	0.003	0.03	0.02	0.002	0.02	--	0.03	0.002	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
124-N2	Animal Activity Area	0.04	0.02	0.2	0.3	0.005	0.3	--	0.3	0.004	0.005	0.002	0.02	0.03	0.0005	0.03	--	0.02	0.0004	0.08	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.04	0.04	1	0.5	1	0.2
124-O1	Other -Not Specified	0.1	0.05	0.6	0.5	0.04	0.6	--	0.6	0.05	0.02	0.004	0.05	0.05	0.004	0.05	--	0.06	0.005	0.2	2	0.6	0.5	0.2	3	1	3	0.2	0.03	0.6	0.06	0.05	0.05	1	0.5	1	0.2
125-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.3	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.04	0.003	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
126-A1	Agriculture	0.07	0.01	0.1	0.2	0.03	0.3	--	0.3	0.03	0.009	0.001	0.01	0.02	0.003	0.03	--	0.03	0.003	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
126-G1	Garden	0.09	0.02	0.2	0.3	0.02	0.3	--	0.4	0.01	0.01	0.001	0.02	0.03	0.002	0.03	--	0.04	0.001	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
126-G2	Garden	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
126-H1	House	0.04	0.01	0.1	0.2	0.01	0.2	--	0.2	0.01	0.005	0.0009	0.01	0.02	0.001	0.02	--	0.02	0.001	0.08	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.02	0.04	1	0.5	1	0.2
126-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.01	0.02	0.002	0.03	--	0.03	0.002	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
126-O2	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.2	--	0.2	0.01	0.006	0.0009	0.01	0.02	0.002	0.02	--	0.02	0.001	0.09	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
126-O3	Other -Not Specified	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.001	0.02	0.03	0.002	0.03	--	0.04	0.002	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
126-P1	Play Area	0.06	0.009	0.1	0.2	0.02	0.2	--	0.3	0.01	0.007	0.0008	0.01	0.02	0.002	0.01	--	0.03	0.001	0.09	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.02	0.04	1	0.5	1	0.2
127-A1	Agriculture	0.1	0.02	0.2	0.3	0.08	0.6	--	0.5	0.05	0.02	0.001	0.02	0.03	0.007	0.05	--	0.05	0.005	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
127-G1	Garden	0.07	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
127-G2	Garden	0.09	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
127-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.004	0.1	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
127-H2	House	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002	0.09	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
127-N1	Animal Activity Area	0.09	0.01	0.2	0.3	0.06	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.004	0.1	2	0.2	0.3	0.2	3	1	3	0.2	0.02	0.6	0.03	0.03	0.05	1	0.5	1	0.2
128-G1	Garden	0.2	0.04	0.4	0.4	0.03	0.5	--	0.5	0.02	0.02	0.004	0.04	0.04	0.002	0.04	--	0.05	0.002	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.04	0.6	0.04	0.04	0.04	1	0.5	1	0.2
128-G2	Garden	0.2	0.06	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.005	0.03	0.03	0.003	0.04	--	0.05	0.004	0.2	2	0.4	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
128-G3	Garden	0.1	0.03	0.3	0.4	0.02	0.5	--	0.5	0.02	0.01	0.002	0.03	0.04	0.002	0.05	--	0.04	0.002	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.03	0.6	0.04	0.04	0.04	1	0.5	1	0.2
128-N1	Animal Activity Area	0.2	0.03	0.3	0.4	0.05	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.004	0.2	2	0.3	0.4	0.2	3	1	3	0.2	0.03	0.6	0.04	0.04	0.05	1	0.5	1	0.2
128-O1	Other -Not Specified	0.1	0.05	0.3	0.4	0.03	0.5	--	0.5	0.03	0.02	0.005	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	2	0.3	0.4	0.1	3	1	3	0.2	0.03	0.6	0.04	0.04	0.04	1	0.5	1	0.2
129-H1	House	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.07	0.02	0.001	0.02	0.03	0.01	0.02	--	0.07	0.007	0.2	2	0.2	0.3	0.2	2	1	3	0.3	0.04	0.6	0.02	0.03	0.05	1	0.5	1	0.2
129-H2	House	0.2	0.01	0.2	0.2	0.1	0.3	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.03	--	0.06	0.008	0.2	2	0.2	0.2	0.2	2	1	3	0.3	0.03	0.6	0.02	0.03	0.05	1	0.5	1	0.2
130-G1	Garden	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.02	0.001	0.08	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
130-H1	House	0.03	0.01	0.2	0.3	0.009	0.2	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.07	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
130-H2	House	0.07	0.02	0.2	0.3	0.02	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.04	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
131-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.5	0.05	0.01	0.002	0.02	0.03	0.003	0.03	--	0.05	0.005	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
132-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.2	--	0.3	0.009	0.005	0.001	0.02	0.03	0.001	0.02	--	0.02	0.0009	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
132-G2	Garden	0.04	0.02	0.2	0.3	0.005	0.3	--	0.2	0.004	0.004	0.001	0.02	0.03	0.0005	0.03	--	0.02	0.0004	0.07	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
132-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.08	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
132-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.006	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001	0.09	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
133-G1	Garden	0.2	0.02	0.2	0.3	0.07	0.5	--	0.6	0.06	0.02	0.002	0.02	0.03	0.007	0.04	--	0.05	0.006	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
133-H1	House	0.1	0.05	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.005	0.02	0.03	0.003	0.03	--	0.04	0.003	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
134-O1	Other -Not Specified	0.4	0.01	0.2	0.3	0.2	0.4	--	1	0.1	0.05	0.001	0.02	0.03	0.02	0.04	--	0.1	0.01	0.5	2	0.3	0.3	0.3	3	1	4	0.3	0.06	0.6	0.03	0.03	0.06	1	0.5	1	0.2
135-G1	Garden	0.2	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.05	--	0.05	0.004	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.04	0.6	0.03	0.03	0.04	1	0.5	1	0.2
135-H1	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.6	0.05	0.02	0.002	0.02	0.03	0.004	0.05	--	0.06	0.005	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.04	1	0.5	1	0.2
135-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.06	--	0.05	0.004	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.04	0.6	0.03	0.03	0.04	1	0.5	1	0.2
136-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
136-G1	Garden	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
136-H1	House	0.06	0.02	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
136-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.07	0.01	0.001	0.01	0.02	0.007	0.03	--	0.04	0.007	0.1	2	0.2	0.2	0.2	2	1	3	0.3	0.02	0.6	0.02	0.02	0.05	1	0.5	1	0.2
137-O1	Other -Not Specified	0.07	0.01	0.1	0.2	0.07	0.3	--	0.4	0.07	0.008	0.0009	0.01	0.02	0.006	0.03	--	0.04	0.007	0.1	2	0.2	0.2	0.2	2	1	3	0.3	0.02	0.6	0.02	0.02	0.05	1	0.5	1	0.2
137-O2	Other -Not Specified	0.08	0.01	0.2	0.2	0.05	0.3	--	0.4	0.06	0.009	0.001	0.02	0.02	0.005	0.03	--	0.04	0.006	0.1	2	0.2	0.2	0.2	2	1	3	0.2	0.02	0.6	0.02	0.02	0.05	1	0.5	1	0.2
138-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.003	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
138-G2	Garden	0.08	0.03	0.3	0.3	0.04	0.4	--	0.3	0.03	0.009	0.003	0.03	0.03	0.004	0.04	--	0.03	0.003	0.1	2	0.3	0.3	0.2	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
138-H1	House	0.09	0.03	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.002	0.1	2	0.3	0.4	0.1	3	1	3	0.2	0.02	0.6	0.04	0.04	0.04	1	0.5	1	0.2
138-O1	Other -Not Specified	0.06	0.02	0.3	0.4	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.04	0.002	0.04	--	0.03	0.002	0.1	2	0.3	0.4	0.1	3	1	3	0.2	0.02	0.6	0.03	0.04	0.04	1	0.5	1	0.2

Table 5-19. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																	**Total HI Across Pathways**																				
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	**By Target Organ System**																				
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**										
DU	DU Type																																					
138-O2	Other -Not Specified	0.09	0.04	0.3	0.3	0.03	0.3	--	0.3	0.06	0.01	0.004	0.02	0.02	0.003	0.03	--	0.03	0.006	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
139-G1	Garden	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
139-G2	Garden	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
139-H1	House	0.06	0.01	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
139-N1	Animal Activity Area	0.07	0.01	0.3	0.3	0.03	0.4	--	0.4	0.02	0.008	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
140-G1	Garden	0.4	0.01	0.3	0.3	0.2	0.8	--	0.8	0.09	0.04	0.001	0.02	0.03	0.02	0.07	--	0.08	0.009	0.4	2	0.3	0.3	0.3	3	1	3	0.3	0.05	0.6	0.03	0.03	0.06	1	0.5	1	0.2
140-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
140-O1	Other -Not Specified	0.6	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.07	0.001	0.02	0.03	0.02	0.05	--	0.1	0.01	0.6	2	0.2	0.3	0.3	3	1	4	0.3	0.08	0.6	0.03	0.03	0.06	1	0.5	1	0.2
140-O2[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
141-A1	Agriculture	0.1	0.03	0.5	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.002	0.2	2	0.5	0.4	0.1	3	1	3	0.2	0.03	0.6	0.05	0.05	0.04	1	0.5	1	0.2
141-H1	House	0.1	0.03	0.4	0.4	0.03	0.4	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.03	0.6	0.05	0.04	0.04	1	0.5	1	0.2
141-H2	House	0.2	0.04	0.5	0.5	0.05	0.6	--	0.5	0.04	0.02	0.003	0.05	0.05	0.005	0.05	--	0.05	0.004	0.2	2	0.5	0.5	0.2	3	1	3	0.2	0.03	0.6	0.06	0.05	0.05	1	0.5	1	0.2
141-H3	House	0.1	0.03	0.4	0.4	0.04	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.003	0.2	2	0.4	0.5	0.1	3	1	3	0.2	0.03	0.6	0.04	0.05	0.04	1	0.5	1	0.2
141-N1	Animal Activity Area	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002	0.1	2	0.3	0.4	0.1	3	1	3	0.2	0.02	0.6	0.03	0.04	0.04	1	0.5	1	0.2
141-N2	Animal Activity Area	0.2	0.03	0.5	0.5	0.04	0.6	--	0.5	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.05	0.003	0.2	2	0.5	0.5	0.2	3	1	3	0.2	0.03	0.6	0.05	0.05	0.04	1	0.5	1	0.2
141-N3	Animal Activity Area	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.008	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	0.08	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.02	0.04	1	0.5	1	0.2
141-N4	Animal Activity Area	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.03	0.6	0.05	0.04	0.04	1	0.5	1	0.2
141-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.003	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.03	0.6	0.05	0.05	0.04	1	0.5	1	0.2
142-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.004	0.1	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
142-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.004	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.04	0.04	1	0.5	1	0.2
143-A1	Agriculture	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.1	2	0.2	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
143-G1	Garden	0.08	0.01	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
143-G2	Garden	0.08	0.01	0.2	0.2	0.02	0.4	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
143-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003	0.1	2	0.2	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
144-G1	Garden	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
144-H1	House	0.2	0.01	0.2	0.3	0.06	0.5	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.04	--	0.06	0.006	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
145-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.009	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.1	2	0.2	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
145-H1	House	0.1	0.02	0.3	0.3	0.06	0.6	--	0.6	0.07	0.02	0.002	0.02	0.03	0.006	0.06	--	0.06	0.007	0.2	2	0.3	0.3	0.2	3	1	3	0.3	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
146G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.01	0.01	0.002	0.03	0.03	0.002	0.05	--	0.05	0.001	0.2	2	0.3	0.4	0.1	3	1	3	0.2	0.03	0.6	0.04	0.04	0.04	1	0.5	1	0.2
146-H1	House	0.7	0.01	0.3	0.3	0.4	0.8	--	2	0.6	0.07	0.001	0.02	0.03	0.04	0.07	--	0.2	0.06	0.7	2	0.3	0.3	0.5	3	1	5	0.8	0.09	0.6	0.03	0.03	0.08	1	0.5	1	0.2
147-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
147-G2	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
147-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
148-H1	House	0.04	0.01	0.2	0.3	0.02	0.2	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.002	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
148-O1	Other -Not Specified	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.09	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
148-O3	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.02	--	0.05	0.004	0.2	2	0.3	0.3	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
149-A1	Agriculture	0.2	0.2	1	0.7	0.05	0.7	--	1	0.2	0.02	0.02	0.09	0.06	0.005	0.06	--	0.1	0.02	0.2	2	1	0.7	0.2	3	1	3	0.4	0.03	0.6	0.1	0.07	0.05	1	0.5	1	0.2
149-G1	Garden	0.1	0.09	0.7	0.5	0.05	0.7	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.06	--	0.07	0.008	0.2	2	0.7	0.6	0.2	3	1	3	0.3	0.03	0.6	0.08	0.06	0.05	1	0.5	1	0.2
149-G2	Garden	0.1	0.09	0.7	0.5	0.04	0.6	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.05	--	0.07	0.008	0.2	2	0.7	0.5	0.2	3	1	3	0.3	0.03	0.6	0.07	0.05	0.05	1	0.5	1	0.2
149-H1	House	0.1	0.09	0.7	0.5	0.06	0.6	--	0.7	0.09	0.02	0.009	0.07	0.05	0.005	0.06	--	0.07	0.009	0.2	2	0.7	0.5	0.2	3	1	3	0.3	0.03	0.6	0.07	0.05	0.05	1	0.5	1	0.2
149-N1	Animal Activity Area	0.1	0.07	0.5	0.4	0.03	0.5	--	0.6	0.06	0.01	0.006	0.05	0.04	0.003	0.05	--	0.05	0.006	0.1	2	0.6	0.4	0.1	3	1	3	0.2	0.03	0.6	0.06	0.05	0.04	1	0.5	1	0.2
150-G1	Garden	0.06	0.01	0.2	0.2	0.02	0.3	--	0.3	0.01	0.007	0.001	0.02	0.02	0.002	0.02	--	0.03	0.001	0.09	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
150-H1	House	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
151-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.004	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
152-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.004	0.2	2	0.2	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
152-H1	House	0.2	0.02	0.3	0.2	0.07	0.4	--	0.5	0.06	0.02	0.002	0.03	0.02	0.007	0.03	--	0.05	0.006	0.2	2	0.3	0.2	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
153-G1	Garden	0.2	0.02	0.2	0.3	0.06	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.06	--	0.05	0.004	0.2	2	0.2	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
153-H1	House	0.3	0.02	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	0.002	0.03	0.03	0.01	0.06	--	0.08	0.01	0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.05	0.6	0.04	0.03	0.05	1	0.5	1	0.2
153-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.9	--	0.6	0.1	0.02	0.001	0.03	0.03	0.01	0.08	--	0.06	0.01	0.2	2	0.3	0.3	0.2	3	1	3	0.3	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
153-O2	Other -Not Specified	0.2	0.009	0.1	0.2	0.2	0.5	--	0.6	0.1	0.02	0.0008	0.01	0.02	0.02	0.04	--	0.06	0.01	0.2	2	0.1	0.2	0.3	3	1	3	0.3	0.03	0.6	0.02	0.02	0.06	1	0.5	1	0.2
153-O3	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.7	--	0.7	0.08	0.03	0.002	0.02	0.03	0.01	0.07	--	0.07	0.008	0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.04	0.6	0.03	0.04	0.05	1	0.5	1	0.2
153-O5	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.7	--	0.8	0.09	0.03	0.001	0.02	0.03	0.01	0.07	--	0.08	0.009	0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
153-O6	Other -Not Specified	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.2	2	0.3	0.4	0.2	3	1	3	0.2	0.03	0.6	0.03	0.04	0.05	1	0.5	1	0.2
153-O7	Other -Not Specified	0.3	0.02	0.3	0.3	0.2	0.8	--	0.8	0.1	0.04	0.002	0.02	0.03	0.02	0.07	--	0.08	0.01	0.4	2	0.3	0.3	0.3	3	1	3	0.3	0.05	0.6	0.03	0.03	0.06	1	0.5	1	0.2
153-P1	Play Area	0.3	0.02	0.3	0.3	0.1	0.8	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.07	--	0.09	0.01	0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.05	0.6	0.04	0.03	0.05	1	0.5	1	0.2
154-G1	Garden	0.04	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.005	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.08	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
154-H1	House	0.04	0.02	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001	0.08	2	0.3	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
155-G1	Garden	0.2	0.01	0.2	0.2	0.08	0.5	--	0.5	0.05	0.02	0.001	0.02	0.02	0.007	0.04	--	0.05	0.006	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
155-G2	Garden	0.09	0.02	0.2	0.3	0.05	0.3	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.04	0.003	0.1	2	0.3	0.3	0.2	2	1	3	0.2	0.02	0.6	0.03	0.03	0.05	1	0.5	1	0.2
155-H1	House	0.07	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
155-H2	House	0.1	0.01	0.2	0.2	0.07	0.4	--	0.5	0.04	0.01	0.001	0.02	0.02	0.007	0.03	--	0.05	0.004	0.2	2	0.2	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
155-O2	Other -Not Specified	0.2	0.01	0.2	0.2	0.1	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.04	--	0.06	0.008	0.2	2	0.2	0.2	0.2	3	1	3	0.3	0.03	0.6	0.03	0.02	0.05	1	0.5	1	0.2
156-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.1	2	0.2	0.3	0.2	3	1	3	0.2	0.02	0.6	0.03	0.03	0.05	1	0.5	1	0.2
156-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005	0.2	2	0.2	0.2	0.2	2	1	3	0.2	0.03	0.6	0.02	0.03	0.05	1	0.5	1	0.2
157-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
157-H1	House	0.09	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.01	0.002	0.02	0.02	0.004	0.02	--	0.05	0.004	0.1	2	0.3	0.3	0.2	2	1	3	0.2	0.02	0.6	0.03	0.03	0.05	1	0.5	1	0.2

Table 5-19. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
157-H2	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.02	--	0.04	0.003	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
157-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.02	--	0.03	0.003	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.02	0.04	1	0.5	1	0.2
158-H1	House	0.06	0.02	0.2	0.3	0.02	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.09	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
158-O1	Other -Not Specified	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
159-G1	Garden	0.1	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
159-H1	House	0.08	0.01	0.2	0.2	0.02	0.2	--	0.3	0.02	0.01	0.001	0.01	0.02	0.002	0.02	--	0.03	0.002	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.02	0.04	1	0.5	1	0.2
159-H2	House	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.2	2	0.2	0.3	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
159-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
159-O2	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
160-G1	Garden	0.1	0.01	0.2	0.2	0.03	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004	0.1	2	0.2	0.2	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
160-H1	House	0.09	0.01	0.2	0.3	0.02	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.04	0.002	0.1	2	0.2	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
160-H2	House	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
161-H1	House	0.1	0.02	0.2	0.3	0.04	0.4	--	0.5	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.005	0.2	2	0.2	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
161-N1	Animal Activity Area	0.08	0.01	0.2	0.2	0.03	0.3	--	0.3	0.04	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.004	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.02	0.04	1	0.5	1	0.2
162-H1	House	0.05	0.01	0.2	0.2	0.05	0.2	--	0.3	0.03	0.006	0.0009	0.02	0.02	0.005	0.02	--	0.03	0.003	0.09	2	0.2	0.2	0.2	2	1	3	0.2	0.02	0.6	0.02	0.02	0.05	1	0.5	1	0.2
163G	Garden	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.06	0.04	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006	0.4	2	0.3	0.3	0.2	3	1	3	0.2	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
163-G1	Garden	0.06	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.007	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.09	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.02	0.04	1	0.5	1	0.2
163-O1	Other -Not Specified	0.07	0.01	0.2	0.3	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
164-H1	House	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.006	0.03	--	0.04	0.005	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
165-H1	House	0.1	0.05	0.6	0.5	0.03	0.5	--	0.4	0.02	0.02	0.004	0.06	0.05	0.003	0.05	--	0.04	0.002	0.2	2	0.6	0.5	0.1	3	1	3	0.2	0.03	0.6	0.07	0.05	0.04	1	0.5	1	0.2
165-O1	Other -Not Specified	0.2	0.06	0.9	0.7	0.07	0.7	--	0.5	0.05	0.03	0.005	0.08	0.06	0.007	0.06	--	0.06	0.005	0.2	2	0.9	0.7	0.2	3	1	3	0.2	0.04	0.6	0.09	0.07	0.05	1	0.5	1	0.2
166-O1	Other -Not Specified	0.2	0.01	0.2	0.4	0.1	0.2	--	0.6	0.1	0.02	0.001	0.02	0.03	0.009	0.02	--	0.06	0.01	0.2	2	0.2	0.4	0.2	2	1	3	0.3	0.04	0.6	0.02	0.04	0.05	1	0.5	1	0.2
167-O1	Other -Not Specified	0.08	0.01	0.2	0.3	0.03	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.003	0.02	--	0.04	0.004	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
167-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.2	--	0.5	0.04	0.01	0.001	0.02	0.02	0.005	0.02	--	0.05	0.004	0.1	2	0.2	0.2	0.2	2	1	3	0.2	0.02	0.6	0.02	0.03	0.05	1	0.5	1	0.2
167-O3	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.6	0.07	0.01	0.001	0.02	0.02	0.008	0.03	--	0.06	0.007	0.2	2	0.2	0.3	0.2	3	1	3	0.3	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
167-O4	Other -Not Specified	0.09	0.01	0.2	0.3	0.06	0.3	--	0.6	0.04	0.01	0.001	0.02	0.03	0.005	0.03	--	0.06	0.004	0.1	2	0.2	0.3	0.2	2	1	3	0.2	0.02	0.6	0.03	0.03	0.05	1	0.5	1	0.2
167-O5	Other -Not Specified	0.1	0.01	0.2	0.3	0.07	0.3	--	0.6	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.06	0.004	0.1	2	0.2	0.3	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
167-O6	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.5	0.07	0.01	0.001	0.02	0.02	0.008	0.04	--	0.05	0.007	0.2	2	0.2	0.3	0.2	3	1	3	0.3	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
167-O7	Other -Not Specified	0.2	0.01	0.2	0.3	0.2	0.4	--	0.8	0.1	0.03	0.001	0.02	0.02	0.02	0.04	--	0.08	0.01	0.3	2	0.2	0.3	0.3	3	1	3	0.3	0.04	0.6	0.03	0.03	0.06	1	0.5	1	0.2
167-O8	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.04	0.009	0.001	0.01	0.02	0.008	0.03	--	0.05	0.004	0.1	2	0.2	0.3	0.2	2	1	3	0.2	0.02	0.6	0.02	0.03	0.05	1	0.5	1	0.2
167-O9	Other -Not Specified	0.09	0.01	0.2	0.3	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005	0.1	2	0.2	0.3	0.2	2	1	3	0.2	0.02	0.6	0.02	0.03	0.05	1	0.5	1	0.2
168-G1	Garden	0.04	0.02	0.2	0.3	0.02	0.3	--	0.3	0.03	0.005	0.002	0.02	0.02	0.002	0.03	--	0.03	0.003	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
168-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.09	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
168-H1	House	0.04	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.07	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
168-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.2	0.03	0.006	0.002	0.02	0.02	0.002	0.03	--	0.02	0.003	0.09	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.02	0.04	1	0.5	1	0.2
168-O1	Other -Not Specified	0.2	0.05	0.3	0.3	0.09	0.3	--	0.5	0.06	0.02	0.005	0.02	0.03	0.008	0.02	--	0.05	0.006	0.2	2	0.3	0.3	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
169A	Other -Not Specified	0.1	0.01	0.2	0.4	0.2	0.2	--	0.5	0.05	0.01	0.001	0.02	0.04	0.02	0.02	--	0.05	0.005	0.2	2	0.2	0.4	0.3	2	1	3	0.2	0.03	0.6	0.03	0.04	0.06	1	0.5	1	0.2
169-G2	Garden	0.06	0.01	0.2	0.3	0.03	0.2	--	0.3	0.02	0.007	0.001	0.02	0.03	0.003	0.02	--	0.03	0.002	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
169-G3	Garden	0.08	0.02	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.03	0.002	0.1	2	0.3	0.4	0.1	3	1	3	0.2	0.02	0.6	0.03	0.04	0.04	1	0.5	1	0.2
169-G4	Garden	0.07	0.02	0.2	0.3	0.04	0.3	--	0.3	0.02	0.008	0.001	0.02	0.03	0.004	0.03	--	0.03	0.002	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
169-H1	House	0.05	0.01	0.2	0.2	0.03	0.3	--	0.2	0.02	0.006	0.001	0.01	0.02	0.002	0.03	--	0.02	0.002	0.08	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
170-G1	Garden	0.08	0.02	0.2	0.3	0.03	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.03	0.002	0.1	2	0.3	0.4	0.1	3	1	3	0.2	0.02	0.6	0.03	0.04	0.04	1	0.5	1	0.2
170-G2	Garden	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.06	0.01	0.001	0.02	0.03	0.006	0.03	--	0.04	0.006	0.1	2	0.3	0.3	0.2	3	1	3	0.2	0.02	0.6	0.03	0.03	0.05	1	0.5	1	0.2
170-H1	House	0.07	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
171-A1	Agriculture	0.2	0.04	0.6	0.5	0.07	0.6	--	0.7	0.08	0.02	0.004	0.05	0.05	0.006	0.06	--	0.07	0.009	0.2	2	0.6	0.5	0.2	3	1	3	0.3	0.03	0.6	0.06	0.05	0.05	1	0.5	1	0.2
171-G1	Garden	0.2	0.03	0.5	0.4	0.1	0.7	--	0.8	0.1	0.02	0.003	0.04	0.04	0.01	0.07	--	0.08	0.01	0.2	2	0.5	0.4	0.2	3	1	3	0.3	0.04	0.6	0.05	0.05	0.05	1	0.5	1	0.2
171-H1	House	0.1	0.03	0.3	0.4	0.08	0.4	--	0.6	0.08	0.01	0.002	0.03	0.03	0.007	0.04	--	0.06	0.008	0.2	2	0.4	0.4	0.2	3	1	3	0.3	0.03	0.6	0.04	0.04	0.05	1	0.5	1	0.2
172U	Other -Not Specified	0.2	0.02	0.2	0.5	0.08	0.2	--	0.6	0.1	0.02	0.002	0.02	0.05	0.007	0.02	--	0.06	0.01	0.2	2	0.2	0.6	0.2	2	1	3	0.3	0.04	0.6	0.02	0.06	0.05	1	0.5	1	0.2
173-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.009	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.04	0.04	1	0.5	1	0.2
173-G2	Garden	0.05	0.02	0.2	0.3	0.009	0.2	--	0.2	0.006	0.006	0.002	0.02	0.03	0.0008	0.02	--	0.02	0.0006	0.09	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.04	0.04	1	0.5	1	0.2
173-G3	Garden	0.1	0.03	0.2	0.4	0.04	0.4	--	0.4	0.03	0.02	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.2	2	0.3	0.4	0.2	3	1	3	0.2	0.03	0.6	0.03	0.04	0.04	1	0.5	1	0.2
173-G4	Garden	0.1	0.03	0.2	0.3	0.05	0.4	--	0.4	0.04	0.02	0.003	0.02	0.03	0.005	0.04	--	0.04	0.004	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
173-G5	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.01	0.002	0.03	0.03	0.002	0.03	--	0.03	0.001	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
173-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.03	--	0.04	0.005	0.2	2	0.2	0.3	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
173-P1	Play Area	0.1	0.02	0.2	0.3	0.07	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.007	0.03	--	0.05	0.006	0.2	2	0.3	0.3	0.2	3	1	3	0.3	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
174-A1	Agriculture	0.1	0.03	0.3	0.3	0.04	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
174-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.8	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.004	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.04	0.03	0.05	1	0.5	1	0.2
174-H1	House	0.2	0.03	0.3	0.3	0.09	0.7	--	0.5	0.06	0.02	0.003	0.03	0.03	0.009	0.06	--	0.05	0.006	0.2	2	0.4	0.3	0.2	3	1	3	0.2	0.03	0.6	0.04	0.03	0.05	1	0.5	1	0.2
174M	House	0.05	0.01	0.2	0.2	0.008	0.2	--	0.2	0.01	0.006	0.001	0.02	0.02	0.0007	0.02	--	0.02	0.001	0.09	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.02	0.04	1	0.5	1	0.2
175-G1	Garden	0.08	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.009	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.02	0.04	1	0.5	1	0.2
175-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.001	0.01	0.02	0.002	0.02	--	0.02	0.001	0.08	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.02	0.04	1	0.5	1	0.2
175-H1	House	0.06	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.007	0.001	0.01	0.02	0.004	0.02	--	0.03	0.003	0.09	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.02	0.04	1	0.5	1	0.2
176-A1	Agriculture	0.08	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
176G	Garden	0.2	0.02	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.005	0.2	2	0.2	0.2	0.2	2	1	3	0.2	0.03	0.6	0.03	0.02	0.05	1	0.5	1	0.2
176-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
176-H2	House	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.002	0.03	--	0.04	0.002	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
176M	House	0.2	0.01	0.2	0.2	0.07	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.007	0.04	--	0.06	0.008	0.2	2	0.2	0.2	0.2	3	1	3	0.3	0.04	0.6	0.03	0.02	0.05	1	0.5	1	0.2

Table 5-19. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																	**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	**By Target Organ System**																	
	Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**								**Child**									**Adult**								
DU	DU Type																																			
176-P1	Play Area	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
178-H1	House	0.07	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.002	0.04	--	0.03	0.001	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
179-H1	House	0.1	0.02	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.05	--	0.04	0.003	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
180-H1	House	0.3	0.02	0.2	0.3	0.2	0.3	--	0.9	0.06	0.03	0.001	0.02	0.03	0.01	0.03	--	0.09	0.006	0.3	2	0.2	0.3	0.3	2	1	3	0.3	0.04	0.6	0.03	0.03	0.06	1	0.5	1	0.2
180-H2[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
180-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.3	0.3	--	1	0.09	0.02	0.001	0.02	0.03	0.02	0.03	--	0.1	0.009	0.2	2	0.2	0.3	0.4	2	1	4	0.3	0.04	0.6	0.03	0.03	0.07	1	0.5	1	0.2
181-A1	Agriculture	0.2	0.02	0.3	0.3	0.05	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.3	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
181-G1	Garden	0.2	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.02	0.002	0.02	0.03	0.003	0.04	--	0.04	0.001	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
181-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.3	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
181-H1	House	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.06	0.005	0.3	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
181-H2	House	0.3	0.02	0.3	0.3	0.06	0.7	--	0.7	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.004	0.3	2	0.4	0.3	0.2	3	1	3	0.2	0.05	0.6	0.04	0.04	0.05	1	0.5	1	0.2
181-N1	Animal Activity Area	0.3	0.02	0.3	0.3	0.06	0.8	--	0.7	0.05	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.005	0.3	2	0.3	0.3	0.2	3	1	3	0.2	0.05	0.6	0.04	0.03	0.05	1	0.5	1	0.2
181-N2	Animal Activity Area	0.2	0.02	0.3	0.3	0.07	0.7	--	0.6	0.05	0.03	0.002	0.03	0.03	0.007	0.07	--	0.06	0.005	0.3	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
181-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
182-G1	Garden	0.2	0.04	0.4	0.3	0.08	0.7	--	0.6	0.09	0.02	0.003	0.04	0.03	0.007	0.06	--	0.06	0.009	0.2	2	0.4	0.4	0.2	3	1	3	0.3	0.03	0.6	0.04	0.04	0.05	1	0.5	1	0.2
182-G2	Garden	0.3	0.04	0.4	0.4	0.09	0.9	--	0.8	0.09	0.03	0.003	0.04	0.03	0.008	0.08	--	0.08	0.009	0.3	2	0.5	0.4	0.2	3	1	3	0.3	0.04	0.6	0.05	0.04	0.05	1	0.5	1	0.2
182-H1	House	0.1	0.03	0.4	0.3	0.06	0.6	--	0.6	0.06	0.01	0.003	0.04	0.03	0.005	0.06	--	0.06	0.006	0.2	2	0.4	0.4	0.2	3	1	3	0.3	0.03	0.6	0.04	0.04	0.05	1	0.5	1	0.2
182-H2	House	0.1	0.03	0.4	0.4	0.05	0.6	--	0.5	0.06	0.01	0.003	0.04	0.04	0.005	0.05	--	0.05	0.006	0.2	2	0.5	0.4	0.2	3	1	3	0.2	0.03	0.6	0.05	0.04	0.05	1	0.5	1	0.2
182-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.04	0.5	--	0.5	0.05	0.01	0.003	0.04	0.04	0.004	0.05	--	0.05	0.005	0.1	2	0.4	0.4	0.2	3	1	3	0.2	0.03	0.6	0.04	0.04	0.05	1	0.5	1	0.2
182-O2	Other -Not Specified	0.3	0.03	0.4	0.4	0.08	0.9	--	0.7	0.09	0.03	0.003	0.04	0.03	0.007	0.08	--	0.08	0.009	0.3	2	0.4	0.4	0.2	3	1	3	0.3	0.05	0.6	0.04	0.04	0.05	1	0.5	1	0.2
182-O3	Other -Not Specified	0.1	0.03	0.3	0.3	0.07	0.6	--	0.6	0.09	0.02	0.003	0.03	0.03	0.006	0.05	--	0.06	0.009	0.2	2	0.3	0.3	0.2	3	1	3	0.3	0.03	0.6	0.04	0.03	0.05	1	0.5	1	0.2
184-H1	House	0.2	0.01	0.2	0.2	0.08	0.3	--	0.6	0.06	0.02	0.001	0.02	0.02	0.007	0.03	--	0.06	0.006	0.2	2	0.2	0.2	0.2	2	1	3	0.3	0.03	0.6	0.02	0.02	0.05	1	0.5	1	0.2
185-A1	Agriculture	0.1	0.03	0.3	0.3	0.05	0.3	--	0.5	0.03	0.01	0.003	0.02	0.03	0.004	0.03	--	0.05	0.003	0.1	2	0.3	0.3	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
185G	Garden	0.2	0.03	0.5	0.4	0.02	0.5	--	0.6	0.01	0.02	0.002	0.05	0.04	0.002	0.05	--	0.06	0.001	0.2	2	0.5	0.4	0.1	3	1	3	0.2	0.04	0.6	0.05	0.04	0.04	1	0.5	1	0.2
185-H1	House	0.09	0.03	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.05	0.003	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
186-O1	Other -Not Specified	0.2	0.02	0.2	0.5	0.1	0.3	--	0.6	0.1	0.02	0.001	0.02	0.05	0.01	0.02	--	0.06	0.01	0.2	2	0.2	0.5	0.2	2	1	3	0.3	0.04	0.6	0.03	0.05	0.05	1	0.5	1	0.2
187-H1	House	0.07	0.01	0.2	0.3	0.06	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005	0.1	2	0.3	0.3	0.2	3	1	3	0.2	0.02	0.6	0.03	0.03	0.05	1	0.5	1	0.2
188-A1	Agriculture	0.09	0.03	0.3	0.3	0.04	0.6	--	0.4	0.04	0.01	0.003	0.03	0.03	0.004	0.06	--	0.04	0.004	0.1	2	0.3	0.3	0.2	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
188-G1	Garden	0.1	0.03	0.3	0.3	0.06	0.6	--	0.4	0.05	0.01	0.003	0.03	0.03	0.006	0.05	--	0.04	0.005	0.2	2	0.3	0.4	0.2	3	1	3	0.2	0.03	0.6	0.04	0.04	0.05	1	0.5	1	0.2
188-G2	Garden	0.1	0.04	0.4	0.3	0.07	0.7	--	0.5	0.06	0.02	0.004	0.03	0.03	0.007	0.06	--	0.05	0.006	0.2	2	0.4	0.3	0.2	3	1	3	0.2	0.03	0.6	0.04	0.03	0.05	1	0.5	1	0.2
188-G3	Garden	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.003	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
188-H1	House	0.06	0.04	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.004	0.03	0.03	0.002	0.04	--	0.03	0.002	0.09	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
188-P1	Play Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.002	0.02	0.02	0.003	0.04	--	0.03	0.003	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
189-G1	Garden	0.06	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.001	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
189-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.03	--	0.04	0.003	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
189-H2	House	0.09	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
189-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	0.2	2	0.2	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
190-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.007	0.005	0.001	0.02	0.03	0.001	0.03	--	0.03	0.0008	0.07	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
190-H1	House	0.04	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.005	0.001	0.02	0.02	0.002	0.03	--	0.02	0.002	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
190-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.001	0.03	--	0.03	0.001	0.08	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
190-N2	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.03	--	0.02	0.001	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
190-N3	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.009	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.0009	0.07	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
190-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
191-H1	House	0.1	0.02	0.3	0.3	0.09	0.4	--	0.5	0.06	0.02	0.002	0.03	0.03	0.008	0.04	--	0.05	0.006	0.2	2	0.3	0.3	0.2	3	1	3	0.3	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
192-A1	Agriculture	0.1	0.03	0.3	0.3	0.07	0.3	--	0.5	0.03	0.01	0.003	0.03	0.03	0.006	0.03	--	0.05	0.003	0.1	2	0.3	0.3	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
192-G1	Garden	0.1	0.04	0.3	0.4	0.08	0.3	--	0.6	0.03	0.02	0.004	0.03	0.03	0.007	0.03	--	0.06	0.003	0.2	2	0.3	0.4	0.2	2	1	3	0.2	0.03	0.6	0.04	0.04	0.05	1	0.5	1	0.2
192-H1	House	0.1	0.03	0.2	0.3	0.06	0.3	--	0.5	0.02	0.01	0.003	0.02	0.03	0.005	0.02	--	0.05	0.002	0.1	2	0.3	0.3	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
193-G1	Garden	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.008	0.005	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.08	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.02	0.04	1	0.5	1	0.2
193-H1	House	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.0009	0.08	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
194-H1	House	0.03	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.07	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.02	0.03	0.04	1	0.5	1	0.2
194-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.09	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
195-G1	Garden	0.1	0.01	0.2	0.2	0.05	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.003	0.1	2	0.2	0.2	0.2	3	1	3	0.2	0.03	0.6	0.02	0.03	0.05	1	0.5	1	0.2
195-G2	Garden	0.1	0.01	0.2	0.3	0.09	0.5	--	0.5	0.07	0.02	0.001	0.02	0.03	0.009	0.05	--	0.05	0.007	0.2	2	0.2	0.3	0.2	3	1	3	0.3	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
195-O1	Other -Not Specified	0.1	0.01	0.1	0.2	0.1	0.4	--	0.4	0.06	0.01	0.0009	0.01	0.02	0.009	0.04	--	0.04	0.007	0.1	2	0.2	0.2	0.2	3	1	3	0.3	0.03	0.6	0.02	0.02	0.05	1	0.5	1	0.2
196-A1	Agriculture	0.06	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.007	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
196-A2	Agriculture	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.04	0.008	0.002	0.02	0.02	0.003	0.04	--	0.04	0.004	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
196-G1	Garden	0.07	0.01	0.2	0.3	0.04	0.4	--	0.5	0.02	0.008	0.001	0.02	0.02	0.003	0.04	--	0.05	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
196-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
197-H1	House	0.1	0.03	0.3	0.4	0.05	0.3	--	0.5	0.04	0.01	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	0.1	2	0.4	0.4	0.2	2	1	3	0.2	0.03	0.6	0.04	0.04	0.05	1	0.5	1	0.2
198-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.6	--	0.4	0.03	0.01	0.002	0.02	0.02	0.004	0.06	--	0.04	0.003	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
198-H1	House	0.1	0.03	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.06	--	0.06	0.005	0.2	2	0.4	0.3	0.2	3	1	3	0.2	0.03	0.6	0.04	0.03	0.05	1	0.5	1	0.2
199-G1	Garden	0.04	0.02	0.3	0.4	0.01	0.3	--	0.3	0.006	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.0006	0.08	2	0.3	0.4	0.1	2	1	3	0.2	0.02	0.6	0.03	0.04	0.04	1	0.5	1	0.2
199-O1	Other -Not Specified	0.04	0.02	0.3	0.4	0.02	0.3	--	0.3	0.01	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.001	0.08	2	0.3	0.4	0.1	2	1	3	0.2	0.02	0.6	0.03	0.04	0.04	1	0.5	1	0.2
200-G1	Garden	0.1	0.02	0.4	0.4	0.02	0.7	--	0.5	0.02	0.02	0.002	0.04	0.04	0.002	0.07	--	0.05	0.002	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.03	0.6	0.05	0.04	0.04	1	0.5	1	0.2
200-H1	House	0.1	0.02	0.4	0.4	0.02	0.6	--	0.4	0.01	0.01	0.002	0.04	0.03	0.002	0.06	--	0.04	0.001	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.03	0.6	0.04	0.04	0.04	1	0.5	1	0.2
200-O1	Other -Not Specified	0.2	0.03	0.5	0.5	0.02	0.6	--	0.5	0.01	0.02	0.003	0.05	0.05	0.002	0.06	--	0.05	0.001	0.2	2	0.5	0.5	0.1	3	1	3	0.2	0.03	0.6	0.06	0.05	0.04	1	0.5	1	0.2

Table 5-19. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																	**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																		
201G[c]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
201-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.1	0.4	--	0.7	0.08	0.03	0.002	0.03	0.04	0.01	0.04	--	0.07	0.008	0.3	2	0.3	0.4	0.2	3	1	3	0.3	0.04	0.6	0.04	0.04	0.05	1	0.5	1	0.2
202-H1	House	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004	0.2	2	0.2	0.2	0.1	2	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
202-N1	Animal Activity Area	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
202-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.02	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.002	0.02	--	0.04	0.004	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
203-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
203-O1[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
203-O2	Other -Not Specified	0.5	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.06	0.001	0.02	0.03	0.02	0.06	--	0.1	0.01	0.6	2	0.2	0.3	0.4	3	1	4	0.3	0.07	0.6	0.03	0.03	0.06	1	0.5	1	0.2
203-O3[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
203-O4[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
205-O1	Other -Not Specified	0.4	0.02	0.2	0.3	0.1	0.2	--	1	0.09	0.04	0.002	0.02	0.03	0.01	0.02	--	0.1	0.009	0.4	2	0.3	0.3	0.2	2	1	4	0.3	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
206-A1	Agriculture	0.1	0.06	0.4	0.3	0.05	0.5	--	0.5	0.05	0.02	0.005	0.04	0.03	0.005	0.04	--	0.05	0.005	0.2	2	0.4	0.4	0.2	3	1	3	0.2	0.03	0.6	0.05	0.04	0.05	1	0.5	1	0.2
206-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
206-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.07	2	0.2	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
206-H2	House	0.1	0.1	0.7	0.4	0.09	0.6	--	0.7	0.1	0.02	0.01	0.06	0.03	0.008	0.05	--	0.07	0.01	0.2	2	0.7	0.4	0.2	3	1	3	0.3	0.03	0.6	0.07	0.04	0.05	1	0.5	1	0.2
206-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.1	0.6	--	0.9	0.06	0.03	0.003	0.04	0.04	0.01	0.05	--	0.09	0.006	0.3	2	0.4	0.4	0.2	3	1	3	0.2	0.04	0.6	0.04	0.04	0.05	1	0.5	1	0.2
207-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.1	2	0.2	0.2	0.2	2	1	3	0.2	0.02	0.6	0.02	0.02	0.05	1	0.5	1	0.2
208AA	Animal Activity Area	0.2	0.02	0.2	0.2	0.05	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.005	0.2	2	0.3	0.2	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
208BM	House	0.2	0.02	0.4	0.3	0.03	0.5	--	0.6	0.03	0.02	0.002	0.04	0.03	0.003	0.04	--	0.06	0.003	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.04	0.6	0.04	0.04	0.04	1	0.5	1	0.2
208G	Garden	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.06	0.003	0.2	2	0.5	0.4	0.1	3	1	3	0.2	0.04	0.6	0.05	0.04	0.04	1	0.5	1	0.2
208-H1	House	0.3	0.01	0.2	0.3	0.1	0.6	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.06	--	0.08	0.007	0.3	2	0.2	0.3	0.2	3	1	3	0.3	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
209A	Agriculture	0.2	0.02	0.4	0.3	0.05	0.4	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.04	--	0.05	0.005	0.2	2	0.4	0.3	0.2	3	1	3	0.2	0.03	0.6	0.04	0.03	0.05	1	0.5	1	0.2
209-G1	Garden	0.2	0.01	0.2	0.3	0.08	0.6	--	0.7	0.09	0.03	0.001	0.02	0.02	0.008	0.05	--	0.07	0.009	0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
209-H1	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.06	--	0.09	0.01	0.4	2	0.3	0.3	0.2	3	1	3	0.3	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
209-P1	Play Area	0.4	0.02	0.3	0.3	0.1	0.7	--	1	0.2	0.05	0.002	0.03	0.03	0.01	0.06	--	0.1	0.02	0.4	2	0.3	0.3	0.3	3	1	4	0.3	0.06	0.6	0.03	0.03	0.05	1	0.5	1	0.2
210-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.003	0.03	--	0.04	0.003	0.2	2	0.2	0.3	0.1	2	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
210-O1	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.01	0.02	0.004	0.03	--	0.04	0.004	0.2	2	0.2	0.2	0.2	2	1	3	0.2	0.03	0.6	0.02	0.03	0.05	1	0.5	1	0.2
211-A1	Garden	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
211-G1	Garden	0.1	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
211-G2	Garden	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
211-H1	House	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.002	0.04	--	0.04	0.003	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
211-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.004	0.03	--	0.05	0.005	0.1	2	0.2	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
212-H1	House	0.1	0.02	0.3	0.5	0.1	0.3	--	0.6	0.08	0.01	0.002	0.02	0.05	0.01	0.03	--	0.06	0.008	0.1	2	0.3	0.5	0.2	2	1	3	0.3	0.03	0.6	0.03	0.05	0.05	1	0.5	1	0.2
212-H2	House	0.1	0.01	0.2	0.4	0.05	0.2	--	0.4	0.05	0.02	0.001	0.02	0.03	0.005	0.02	--	0.04	0.005	0.2	2	0.2	0.4	0.2	2	1	3	0.2	0.03	0.6	0.03	0.04	0.05	1	0.5	1	0.2
213-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.02	0.6	--	0.5	0.01	0.02	0.003	0.04	0.03	0.002	0.06	--	0.04	0.001	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.03	0.6	0.04	0.04	0.04	1	0.5	1	0.2
213-O2	Other -Not Specified	0.2	0.03	0.4	0.3	0.04	0.6	--	0.7	0.02	0.02	0.002	0.04	0.03	0.004	0.05	--	0.07	0.002	0.2	2	0.4	0.3	0.2	3	1	3	0.2	0.03	0.6	0.04	0.03	0.05	1	0.5	1	0.2
213-O3	Other -Not Specified	0.1	0.02	0.4	0.4	0.03	0.3	--	0.5	0.02	0.02	0.002	0.03	0.04	0.003	0.03	--	0.05	0.002	0.2	2	0.4	0.5	0.1	2	1	3	0.2	0.03	0.6	0.04	0.05	0.04	1	0.5	1	0.2
21G	Garden	0.3	0.02	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	0.002	0.02	0.02	0.01	0.05	--	0.08	0.009	0.3	2	0.2	0.3	0.2	3	1	3	0.3	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
226C	House	0.3	0.01	0.2	0.2	0.1	0.3	--	0.9	0.06	0.03	0.001	0.02	0.02	0.01	0.03	--	0.09	0.006	0.3	2	0.2	0.2	0.3	2	1	3	0.2	0.04	0.6	0.02	0.02	0.06	1	0.5	1	0.2
230G	Garden	0.1	0.02	0.2	0.3	0.03	0.2	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.02	--	0.04	0.002	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
231Lower	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.03	--	0.05	0.004	0.2	2	0.3	0.3	0.2	2	1	3	0.2	0.04	0.6	0.03	0.03	0.04	1	0.5	1	0.2
238G	Garden	0.08	0.02	0.2	0.2	0.01	0.3	--	0.3	0.01	0.009	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
238M	Other -Not Specified	0.07	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.008	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
280yard	House	0.2	0.02	0.3	0.3	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008	0.2	2	0.4	0.3	0.2	3	1	3	0.3	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
284M	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
285M	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.4	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.04	--	0.05	0.004	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.04	0.03	0.05	1	0.5	1	0.2
288G1	Garden	0.1	0.02	0.3	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
288G2	Garden	0.08	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.002	0.1	2	0.3	0.3	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
289G3	Garden	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002	0.1	2	0.2	0.2	0.1	2	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
317M	Play Area	0.6	0.02	0.4	0.3	0.1	0.4	--	1	0.2	0.06	0.002	0.03	0.03	0.01	0.04	--	0.1	0.02	0.6	2	0.4	0.3	0.2	3	1	4	0.4	0.08	0.6	0.04	0.04	0.05	1	0.5	1	0.2
319M[c]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
320new	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.4	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.09	0.01	0.4	2	0.4	0.3	0.2	3	1	3	0.3	0.05	0.6	0.04	0.03	0.05	1	0.5	1	0.2
35PA[c]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.02	0.6	0.04	0.03	0.04	1	0.5	1	0.2
59A	House	0.3	0.01	0.2	0.2	0.1	0.4	--	0.7	0.1	0.04	0.001	0.02	0.02	0.01	0.04	--	0.07	0.01	0.4	2	0.2	0.2	0.2	3	1	3	0.3	0.05	0.6	0.02	0.02	0.05	1	0.5	1	0.2
62G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.002	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
72M	Agriculture	0.3	0.03	0.3	0.3	0.09	0.5	--	0.6	0.07	0.03	0.002	0.03	0.03	0.008	0.04	--	0.06	0.007	0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
72U	Other -Not Specified	0.2	0.04	0.4	0.4	0.04	0.5	--	0.6	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.06	0.003	0.2	2	0.5	0.4	0.2	3	1	3	0.2	0.04	0.6	0.05	0.04	0.05	1	0.5	1	0.2
94M	Agriculture	0.1	0.02	0.3	0.3	0.03	0.3	--	0.5	0.02	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.002	0.2	2	0.4	0.3	0.1	2	1	3	0.2	0.03	0.6	0.04	0.04	0.04	1	0.5	1	0.2
999G1	Garden	0.2	0.03	0.3	0.3	0.03	0.5	--	0.4	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
999M1	House	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.05	--	0.04	0.003	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.03	0.6	0.05	0.04	0.04	1	0.5	1	0.2
999M2	Garden	0.1	0.03	0.5	0.4	0.02	0.5	--	0.4	0.01	0.01	0.003	0.04	0.04	0.002	0.05	--	0.04	0.001	0.1	2	0.5	0.4	0.1	3	1	3	0.2	0.02	0.6	0.05	0.04	0.04	1	0.5	1	0.2
999M3	Other -Not Specified	0.2	0.05	0.7	0.6	0.06	1	--	0.8	0.06	0.02	0.004	0.06	0.06	0.006	0.09	--	0.08	0.006	0.2	2	0.7	0.6	0.2	3	1	3	0.2	0.04	0.6	0.07	0.06	0.05	1	0.5	1	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-20. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
Indoor Air		--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																		
Outdoor Air		--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02		**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Sturgeon)		ND	0.9	NA	NA	0.2	1	0.5	0.6	--	ND	0.3	NA	NA	0.08	0.4	0.2	0.2	--																		
Residential Soil/Dust[a]		**Number of DUs that exeed benchmark[c] for Soil/Dust:**									**Number of DUs that exeed benchmark[c] for Soil/Dust:**																													
DU	DU Type	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	588	0	18	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.08	0.9	0.4	0.3	0.2	2	0.5	0.8	0.2	0.009	0.3	0.04	0.02	0.08	0.8	0.2	0.2	0.2
9	Agriculture	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003		0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
13	Other -Not Specified	0.2	0.02	0.3	0.3	0.03	0.6	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003		0.2	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
14	Garden	0.2	0.02	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003		0.2	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
15	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.02	0.002	0.03	0.02	0.004	0.04	--	0.05	0.003		0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.02	0.08	0.8	0.2	0.3	0.2
16	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.05	--	0.09	0.01		0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
17	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.005		0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
18[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.08	0.9	0.4	0.3	0.2	2	0.5	0.8	0.2	0.009	0.3	0.04	0.02	0.08	0.8	0.2	0.2	0.2
20[b]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.08	0.9	0.4	0.3	0.2	2	0.5	0.8	0.2	0.009	0.3	0.04	0.02	0.08	0.8	0.2	0.2	0.2
21	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.02	0.02	0.002	0.03	0.02	0.004	0.04	--	0.04	0.002		0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.02	0.08	0.8	0.2	0.3	0.2
22	House	0.3	0.02	0.3	0.3	0.05	0.4	--	0.6	0.04	0.03	0.001	0.02	0.02	0.004	0.04	--	0.06	0.004		0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
25	House	0.1	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002		0.1	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
27	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004		0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
28	Garden	0.07	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001		0.07	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.03	0.03	0.08	0.8	0.2	0.2	0.2
29	Other -Not Specified	0.09	0.02	0.3	0.3	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001		0.09	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
30	Other -Not Specified	0.2	0.02	0.4	0.3	0.02	0.5	--	0.4	0.01	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.001		0.2	0.9	0.4	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
31	Other -Not Specified	0.2	0.02	0.4	0.3	0.07	0.8	--	0.7	0.07	0.02	0.002	0.03	0.03	0.007	0.07	--	0.07	0.007		0.2	0.9	0.4	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.03	0.03	0.09	0.9	0.2	0.3	0.2
33	House	0.2	0.02	0.2	0.2	0.1	0.5	--	0.6	0.05	0.02	0.002	0.02	0.02	0.009	0.04	--	0.06	0.005		0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
35[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.08	0.9	0.4	0.3	0.2	2	0.5	0.8	0.2	0.009	0.3	0.04	0.02	0.08	0.8	0.2	0.2	0.2
39[b]	Agriculture	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.08	0.9	0.4	0.3	0.2	2	0.5	0.8	0.2	0.009	0.3	0.04	0.02	0.08	0.8	0.2	0.2	0.2
40[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.08	0.9	0.4	0.3	0.2	2	0.5	0.8	0.2	0.009	0.3	0.04	0.02	0.08	0.8	0.2	0.2	0.2
42	House	0.09	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.04	0.004		0.09	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
44	Agriculture	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003		0.1	0.9	0.2	0.2	0.3	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
46	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005		0.1	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
47	Agriculture	0.1	0.01	0.2	0.3	0.07	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.007	0.04	--	0.05	0.005		0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
49[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.08	0.9	0.4	0.3	0.2	2	0.5	0.8	0.2	0.009	0.3	0.04	0.02	0.08	0.8	0.2	0.2	0.2
55	House	0.09	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002		0.09	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
56	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.006		0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
58	Agriculture	0.09	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002		0.09	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
59	House	0.2	0.01	0.1	0.2	0.09	0.3	--	0.5	0.07	0.02	0.0009	0.01	0.02	0.009	0.03	--	0.05	0.007		0.2	0.9	0.1	0.2	0.3	2	0.5	1	0.3	0.02	0.3	0.01	0.02	0.09	0.8	0.2	0.3	0.2
60	Garden	0.1	0.02	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002		0.1	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
61	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.004		0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
62	House	0.1	0.02	0.3	0.3	0.03	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.004		0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
66	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.5	--	0.6	0.04	0.02	0.001	0.02	0.03	0.007	0.04	--	0.06	0.004		0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
67	Garden	0.2	0.02	0.3	0.3	0.09	0.5	--	0.6	0.05	0.03	0.002	0.02	0.03	0.008	0.05	--	0.06	0.005		0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
70	House	0.2	0.03	0.3	0.3	0.08	0.4	--	0.6	0.06	0.02	0.003	0.03	0.03	0.008	0.04	--	0.06	0.006		0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
71	Garden	0.2	0.03	0.3	0.3	0.06	0.4	--	0.5	0.04	0.03	0.003	0.03	0.03	0.005	0.04	--	0.05	0.004		0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
72	Garden	0.2	0.04	0.4	0.4	0.08	0.4	--	0.7	0.08	0.03	0.004	0.04	0.04	0.008	0.03	--	0.07	0.008		0.2	0.9	0.4	0.4	0.3	2	0.5	1	0.3	0.03	0.3	0.04	0.04	0.09	0.8	0.2	0.3	0.2
75	House	0.3	0.02	0.3	0.3	0.2	0.7	--	0.9	0.1	0.03	0.001	0.03	0.03	0.02	0.06	--	0.09	0.01		0.3	0.9	0.3	0.3	0.4	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.1	0.8	0.2	0.3	0.2
82	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002		0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
85	House	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001		0.07	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.007	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
86	Agriculture	0.1	0.02	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.003		0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
87	Agriculture	0.09	0.02	0.2	0.2	0.03	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003		0.09	0.9	0.2	0.2	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
106	House	0.4	0.02	0.2	0.3	0.1	0.6	--	0.8	0.07	0.04	0.001	0.02	0.02	0.01	0.05	--	0.08	0.007		0.4	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.04	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
107	Garden	0.3	0.02	0.3	0.3	0.09	0.6	--	0.6	0.05	0.03	0.002	0.03	0.03	0.008	0.06	--	0.06	0.005		0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
108	Garden	0.3	0.03	0.3	0.3	0.07	0.5	--	0.6	0.05	0.04	0.003	0.02	0.03	0.007	0.04	--	0.06	0.005		0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.04	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
109[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.08	0.9	0.4	0.3	0.2	2	0.5	0.8	0.2	0.009	0.3	0.04	0.02	0.08	0.8	0.2	0.2	0.2
110	House	0.1	0.01	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002		0.1	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
111	Other -Not Specified	0.1	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002		0.1	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
112	House	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.06	0.002	0.03	0.02	0.01	0.05	--	0.1	0.01		0.5	0.9	0.3	0.3	0.4	2	0.5	2	0.3	0.06	0.3	0.03	0.02	0.09	0.8	0.2	0.3	0.2
121	House	0.2	0.03	0.5	0.4	0.04	0.8	--	0.7	0.06	0.02	0.003	0.05	0.04	0.004	0.08	--	0.07	0.006		0.2	0.9	0.5	0.4	0.3	2	0.5	1	0.3	0.02	0.3	0.05	0.04	0.08	0.9	0.2	0.3	0.2
122	Other -Not Specified	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.03	0.003	0.04	0.04	0.003	0.06	--	0.06	0.003		0.2	0.9	0.5	0.4	0.2	2	0.5	1	0.2	0.03	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
123	House	0.3	0.02	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	0.002	0.03	0.02	0.01	0.05	--	0.08	0.01		0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.02	0.09	0.8	0.2	0.3	0.2
135	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.004		0.1	0.9	0.2	0.2	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
146	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.002	0.05	--	0.05	0.003		0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
147	Garden	0.09	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.001	0.03	--	0.03	0.001		0.09	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
151[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.08	0.9	0.4	0.3	0.2	2	0.5	0.8	0.2	0.009	0.3	0.04	0.02	0.08	0.8	0.2	0.2	0.2
152	Other -Not Specified	0.2	0.02	0.4	0.3	0.05	0.4	--	0.6	0.07	0.02	0.002	0.03	0.03	0.004	0.04	--	0.06	0.007		0.2	0.9	0.4	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
154	House	0.06	0.01	0.1	0.2	0.02	0.2	--	0.2	0.02	0.007	0.001	0.01	0.02	0.002	0.02	--	0.02	0.002		0.06	0.9	0.1	0.2	0.2	2	0.5	0.8	0.2	0.007	0.3	0.01	0.02	0.08	0.8	0.2	0.2	0.2
160	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.05	0.02	0.002	0.03	0.02	0.004	0.05	--	0.05	0.005		0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.02	0.08	0.8	0.2	0.3	0.2
163	House	0.2	0.02	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.04	--	0.05	0.004		0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2

Table 5-20. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
164	Agriculture	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
167	Agriculture	0.1	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
168	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.009	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
169	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.6	--	0.7	0.07	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.007	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
170[b]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	0.9	0.2	0.3	0.2	2	0.5	0.7	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
175	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.02	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004	0.2	0.9	0.2	0.2	0.2	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
177	Agriculture	0.3	0.01	0.2	0.2	0.05	0.3	--	0.6	0.05	0.03	0.001	0.02	0.02	0.004	0.03	--	0.06	0.005	0.3	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.03	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
185	House	0.3	0.02	0.4	0.3	0.06	0.4	--	0.7	0.05	0.03	0.002	0.04	0.03	0.006	0.04	--	0.07	0.005	0.3	0.9	0.4	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.04	0.03	0.09	0.8	0.2	0.3	0.2
186	House	0.2	0.02	0.3	0.2	0.06	0.3	--	0.6	0.06	0.02	0.002	0.02	0.02	0.005	0.03	--	0.06	0.006	0.2	0.9	0.3	0.2	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
189	House	0.2	0.02	0.3	0.3	0.05	0.5	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.05	--	0.06	0.004	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
192	House	0.2	0.03	0.4	0.3	0.06	0.4	--	0.7	0.06	0.02	0.003	0.04	0.03	0.006	0.04	--	0.07	0.006	0.2	0.9	0.4	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.04	0.03	0.09	0.8	0.2	0.3	0.2
193	House	0.2	0.01	0.2	0.3	0.08	0.3	--	0.6	0.04	0.02	0.001	0.02	0.03	0.008	0.03	--	0.06	0.004	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
194[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	0.9	0.4	0.3	0.2	2	0.5	0.8	0.2	0.009	0.3	0.04	0.02	0.08	0.8	0.2	0.2	0.2
196[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	0.9	0.4	0.3	0.2	2	0.5	0.8	0.2	0.009	0.3	0.04	0.02	0.08	0.8	0.2	0.2	0.2
201	House	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
203[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	0.9	0.4	0.3	0.2	2	0.5	0.8	0.2	0.009	0.3	0.04	0.02	0.08	0.8	0.2	0.2	0.2
206	House	0.1	0.02	0.3	0.2	0.05	0.3	--	0.5	0.04	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.004	0.1	0.9	0.3	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
208	Other -Not Specified	0.2	0.02	0.4	0.3	0.1	0.4	--	0.6	0.05	0.02	0.002	0.03	0.03	0.01	0.04	--	0.06	0.005	0.2	0.9	0.4	0.3	0.4	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
213	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.4	--	0.8	0.09	0.04	0.002	0.02	0.02	0.01	0.04	--	0.08	0.009	0.3	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.04	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
216	House	0.3	0.01	0.2	0.3	0.1	0.4	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.04	--	0.07	0.007	0.3	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
218[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	0.9	0.4	0.3	0.2	2	0.5	0.8	0.2	0.009	0.3	0.04	0.02	0.08	0.8	0.2	0.2	0.2
229	Play Area	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.07	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
231	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.004	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
246	Play Area	0.05	0.02	0.2	0.2	0.01	0.2	--	0.2	0.01	0.006	0.002	0.02	0.02	0.001	0.02	--	0.02	0.001	0.05	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.006	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
249	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	0.9	0.2	0.2	0.3	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
250	House	0.2	0.01	0.2	0.2	0.05	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.005	0.03	--	0.04	0.003	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
253	House	0.1	0.01	0.2	0.2	0.03	0.2	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003	0.1	0.9	0.2	0.2	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
280	Other -Not Specified	0.3	0.02	0.4	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.009	0.05	--	0.07	0.009	0.3	0.9	0.4	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
287	Agriculture	0.1	0.02	0.3	0.3	0.09	0.6	--	0.6	0.06	0.02	0.001	0.03	0.03	0.008	0.06	--	0.06	0.006	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
288	House	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002	0.08	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
291	Agriculture	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002	0.07	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
306	Other -Not Specified	0.1	0.01	0.2	0.2	0.02	0.2	--	0.4	0.02	0.01	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	0.1	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
315	House	0.1	0.02	0.3	0.3	0.01	0.3	--	0.4	0.01	0.01	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.1	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.2	0.2
316	Other -Not Specified	0.1	0.02	0.3	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
317	House	0.3	0.03	0.4	0.3	0.06	0.4	--	0.8	0.07	0.03	0.002	0.03	0.03	0.006	0.03	--	0.08	0.007	0.3	0.9	0.4	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
318	Other -Not Specified	0.4	0.02	0.3	0.3	0.1	0.4	--	1	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.1	0.01	0.4	0.9	0.3	0.3	0.3	2	0.5	2	0.3	0.04	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
319	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.5	--	1	0.2	0.04	0.002	0.03	0.03	0.01	0.05	--	0.1	0.02	0.4	0.9	0.4	0.3	0.3	2	0.5	2	0.4	0.04	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
325	Garden	0.1	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
326	Other -Not Specified	0.08	0.02	0.2	0.2	0.02	0.2	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	0.08	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
327	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.07	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
345	Play Area	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.003	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
346	Garden	0.2	0.02	0.3	0.3	0.07	0.5	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
347	Other -Not Specified	0.2	0.01	0.3	0.2	0.09	0.4	--	0.7	0.09	0.02	0.001	0.02	0.02	0.009	0.04	--	0.07	0.009	0.2	0.9	0.3	0.2	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
801	Other -Not Specified	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.06	0.03	0.001	0.01	0.03	0.009	0.02	--	0.07	0.006	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.01	0.03	0.09	0.8	0.2	0.3	0.2
1001	Other -Not Specified	0.3	0.01	0.2	0.4	0.1	0.2	--	0.8	0.1	0.03	0.001	0.02	0.03	0.01	0.02	--	0.08	0.01	0.3	0.9	0.2	0.4	0.3	2	0.5	1	0.3	0.03	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
1005	Garden	0.2	0.02	0.3	0.3	0.05	0.3	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
1006	House	0.1	0.03	0.3	0.3	0.03	0.3	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.03	--	0.04	0.003	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
1007	Garden	0.08	0.03	0.3	0.3	0.02	0.3	--	0.4	0.02	0.009	0.003	0.02	0.03	0.002	0.03	--	0.03	0.002	0.08	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
1008	Agriculture	0.09	0.03	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.003	0.02	0.02	0.004	0.03	--	0.04	0.004	0.09	0.9	0.2	0.2	0.3	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
1010	Agriculture	0.1	0.03	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004	0.1	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
1011	Agriculture	0.2	0.02	0.1	0.2	0.06	0.2	--	0.4	0.05	0.02	0.001	0.01	0.01	0.006	0.02	--	0.04	0.005	0.2	0.9	0.1	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.01	0.01	0.09	0.8	0.2	0.3	0.2
1015	Garden	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.08	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
1017	Garden	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.1	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
1018	Garden	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
1020	Garden	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.05	0.004	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
1021[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	0.9	0.4	0.3	0.2	2	0.5	0.8	0.2	0.009	0.3	0.04	0.02	0.08	0.8	0.2	0.2	0.2
1030[b]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	0.9	0.2	0.3	0.2	2	0.5	0.7	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
1035	Garden	0.2	0.03	0.3	0.3	0.05	0.5	--	0.5	0.04	0.02	0.003	0.03	0.03	0.005	0.05	--	0.05	0.004	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
1036	Play Area	0.1	0.02	0.3	0.3	0.03	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
1037	Garden	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.003	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
1060	House	0.1	0.02	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.1	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
3000	House	0.05	0.02	0.2	0.2	0.01	0.2	--	0.3	0.008	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	0.05	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.006	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
3001	Garden	0.3	0.04	0.5	0.5	0.1	0.5	--	1	0.07	0.04	0.003	0.05	0.05	0.01	0.04	--	0.1	0.008	0.3	0.9	0.5	0.5	0.3	2	0.5	2	0.3	0.04	0.3	0.05	0.05	0.09	0.8	0.2	0.3	0.2
3003	Other -Not Specified	0.4	0.02	0.4	0.4	0.09	0.4	--	0.9	0.08	0.04	0.002	0.03	0.04	0.008	0.04	--	0.09	0.009	0.4	0.9	0.4	0.4	0.3	2	0.5	1	0.3	0.04	0.3	0.03	0.04	0.09	0.8	0.2	0.3	0.2
3004	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
075-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.08	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2

Table 5-20. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																		**Total HI Across Pathways**															
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		**By Target Organ System**															
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																		
075-H1	House	0.1	0.02	0.2	0.3	0.05	0.5	--	0.5	0.05	0.01	0.001	0.02	0.02	0.005	0.04	--	0.05	0.005	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
075-O1	Other -Not Specified	0.1	0.02	0.2	0.6	0.08	0.3	--	0.6	0.09	0.02	0.002	0.02	0.05	0.007	0.03	--	0.06	0.009	0.1	0.9	0.2	0.6	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.05	0.09	0.8	0.2	0.3	0.2
076-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
076-G2	Garden	0.2	0.02	0.3	0.4	0.06	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.005	0.2	0.9	0.3	0.4	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
076-H1	House	0.1	0.02	0.3	0.3	0.04	0.7	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.005	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.9	0.2	0.3	0.2
076-H2	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
076-N1	Animal Activity Area	0.2	0.02	0.3	0.4	0.1	0.6	--	0.5	0.04	0.02	0.002	0.03	0.03	0.009	0.05	--	0.05	0.004	0.2	0.9	0.3	0.4	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
077-A1	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.04	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
077-A2	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.04	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.004	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
077-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.04	0.9	0.2	0.3	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
077-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.05	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
077-H2	House	0.04	0.01	0.2	0.2	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.04	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
077-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001	0.05	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
078-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.02	0.002	0.05	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.006	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
078-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.009	0.004	0.001	0.01	0.02	0.0006	0.02	--	0.02	0.0009	0.03	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.004	0.3	0.01	0.02	0.08	0.8	0.2	0.2	0.2
078-N1	Animal Activity Area	0.04	0.01	0.2	0.2	0.009	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.001	0.04	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
078-O1	Other -Not Specified	0.04	0.01	0.2	0.3	0.008	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.0008	0.03	--	0.02	0.001	0.04	0.9	0.2	0.3	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
079-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.1	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
079-H2	House	0.2	0.02	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.05	--	0.05	0.004	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
080-H1	House	0.1	0.04	0.5	0.4	0.02	0.5	--	0.5	0.01	0.02	0.004	0.05	0.03	0.001	0.04	--	0.05	0.001	0.1	0.9	0.5	0.4	0.2	2	0.5	1	0.2	0.02	0.3	0.05	0.03	0.08	0.8	0.2	0.3	0.2
081-A1	Agriculture	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002	0.06	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.007	0.3	0.03	0.03	0.08	0.8	0.2	0.2	0.2
081-H1	House	0.09	0.03	0.4	0.3	0.02	0.4	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.04	--	0.04	0.003	0.09	0.9	0.4	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.04	0.03	0.08	0.8	0.2	0.3	0.2
081-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.05	0.5	--	0.5	0.06	0.01	0.002	0.04	0.04	0.005	0.05	--	0.05	0.006	0.1	0.9	0.4	0.4	0.3	2	0.5	1	0.2	0.01	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
082-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.009	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.0009	0.05	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.006	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
082-G2	Garden	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.07	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
082-H1	House	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002	0.05	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.006	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
082-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002	0.06	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.007	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
082-N2	Animal Activity Area	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.07	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
083-G1	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.09	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
083-G2	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.03	0.002	0.08	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
083-H1	House	0.08	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.08	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
084-H1	House	0.04	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.005	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001	0.04	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.005	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
085-H1	House	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.07	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
085-O1	Other -Not Specified	0.1	0.02	0.4	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.005	0.04	--	0.04	0.004	0.1	0.9	0.4	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
085-P1	Play Area	0.2	0.03	0.3	0.3	0.06	0.7	--	0.6	0.06	0.02	0.003	0.03	0.03	0.005	0.07	--	0.06	0.006	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
086-G1	Garden	0.09	0.01	0.2	0.3	0.03	0.5	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.09	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
086-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.09	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
086-H2	House	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
087-H1	House	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.08	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
087-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.005	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
088-H1	House	0.2	0.02	0.3	0.3	0.08	0.7	--	0.8	0.08	0.03	0.002	0.03	0.03	0.007	0.06	--	0.08	0.008	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
088-H2	House	0.1	0.01	0.2	0.2	0.05	0.4	--	0.5	0.06	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.006	0.1	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
088-O1	Other -Not Specified	0.2	0.01	0.2	0.3	0.06	0.7	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.06	--	0.06	0.006	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
089-A1	Agriculture	0.1	0.02	0.3	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.1	0.9	0.3	0.4	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
089-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.004	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
089-O1	Other -Not Specified	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.08	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
090-H1	House	0.05	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.006	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.05	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.006	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
090-O2	Other -Not Specified	0.06	0.02	0.3	0.4	0.04	0.5	--	0.5	0.02	0.007	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.06	0.9	0.3	0.4	0.2	2	0.5	1	0.2	0.007	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
091-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.003	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
091-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
092-O1	Other -Not Specified	0.08	0.02	0.2	0.2	0.07	0.3	--	0.5	0.06	0.01	0.001	0.02	0.02	0.007	0.02	--	0.05	0.006	0.08	0.9	0.2	0.2	0.3	2	0.5	1	0.3	0.01	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
092-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004	0.09	0.9	0.2	0.2	0.3	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
093-H1	House	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.002	0.1	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
094-H1	House	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
094-P1	Play Area	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.06	--	0.05	0.004	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
095-A1	Agriculture	0.2	0.01	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.007	0.06	--	0.06	0.007	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
095-H1	House	0.2	0.02	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.02	0.03	0.005	0.05	--	0.06	0.005	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
095-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.07	0.5	--	0.5	0.06	0.02	0.001	0.02	0.03	0.006	0.05	--	0.05	0.006	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
095-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.008	0.06	--	0.06	0.007	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
096-H1	House	0.2	0.02	0.3	0.3	0.08	0.5	--	0.6	0.07	0.02	0.002	0.03	0.03	0.007	0.05	--	0.06	0.007	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
096-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.09	0.5	--	0.9	0.1	0.03	0.002	0.03	0.03	0.008	0.05	--	0.09	0.01	0.3	0.9	0.3	0.4	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
097-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.03	--	0.05	0.004	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
097-H2	House	0.08	0.02	0.2	0.3	0.03	0.2	--	0.6	0.04	0.009	0.002	0.02	0.03	0.003	0.02	--	0.05	0.004	0.08	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.009	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
098-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001	0.04	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.005	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
098-H1	House	0.03	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.004	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001	0.03	0.9	0.2	0.3	0.2	2	0.5	0.8	0.2	0.004	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
098-O1	Other -Not Specified	0.03	0.01	0.2	0.3	0.01	0.3	--	0.3	0.008	0.004	0.001	0.02	0.03	0.001	0.02	--	0.03	0.0008	0.03	0.9	0.2	0.3	0.2	2	0.5	0.8	0.2	0.004	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
099-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.08	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.009	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2

Table 5-20. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
099-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.4	--	0.3	0.03	0.01	0.0001	0.02	0.02	0.003	0.04	--	0.03	0.003	0.09	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
099-H1	House	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.05	0.01	0.0001	0.02	0.02	0.005	0.03	--	0.04	0.005	0.09	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
099-O1	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.5	0.05	0.01	0.0001	0.02	0.02	0.005	0.03	--	0.05	0.005	0.09	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
100-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.4	--	0.5	0.02	0.008	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.07	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.008	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
100-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.006	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
100-N1	Animal Activity Area	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
100-N2	Animal Activity Area	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
100-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.03	--	0.04	0.004	0.1	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
101-G1	Garden	0.09	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.09	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
101-H1	House	0.08	0.02	0.2	0.3	0.05	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.005	0.08	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
101-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.07	0.02	0.002	0.03	0.03	0.006	0.05	--	0.05	0.007	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
102-G1	Garden	0.09	0.02	0.4	0.4	0.03	0.6	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.09	0.9	0.4	0.4	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
102-H1	House	0.07	0.03	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.07	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.03	0.03	0.08	0.8	0.2	0.2	0.2
103-H1	House	0.1	0.01	0.2	0.3	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
103-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.04	--	0.04	0.004	0.1	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
104-H1	House	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.05	0.03	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006	0.3	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
104-H2	House	0.2	0.01	0.2	0.3	0.04	0.4	--	0.6	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.06	0.005	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
104-N1	Animal Activity Area	0.2	0.01	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.004	0.04	--	0.05	0.004	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
105-H1	House	0.1	0.01	0.1	0.2	0.04	0.3	--	0.3	0.03	0.01	0.0009	0.01	0.02	0.004	0.03	--	0.03	0.003	0.1	0.9	0.1	0.2	0.3	2	0.5	0.9	0.2	0.01	0.3	0.01	0.02	0.08	0.8	0.2	0.2	0.2
105-P1	Play Area	0.1	0.007	0.1	0.1	0.09	0.3	--	0.4	0.04	0.01	0.0007	0.009	0.01	0.009	0.02	--	0.04	0.004	0.1	0.9	0.1	0.1	0.3	2	0.5	1	0.2	0.01	0.3	0.009	0.01	0.09	0.8	0.2	0.3	0.2
106-G1	Garden	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.006	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001	0.05	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.006	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
106-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001	0.05	0.9	0.2	0.3	0.2	2	0.5	0.8	0.2	0.006	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
106-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.002	0.02	0.03	0.001	0.03	--	0.02	0.001	0.04	0.9	0.2	0.3	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
106-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.01	0.3	--	0.3	0.008	0.006	0.002	0.02	0.03	0.001	0.03	--	0.03	0.0008	0.05	0.9	0.3	0.3	0.2	2	0.5	0.8	0.2	0.006	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
107-H1	House	0.08	0.01	0.2	0.2	0.09	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.009	0.04	--	0.05	0.005	0.08	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
108-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.03	--	0.04	0.003	0.09	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
108-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.005	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
108-O2	Other -Not Specified	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.04	--	0.03	0.003	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
109-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	0.9	0.2	0.3	0.2	2	0.5	0.7	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
110-A1	Agriculture	0.1	0.01	0.3	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.05	--	0.05	0.004	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
110G	Garden	0.1	0.02	0.2	0.2	0.02	0.4	--	0.3	0.01	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
110-G1	Garden	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.05	--	0.04	0.003	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
110-G2	Garden	0.06	0.01	0.2	0.3	0.02	0.5	--	0.3	0.01	0.007	0.001	0.02	0.03	0.002	0.05	--	0.03	0.001	0.06	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.007	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
110-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.09	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
110-O1	Other -Not Specified	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.06	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.007	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
110-O2	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.01	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
111-H1	House	0.07	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
112G	Garden	0.3	0.03	0.3	0.3	0.1	0.6	--	0.7	0.06	0.04	0.002	0.03	0.02	0.01	0.05	--	0.07	0.006	0.3	0.9	0.3	0.3	0.4	2	0.5	1	0.3	0.04	0.3	0.03	0.02	0.09	0.8	0.2	0.3	0.2
112-G1	Garden	0.2	0.04	0.3	0.3	0.06	0.4	--	0.5	0.06	0.02	0.004	0.03	0.03	0.006	0.03	--	0.05	0.006	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
112-H1	House	0.2	0.04	0.3	0.3	0.05	0.3	--	0.4	0.06	0.02	0.003	0.03	0.03	0.005	0.03	--	0.04	0.006	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
112-O1	Other -Not Specified	0.3	0.03	0.3	0.3	0.1	0.4	--	0.7	0.1	0.03	0.003	0.03	0.03	0.01	0.04	--	0.07	0.01	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
113-G1	Garden	0.2	0.02	0.3	0.4	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008	0.2	0.9	0.3	0.4	0.3	2	0.5	1	0.3	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
113-G2	Garden	0.2	0.02	0.3	0.4	0.1	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.008	0.2	0.9	0.3	0.4	0.3	2	0.5	1	0.3	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
113-G3	Garden	0.1	0.02	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004	0.1	0.9	0.2	0.2	0.3	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
113low	Other -Not Specified	0.3	0.02	0.3	0.3	0.08	0.6	--	0.8	0.08	0.03	0.002	0.03	0.03	0.008	0.06	--	0.08	0.008	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
113-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.006	0.04	--	0.05	0.006	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
113up	Other -Not Specified	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.05	0.001	0.02	0.02	0.01	0.06	--	0.1	0.01	0.5	0.9	0.3	0.3	0.3	2	0.5	2	0.3	0.05	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
114-G1	Garden	0.1	0.02	0.2	0.4	0.05	0.2	--	0.5	0.09	0.02	0.001	0.02	0.04	0.005	0.02	--	0.05	0.01	0.1	0.9	0.2	0.4	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.04	0.08	0.8	0.2	0.3	0.2
114-H1	House	0.2	0.02	0.2	0.5	0.08	0.3	--	0.6	0.1	0.02	0.002	0.02	0.05	0.008	0.03	--	0.06	0.01	0.2	0.9	0.2	0.5	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.05	0.09	0.8	0.2	0.3	0.2
114-O1	Other -Not Specified	0.1	0.02	0.2	0.5	0.07	0.3	--	0.6	0.09	0.02	0.002	0.02	0.05	0.007	0.03	--	0.06	0.01	0.1	0.9	0.2	0.5	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.05	0.09	0.8	0.2	0.3	0.2
115-O1	Other -Not Specified	0.5	0.03	0.4	0.4	0.1	0.4	--	1	0.06	0.06	0.002	0.03	0.04	0.01	0.03	--	0.1	0.007	0.5	0.9	0.4	0.4	0.3	2	0.5	2	0.3	0.06	0.3	0.03	0.04	0.09	0.8	0.2	0.3	0.2
115SP	Other -Not Specified	0.4	0.02	0.3	0.3	0.2	0.5	--	1	0.1	0.04	0.002	0.02	0.03	0.02	0.05	--	0.1	0.01	0.4	0.9	0.3	0.3	0.4	2	0.5	2	0.3	0.04	0.3	0.02	0.03	0.1	0.8	0.2	0.3	0.2
116M	House	0.2	0.02	0.2	0.4	0.2	0.2	--	0.7	0.08	0.03	0.001	0.02	0.04	0.02	0.02	--	0.07	0.008	0.2	0.9	0.2	0.4	0.4	2	0.5	1	0.3	0.03	0.3	0.02	0.04	0.1	0.8	0.2	0.3	0.2
116-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.008	0.002	0.02	0.03	0.004	0.05	--	0.04	0.004	0.07	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.008	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
117-O1	Other -Not Specified	0.1	0.04	0.4	0.5	0.01	0.5	--	0.4	0.006	0.02	0.003	0.04	0.04	0.001	0.04	--	0.04	0.0006	0.1	0.9	0.4	0.5	0.2	2	0.5	0.9	0.2	0.02	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
118-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.5	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.05	--	0.03	0.001	0.06	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.007	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
118-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.4	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.04	--	0.02	0.001	0.04	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
118-H1	House	0.04	0.01	0.2	0.3	0.01	0.4	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.04	--	0.03	0.001	0.04	0.9	0.2	0.3	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
118-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.03	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.06	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.007	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
118-N2	Animal Activity Area	0.09	0.01	0.2	0.2	0.04	0.6	--	0.3	0.03	0.01	0.001	0.02	0.02	0.004	0.06	--	0.03	0.003	0.09	0.9	0.2	0.2	0.3	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
119-P1	Play Area	0.3	0.01	0.3	0.3	0.1	0.7	--	0.8	0.09	0.04	0.001	0.02	0.03	0.01	0.07	--	0.09	0.009	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.04	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
120-A1	Agriculture	0.08	0.03	0.2	0.2	0.03	0.3	--	0.3	0.03	0.009	0.003	0.02	0.02	0.003	0.02	--	0.03	0.003	0.08	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.009	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
120-G1	Garden	0.08	0.03	0.1	0.1	0.04	0.2	--	0.2	0.04	0.009	0.002	0.01	0.01	0.004	0.02	--	0.02	0.004	0.08	0.9	0.1	0.1	0.3	2	0.5	0.8	0.2	0.009	0.3	0.01	0.01	0.08	0.8	0.2	0.2	0.2
120-H1	House	0.09	0.02	0.2	0.2	0.04	0.2	--	0.3	0.03	0.01	0.002	0.01	0.02	0.004	0.02	--	0.03	0.003	0.09	0.9	0.2	0.2	0.3	2	0.5	0.8	0.2	0.01	0.3	0.01	0.02	0.08	0.8	0.2	0.2	0.2
120-O1	Other -Not Specified	0.1	0.04	0.2	0.2	0.05	0.3	--	0.3	0.04	0.01	0.004	0.02	0.02	0.005	0.03	--	0.03	0.004	0.1	0.9	0.2	0.2	0.3	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
121-G1	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.009	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001	0.08	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2

Table 5-20. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																		
121-H1	House	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
121-N1	Animal Activity Area	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001	0.06	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.007	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
121-N2	Animal Activity Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.003	0.04	--	0.03	0.002	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
122-G1	Garden	0.07	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003	0.07	0.9	0.2	0.2	0.3	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
122-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.09	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
122-H1	House	0.08	0.02	0.3	0.3	0.04	0.5	--	0.4	0.05	0.009	0.001	0.02	0.03	0.004	0.04	--	0.04	0.005	0.08	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.009	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
122-H2	House	0.06	0.01	0.2	0.3	0.03	0.4	--	0.3	0.03	0.007	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003	0.06	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.007	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
122-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.06	0.5	--	0.5	0.06	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.006	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.01	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
122-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.1	0.5	--	0.7	0.1	0.02	0.001	0.02	0.03	0.009	0.04	--	0.07	0.01	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
122-P1	Play Area	0.1	0.02	0.2	0.3	0.1	0.6	--	0.7	0.1	0.02	0.001	0.02	0.03	0.01	0.05	--	0.07	0.01	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
123-G1	Garden	0.2	0.02	0.3	0.4	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.2	0.9	0.3	0.4	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
123-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
123-H1	House	0.1	0.03	0.3	0.4	0.04	0.7	--	0.4	0.03	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.003	0.1	0.9	0.3	0.4	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
123-O1	Other -Not Specified	0.1	0.02	0.3	0.4	0.03	0.7	--	0.5	0.04	0.01	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004	0.1	0.9	0.3	0.4	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
123-O2	Other -Not Specified	0.2	0.02	0.3	0.4	0.1	0.7	--	0.6	0.1	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.01	0.2	0.9	0.3	0.4	0.3	2	0.5	1	0.3	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
124-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.007	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002	0.06	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.007	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
124-G2	Garden	0.2	0.05	0.6	0.4	0.05	0.5	--	0.7	0.05	0.02	0.005	0.06	0.04	0.005	0.05	--	0.07	0.005	0.2	0.9	0.6	0.4	0.3	2	0.5	1	0.2	0.02	0.3	0.06	0.04	0.08	0.8	0.2	0.3	0.2
124-H1	House	0.1	0.04	0.5	0.5	0.02	0.5	--	0.5	0.03	0.01	0.004	0.05	0.05	0.002	0.05	--	0.05	0.003	0.1	0.9	0.5	0.5	0.2	2	0.5	1	0.2	0.01	0.3	0.05	0.05	0.08	0.8	0.2	0.3	0.2
124-N1	Animal Activity Area	0.07	0.03	0.3	0.2	0.02	0.2	--	0.3	0.02	0.008	0.003	0.03	0.02	0.002	0.02	--	0.03	0.002	0.07	0.9	0.3	0.2	0.2	2	0.5	0.9	0.2	0.008	0.3	0.03	0.02	0.08	0.8	0.2	0.2	0.2
124-N2	Animal Activity Area	0.04	0.02	0.2	0.3	0.005	0.3	--	0.3	0.004	0.005	0.002	0.02	0.03	0.0005	0.03	--	0.02	0.0004	0.04	0.9	0.2	0.3	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
124-O1	Other -Not Specified	0.1	0.05	0.6	0.5	0.04	0.6	--	0.6	0.05	0.02	0.004	0.05	0.05	0.004	0.05	--	0.06	0.005	0.1	0.9	0.6	0.5	0.3	2	0.5	1	0.2	0.02	0.3	0.05	0.05	0.08	0.8	0.2	0.3	0.2
125-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.3	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.04	0.003	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
126-A1	Agriculture	0.07	0.01	0.1	0.2	0.03	0.3	--	0.3	0.03	0.009	0.001	0.01	0.02	0.003	0.03	--	0.03	0.003	0.07	0.9	0.1	0.2	0.2	2	0.5	0.9	0.2	0.009	0.3	0.01	0.02	0.08	0.8	0.2	0.2	0.2
126-G1	Garden	0.09	0.02	0.2	0.3	0.02	0.3	--	0.4	0.01	0.01	0.001	0.02	0.03	0.002	0.03	--	0.04	0.001	0.09	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
126-G2	Garden	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.07	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
126-H1	House	0.04	0.01	0.1	0.2	0.01	0.2	--	0.2	0.01	0.005	0.0009	0.01	0.02	0.001	0.02	--	0.02	0.001	0.04	0.9	0.1	0.2	0.2	2	0.5	0.8	0.2	0.005	0.3	0.01	0.02	0.08	0.8	0.2	0.2	0.2
126-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.01	0.02	0.002	0.03	--	0.03	0.002	0.07	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.008	0.3	0.01	0.02	0.08	0.8	0.2	0.2	0.2
126-O2	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.2	--	0.2	0.01	0.006	0.0009	0.01	0.02	0.002	0.02	--	0.02	0.001	0.05	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.006	0.3	0.01	0.02	0.08	0.8	0.2	0.2	0.2
126-O3	Other -Not Specified	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.001	0.02	0.03	0.002	0.03	--	0.04	0.002	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
126-P1	Play Area	0.06	0.009	0.1	0.2	0.02	0.2	--	0.3	0.01	0.007	0.0008	0.01	0.02	0.002	0.01	--	0.03	0.001	0.06	0.9	0.1	0.2	0.2	2	0.5	0.9	0.2	0.007	0.3	0.01	0.02	0.08	0.8	0.2	0.2	0.2
127-A1	Agriculture	0.1	0.02	0.2	0.3	0.08	0.6	--	0.5	0.05	0.02	0.001	0.02	0.03	0.007	0.05	--	0.05	0.005	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
127-G1	Garden	0.07	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
127-G2	Garden	0.09	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.09	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
127-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.004	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
127-H2	House	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002	0.06	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.007	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
127-N1	Animal Activity Area	0.09	0.01	0.2	0.3	0.06	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.004	0.09	0.9	0.2	0.3	0.3	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
128-G1	Garden	0.2	0.04	0.4	0.4	0.03	0.5	--	0.5	0.02	0.02	0.004	0.04	0.04	0.002	0.04	--	0.05	0.002	0.2	0.9	0.4	0.4	0.2	2	0.5	1	0.2	0.02	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
128-G2	Garden	0.2	0.06	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.005	0.03	0.03	0.003	0.04	--	0.05	0.004	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
128-G3	Garden	0.1	0.03	0.3	0.4	0.02	0.5	--	0.5	0.02	0.01	0.002	0.03	0.04	0.002	0.05	--	0.04	0.002	0.1	0.9	0.3	0.4	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.04	0.08	0.8	0.2	0.3	0.2
128-N1	Animal Activity Area	0.2	0.03	0.3	0.4	0.05	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.004	0.2	0.9	0.3	0.4	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
128-O1	Other -Not Specified	0.1	0.05	0.3	0.4	0.03	0.5	--	0.5	0.03	0.02	0.005	0.03	0.03	0.003	0.05	--	0.05	0.003	0.1	0.9	0.3	0.4	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
129-H1	House	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.07	0.02	0.001	0.02	0.03	0.01	0.02	--	0.07	0.007	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
129-H2	House	0.2	0.01	0.2	0.2	0.1	0.3	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.03	--	0.06	0.008	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
130-G1	Garden	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.02	0.001	0.05	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.006	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
130-H1	House	0.03	0.01	0.2	0.3	0.009	0.2	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.03	0.9	0.2	0.3	0.2	2	0.5	0.8	0.2	0.004	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
130-H2	House	0.07	0.02	0.2	0.3	0.02	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.04	0.002	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
131-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.5	0.05	0.01	0.002	0.02	0.03	0.003	0.03	--	0.05	0.005	0.1	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
132-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.2	--	0.3	0.009	0.005	0.001	0.02	0.03	0.001	0.02	--	0.02	0.0009	0.04	0.9	0.2	0.3	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
132-G2	Garden	0.04	0.02	0.2	0.3	0.005	0.3	--	0.2	0.004	0.004	0.001	0.02	0.03	0.0005	0.03	--	0.02	0.0004	0.04	0.9	0.2	0.3	0.2	2	0.5	0.8	0.2	0.004	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
132-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.05	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.006	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
132-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.006	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001	0.05	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.006	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
133-G1	Garden	0.2	0.02	0.2	0.3	0.07	0.5	--	0.6	0.06	0.02	0.002	0.02	0.03	0.007	0.04	--	0.05	0.006	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
133-H1	House	0.1	0.05	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.005	0.02	0.03	0.003	0.03	--	0.04	0.003	0.1	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
134-O1	Other -Not Specified	0.4	0.01	0.2	0.3	0.2	0.4	--	1	0.1	0.05	0.001	0.02	0.03	0.02	0.04	--	0.1	0.01	0.4	0.9	0.2	0.3	0.4	2	0.5	2	0.3	0.05	0.3	0.02	0.03	0.1	0.8	0.2	0.3	0.2
135-G1	Garden	0.2	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.05	--	0.05	0.004	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
135-H1	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.6	0.05	0.02	0.002	0.02	0.03	0.004	0.05	--	0.06	0.005	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
135-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.06	--	0.05	0.004	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
136-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
136-G1	Garden	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.06	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.007	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
136-H1	House	0.06	0.02	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002	0.06	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
136-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.07	0.01	0.001	0.01	0.02	0.007	0.03	--	0.04	0.007	0.08	0.9	0.2	0.2	0.3	2	0.5	1	0.3	0.01	0.3	0.01	0.02	0.09	0.8	0.2	0.3	0.2
137-O1	Other -Not Specified	0.07	0.01	0.1	0.2	0.07	0.3	--	0.4	0.07	0.008	0.0009	0.01	0.02	0.006	0.03	--	0.04	0.007	0.07	0.9	0.1	0.2	0.3	2	0.5	1	0.3	0.008	0.3	0.01	0.02	0.09	0.8	0.2	0.3	0.2
137-O2	Other -Not Specified	0.08	0.01	0.2	0.2	0.05	0.3	--	0.4	0.06	0.009	0.001	0.02	0.02	0.005	0.03	--	0.04	0.006	0.08	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.009	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
138-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.003	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
138-G2	Garden	0.08	0.03	0.3	0.3	0.04	0.4	--	0.3	0.03	0.009	0.003	0.03	0.03	0.004	0.04	--	0.03	0.003	0.08	0.9	0.3	0.3	0.3	2	0.5	0.9	0.2	0.009	0.3	0.03	0.03	0.08	0.8	0.2	0.2	0.2
138-H1	House	0.09	0.03	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.002	0.09	0.9	0.3	0.4	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
138-O1	Other -Not Specified	0.06	0.02	0.3	0.4	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.04	0.002	0.04	--	0.03	0.002	0.06	0.9	0.3	0.4	0.2	2	0.5	0.9	0.2	0.007	0.3	0.03	0.04	0.08	0.8	0.2	0.2	0.2

Table 5-20. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																		**Total HI Across Pathways**															
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		**By Target Organ System**															
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																		
138-O2	Other -Not Specified	0.09	0.04	0.3	0.3	0.03	0.3	--	0.3	0.06	0.01	0.004	0.02	0.02	0.003	0.03	--	0.03	0.006	0.09	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
139-G1	Garden	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.08	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
139-G2	Garden	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.002	0.07	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
139-H1	House	0.06	0.01	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.06	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
139-N1	Animal Activity Area	0.07	0.01	0.3	0.3	0.03	0.4	--	0.4	0.02	0.008	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.07	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
140-G1	Garden	0.4	0.01	0.3	0.3	0.2	0.8	--	0.8	0.09	0.04	0.001	0.02	0.03	0.02	0.07	--	0.08	0.009	0.4	0.9	0.3	0.3	0.4	2	0.5	1	0.3	0.04	0.3	0.02	0.03	0.1	0.9	0.2	0.3	0.2
140-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	0.9	0.2	0.3	0.2	2	0.5	0.7	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
140-O1	Other -Not Specified	0.6	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.07	0.001	0.02	0.03	0.02	0.05	--	0.1	0.01	0.6	0.9	0.2	0.3	0.4	2	0.5	2	0.3	0.07	0.3	0.02	0.03	0.1	0.8	0.2	0.3	0.2
140-O2[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	0.9	0.2	0.3	0.2	2	0.5	0.7	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
141-A1	Agriculture	0.1	0.03	0.5	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.002	0.1	0.9	0.5	0.4	0.2	2	0.5	1	0.2	0.02	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
141-H1	House	0.1	0.03	0.4	0.4	0.03	0.4	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	0.1	0.9	0.4	0.4	0.2	2	0.5	0.9	0.2	0.02	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
141-H2	House	0.2	0.04	0.5	0.5	0.05	0.6	--	0.5	0.04	0.02	0.003	0.05	0.05	0.005	0.05	--	0.05	0.004	0.2	0.9	0.5	0.5	0.3	2	0.5	1	0.2	0.02	0.3	0.05	0.05	0.08	0.8	0.2	0.3	0.2
141-H3	House	0.1	0.03	0.4	0.4	0.04	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.003	0.1	0.9	0.4	0.4	0.2	2	0.5	1	0.2	0.02	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
141-N1	Animal Activity Area	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002	0.08	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.2	0.2
141-N2	Animal Activity Area	0.2	0.03	0.5	0.5	0.04	0.6	--	0.5	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.05	0.003	0.2	0.9	0.5	0.5	0.3	2	0.5	1	0.2	0.02	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
141-N3	Animal Activity Area	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.008	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	0.05	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
141-N4	Animal Activity Area	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	0.1	0.9	0.4	0.4	0.2	2	0.5	0.9	0.2	0.02	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
141-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.003	0.1	0.9	0.4	0.4	0.2	2	0.5	1	0.2	0.02	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
142-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.004	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
142-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.004	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
143-A1	Agriculture	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.08	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
143-G1	Garden	0.08	0.01	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.08	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
143-G2	Garden	0.08	0.01	0.2	0.2	0.02	0.4	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.08	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
143-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003	0.09	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
144-G1	Garden	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
144-H1	House	0.2	0.01	0.2	0.3	0.06	0.5	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.04	--	0.06	0.006	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
145-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.009	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.07	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.009	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
145-H1	House	0.1	0.02	0.3	0.3	0.06	0.6	--	0.6	0.07	0.02	0.002	0.02	0.03	0.006	0.06	--	0.06	0.007	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
146G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.01	0.01	0.002	0.03	0.03	0.002	0.05	--	0.05	0.001	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
146-H1	House	0.7	0.01	0.3	0.3	0.4	0.8	--	2	0.6	0.07	0.001	0.02	0.03	0.04	0.07	--	0.2	0.06	0.7	0.9	0.3	0.3	0.6	2	0.5	3	0.8	0.07	0.3	0.02	0.03	0.1	0.9	0.2	0.5	0.2
147-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.06	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
147-G2	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
147-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.08	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
148-H1	House	0.04	0.01	0.2	0.3	0.02	0.2	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.002	0.04	0.9	0.2	0.3	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
148-O1	Other -Not Specified	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.06	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.007	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
148-O3	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.02	--	0.05	0.004	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
149-A1	Agriculture	0.2	0.2	1	0.7	0.05	0.7	--	1	0.2	0.02	0.02	0.09	0.06	0.005	0.06	--	0.1	0.02	0.2	1	1	0.7	0.3	2	0.5	2	0.4	0.02	0.3	0.09	0.06	0.08	0.8	0.2	0.3	0.2
149-G1	Garden	0.1	0.09	0.7	0.5	0.05	0.7	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.06	--	0.07	0.008	0.1	1	0.7	0.5	0.3	2	0.5	1	0.3	0.02	0.3	0.07	0.05	0.08	0.8	0.2	0.3	0.2
149-G2	Garden	0.1	0.09	0.7	0.5	0.04	0.6	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.05	--	0.07	0.008	0.1	1	0.7	0.5	0.3	2	0.5	1	0.3	0.02	0.3	0.07	0.05	0.08	0.8	0.2	0.3	0.2
149-H1	House	0.1	0.09	0.7	0.5	0.06	0.6	--	0.7	0.09	0.02	0.009	0.07	0.05	0.005	0.06	--	0.07	0.009	0.1	1	0.7	0.5	0.3	2	0.5	1	0.3	0.02	0.3	0.07	0.05	0.09	0.8	0.2	0.3	0.2
149-N1	Animal Activity Area	0.1	0.07	0.5	0.4	0.03	0.5	--	0.6	0.06	0.01	0.006	0.05	0.04	0.003	0.05	--	0.05	0.006	0.1	1	0.5	0.4	0.2	2	0.5	1	0.2	0.01	0.3	0.05	0.04	0.08	0.8	0.2	0.3	0.2
150-G1	Garden	0.06	0.01	0.2	0.2	0.02	0.3	--	0.3	0.01	0.007	0.001	0.02	0.02	0.002	0.02	--	0.03	0.001	0.06	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.007	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
150-H1	House	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.05	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
151-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.004	0.1	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
152-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.004	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
152-H1	House	0.2	0.02	0.3	0.2	0.07	0.4	--	0.5	0.06	0.02	0.002	0.03	0.02	0.007	0.03	--	0.05	0.006	0.2	0.9	0.3	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.02	0.09	0.8	0.2	0.3	0.2
153-G1	Garden	0.2	0.02	0.2	0.3	0.06	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.06	--	0.05	0.004	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
153-H1	House	0.3	0.02	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	0.002	0.03	0.03	0.01	0.06	--	0.08	0.01	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
153-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.9	--	0.6	0.1	0.02	0.001	0.03	0.03	0.01	0.08	--	0.06	0.01	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.03	0.03	0.09	0.9	0.2	0.3	0.2
153-O2	Other -Not Specified	0.2	0.009	0.1	0.2	0.2	0.5	--	0.6	0.1	0.02	0.0008	0.01	0.02	0.02	0.04	--	0.06	0.01	0.2	0.9	0.1	0.2	0.4	2	0.5	1	0.3	0.02	0.3	0.01	0.02	0.1	0.8	0.2	0.3	0.2
153-O3	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.7	--	0.7	0.08	0.03	0.002	0.02	0.03	0.01	0.07	--	0.07	0.008	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
153-O5	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.7	--	0.8	0.09	0.03	0.001	0.02	0.03	0.01	0.07	--	0.08	0.009	0.3	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
153-O6	Other -Not Specified	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
153-O7	Other -Not Specified	0.3	0.02	0.3	0.3	0.2	0.8	--	0.8	0.1	0.04	0.002	0.02	0.03	0.02	0.07	--	0.08	0.01	0.3	0.9	0.3	0.3	0.4	2	0.5	1	0.3	0.04	0.3	0.02	0.03	0.1	0.9	0.2	0.3	0.2
153-P1	Play Area	0.3	0.02	0.3	0.3	0.1	0.8	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.07	--	0.09	0.01	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.9	0.2	0.3	0.2
154-G1	Garden	0.04	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.005	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.04	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.005	0.3	0.03	0.03	0.08	0.8	0.2	0.2	0.2
154-H1	House	0.04	0.02	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001	0.04	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
155-G1	Garden	0.2	0.01	0.2	0.2	0.08	0.5	--	0.5	0.05	0.02	0.001	0.02	0.02	0.007	0.04	--	0.05	0.006	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
155-G2	Garden	0.09	0.02	0.2	0.3	0.05	0.3	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.04	0.003	0.09	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
155-H1	House	0.07	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.07	0.9	0.2	0.2	0.2	2	0.5	1	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
155-H2	House	0.1	0.01	0.2	0.2	0.07	0.4	--	0.5	0.04	0.01	0.001	0.02	0.02	0.007	0.03	--	0.05	0.004	0.1	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
155-O2	Other -Not Specified	0.2	0.01	0.2	0.2	0.1	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.04	--	0.06	0.008	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
156-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.08	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
156-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005	0.1	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
157-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.07	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
157-H1	House	0.09	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.01	0.002	0.02	0.02	0.004	0.02	--	0.05	0.004	0.09	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2

Table 5-20. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
157-H2	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.02	--	0.04	0.003	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
157-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.02	--	0.03	0.003	0.07	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
158-H1	House	0.06	0.02	0.2	0.3	0.02	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.06	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.007	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
158-O1	Other -Not Specified	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001	0.05	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.006	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
159-G1	Garden	0.1	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.1	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
159-H1	House	0.08	0.01	0.2	0.2	0.02	0.2	--	0.3	0.02	0.01	0.001	0.01	0.02	0.002	0.02	--	0.03	0.002	0.08	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.01	0.3	0.01	0.02	0.08	0.8	0.2	0.2	0.2
159-H2	House	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.1	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
159-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.07	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
159-O2	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.07	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
160-G1	Garden	0.1	0.01	0.2	0.2	0.03	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004	0.1	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
160-H1	House	0.09	0.01	0.2	0.3	0.02	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.04	0.002	0.09	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
160-H2	House	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002	0.08	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
161-H1	House	0.1	0.02	0.2	0.3	0.04	0.4	--	0.5	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.005	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
161-N1	Animal Activity Area	0.08	0.01	0.2	0.2	0.03	0.3	--	0.3	0.04	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.004	0.08	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
162-H1	House	0.05	0.01	0.2	0.2	0.05	0.2	--	0.3	0.03	0.006	0.0009	0.02	0.02	0.005	0.02	--	0.03	0.003	0.05	0.9	0.2	0.2	0.3	2	0.5	0.9	0.2	0.006	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
163G	Garden	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.06	0.04	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006	0.3	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.04	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
163-G1	Garden	0.06	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.007	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.06	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.007	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
163-O1	Other -Not Specified	0.07	0.01	0.2	0.3	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.07	0.9	0.2	0.3	0.3	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
164-H1	House	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.006	0.03	--	0.04	0.005	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
165-H1	House	0.1	0.05	0.6	0.5	0.03	0.5	--	0.4	0.02	0.02	0.004	0.06	0.05	0.003	0.05	--	0.04	0.002	0.1	0.9	0.6	0.5	0.2	2	0.5	0.9	0.2	0.02	0.3	0.06	0.05	0.08	0.8	0.2	0.3	0.2
165-O1	Other -Not Specified	0.2	0.06	0.9	0.7	0.07	0.7	--	0.5	0.05	0.03	0.005	0.08	0.06	0.007	0.06	--	0.06	0.005	0.2	0.9	0.9	0.7	0.3	2	0.5	1	0.2	0.03	0.3	0.08	0.06	0.09	0.8	0.2	0.3	0.2
166-O1	Other -Not Specified	0.2	0.01	0.2	0.4	0.1	0.2	--	0.6	0.1	0.02	0.001	0.02	0.03	0.009	0.02	--	0.06	0.01	0.2	0.9	0.2	0.4	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
167-O1	Other -Not Specified	0.08	0.01	0.2	0.3	0.03	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.003	0.02	--	0.04	0.004	0.08	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
167-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.2	--	0.5	0.04	0.01	0.001	0.02	0.02	0.005	0.02	--	0.05	0.004	0.09	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
167-O3	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.6	0.07	0.01	0.001	0.02	0.02	0.008	0.03	--	0.06	0.007	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.01	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
167-O4	Other -Not Specified	0.09	0.01	0.2	0.3	0.06	0.3	--	0.6	0.04	0.01	0.001	0.02	0.03	0.005	0.03	--	0.06	0.004	0.09	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
167-O5	Other -Not Specified	0.1	0.01	0.2	0.3	0.07	0.3	--	0.6	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.06	0.004	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
167-O6	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.5	0.07	0.01	0.001	0.02	0.02	0.008	0.04	--	0.05	0.007	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.01	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
167-O7	Other -Not Specified	0.2	0.01	0.2	0.3	0.2	0.4	--	0.8	0.1	0.03	0.001	0.02	0.02	0.02	0.04	--	0.08	0.01	0.2	0.9	0.2	0.3	0.4	2	0.5	1	0.3	0.03	0.3	0.02	0.02	0.1	0.8	0.2	0.3	0.2
167-O8	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.04	0.009	0.001	0.01	0.02	0.008	0.03	--	0.05	0.004	0.08	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.009	0.3	0.01	0.02	0.09	0.8	0.2	0.3	0.2
167-O9	Other -Not Specified	0.09	0.01	0.2	0.3	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005	0.09	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
168-G1	Garden	0.04	0.02	0.2	0.3	0.02	0.3	--	0.3	0.03	0.005	0.002	0.02	0.02	0.002	0.03	--	0.03	0.003	0.04	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
168-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.05	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.006	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
168-H1	House	0.04	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.04	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.004	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
168-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.2	0.03	0.006	0.002	0.02	0.02	0.002	0.03	--	0.02	0.003	0.05	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.006	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
168-O1	Other -Not Specified	0.2	0.05	0.3	0.3	0.09	0.3	--	0.5	0.06	0.02	0.005	0.02	0.03	0.008	0.02	--	0.05	0.006	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
169A	Other -Not Specified	0.1	0.01	0.2	0.4	0.2	0.2	--	0.5	0.05	0.01	0.001	0.02	0.04	0.02	0.02	--	0.05	0.005	0.1	0.9	0.2	0.4	0.4	2	0.5	1	0.2	0.01	0.3	0.02	0.04	0.1	0.8	0.2	0.3	0.2
169-G2	Garden	0.06	0.01	0.2	0.3	0.03	0.2	--	0.3	0.02	0.007	0.001	0.02	0.03	0.003	0.02	--	0.03	0.002	0.06	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.007	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
169-G3	Garden	0.08	0.02	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.03	0.002	0.08	0.9	0.3	0.4	0.2	2	0.5	0.9	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.2	0.2
169-G4	Garden	0.07	0.02	0.2	0.3	0.04	0.3	--	0.3	0.02	0.008	0.001	0.02	0.03	0.004	0.03	--	0.03	0.002	0.07	0.9	0.2	0.3	0.3	2	0.5	0.9	0.2	0.008	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
169-H1	House	0.05	0.01	0.2	0.2	0.03	0.3	--	0.2	0.02	0.006	0.001	0.01	0.02	0.002	0.03	--	0.02	0.002	0.05	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.006	0.3	0.01	0.02	0.08	0.8	0.2	0.2	0.2
170-G1	Garden	0.08	0.02	0.2	0.3	0.03	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.03	0.002	0.08	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
170-G2	Garden	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.06	0.01	0.001	0.02	0.03	0.006	0.03	--	0.04	0.006	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
170-H1	House	0.07	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
171-A1	Agriculture	0.2	0.04	0.6	0.5	0.07	0.6	--	0.7	0.08	0.02	0.004	0.05	0.05	0.006	0.06	--	0.07	0.009	0.2	0.9	0.6	0.5	0.3	2	0.5	1	0.3	0.02	0.3	0.05	0.05	0.09	0.8	0.2	0.3	0.2
171-G1	Garden	0.2	0.03	0.5	0.4	0.1	0.7	--	0.8	0.1	0.02	0.003	0.04	0.04	0.01	0.07	--	0.08	0.01	0.2	0.9	0.5	0.4	0.3	2	0.5	1	0.3	0.02	0.3	0.04	0.04	0.09	0.9	0.2	0.3	0.2
171-H1	House	0.1	0.03	0.3	0.4	0.08	0.4	--	0.6	0.08	0.01	0.002	0.03	0.03	0.007	0.04	--	0.06	0.008	0.1	0.9	0.3	0.4	0.3	2	0.5	1	0.3	0.01	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
172U	Other -Not Specified	0.2	0.02	0.2	0.5	0.08	0.2	--	0.6	0.1	0.02	0.002	0.02	0.05	0.007	0.02	--	0.06	0.01	0.2	0.9	0.2	0.5	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.05	0.09	0.8	0.2	0.3	0.2
173-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.009	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
173-G2	Garden	0.05	0.02	0.2	0.3	0.009	0.2	--	0.2	0.006	0.006	0.002	0.02	0.03	0.0008	0.02	--	0.02	0.0006	0.05	0.9	0.2	0.3	0.2	2	0.5	0.8	0.2	0.006	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
173-G3	Garden	0.1	0.03	0.2	0.4	0.04	0.4	--	0.4	0.03	0.02	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.1	0.9	0.2	0.4	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
173-G4	Garden	0.1	0.03	0.2	0.3	0.05	0.4	--	0.4	0.04	0.02	0.003	0.02	0.03	0.005	0.04	--	0.04	0.004	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
173-G5	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.01	0.002	0.03	0.03	0.002	0.03	--	0.03	0.001	0.09	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.2	0.2
173-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.03	--	0.04	0.005	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
173-P1	Play Area	0.1	0.02	0.2	0.3	0.07	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.007	0.03	--	0.05	0.006	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.01	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
174-A1	Agriculture	0.1	0.03	0.3	0.3	0.04	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
174-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.8	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.004	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.9	0.2	0.3	0.2
174-H1	House	0.2	0.03	0.3	0.3	0.09	0.7	--	0.5	0.06	0.02	0.003	0.03	0.03	0.009	0.06	--	0.05	0.006	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
174M	House	0.05	0.01	0.2	0.2	0.008	0.2	--	0.2	0.01	0.006	0.001	0.02	0.02	0.0007	0.02	--	0.02	0.001	0.05	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.006	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
175-G1	Garden	0.08	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.009	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.08	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
175-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.001	0.01	0.02	0.002	0.02	--	0.02	0.001	0.04	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.005	0.3	0.01	0.02	0.08	0.8	0.2	0.2	0.2
175-H1	House	0.06	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.007	0.001	0.01	0.02	0.004	0.02	--	0.03	0.003	0.06	0.9	0.2	0.2	0.3	2	0.5	0.9	0.2	0.007	0.3	0.01	0.02	0.08	0.8	0.2	0.2	0.2
176-A1	Agriculture	0.08	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.08	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
176G	Garden	0.2	0.02	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.005	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
176-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
176-H2	House	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.002	0.03	--	0.04	0.002	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
176M	House	0.2	0.01	0.2	0.2	0.07	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.007	0.04	--	0.06	0.008	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2

Table 5-20. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																	**Total HI Across Pathways**																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	**By Target Organ System**																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																			
176-P1	Play Area	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
178-H1	House	0.07	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.002	0.04	--	0.03	0.001	0.07	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.03	0.03	0.08	0.8	0.2	0.2	0.2
179-H1	House	0.1	0.02	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.05	--	0.04	0.003	0.1	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
180-H1	House	0.3	0.02	0.2	0.3	0.2	0.3	--	0.9	0.06	0.03	0.001	0.02	0.03	0.01	0.03	--	0.09	0.006	0.3	0.9	0.2	0.3	0.4	2	0.5	2	0.3	0.03	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
180-H2[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	0.9	0.2	0.3	0.2	2	0.5	0.7	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
180-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.3	0.3	--	1	0.09	0.02	0.001	0.02	0.03	0.02	0.03	--	0.1	0.009	0.2	0.9	0.2	0.3	0.5	2	0.5	2	0.3	0.02	0.3	0.02	0.03	0.1	0.8	0.2	0.3	0.2
181-A1	Agriculture	0.2	0.02	0.3	0.3	0.05	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
181-G1	Garden	0.2	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.02	0.002	0.02	0.03	0.003	0.04	--	0.04	0.001	0.2	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
181-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
181-H1	House	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.06	0.005	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
181-H2	House	0.3	0.02	0.3	0.3	0.06	0.7	--	0.7	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.004	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.09	0.9	0.2	0.3	0.2
181-N1	Animal Activity Area	0.3	0.02	0.3	0.3	0.06	0.8	--	0.7	0.05	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.005	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.09	0.9	0.2	0.3	0.2
181-N2	Animal Activity Area	0.2	0.02	0.3	0.3	0.07	0.7	--	0.6	0.05	0.03	0.002	0.03	0.03	0.007	0.07	--	0.06	0.005	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
181-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
182-G1	Garden	0.2	0.04	0.4	0.3	0.08	0.7	--	0.6	0.09	0.02	0.003	0.04	0.03	0.007	0.06	--	0.06	0.009	0.2	0.9	0.4	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.04	0.03	0.09	0.8	0.2	0.3	0.2
182-G2	Garden	0.3	0.04	0.4	0.4	0.09	0.9	--	0.8	0.09	0.03	0.003	0.04	0.03	0.008	0.08	--	0.08	0.009	0.3	0.9	0.4	0.4	0.3	2	0.5	1	0.3	0.03	0.3	0.04	0.03	0.09	0.9	0.2	0.3	0.2
182-H1	House	0.1	0.03	0.4	0.3	0.06	0.6	--	0.6	0.06	0.01	0.003	0.04	0.03	0.005	0.06	--	0.06	0.006	0.1	0.9	0.4	0.3	0.3	2	0.5	1	0.3	0.01	0.3	0.04	0.03	0.09	0.8	0.2	0.3	0.2
182-H2	House	0.1	0.03	0.4	0.4	0.05	0.6	--	0.5	0.06	0.01	0.003	0.04	0.04	0.005	0.05	--	0.05	0.006	0.1	0.9	0.4	0.4	0.3	2	0.5	1	0.2	0.01	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
182-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.04	0.5	--	0.5	0.05	0.01	0.003	0.04	0.04	0.004	0.05	--	0.05	0.005	0.1	0.9	0.4	0.4	0.3	2	0.5	1	0.2	0.01	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
182-O2	Other -Not Specified	0.3	0.03	0.4	0.4	0.08	0.9	--	0.7	0.09	0.03	0.003	0.04	0.03	0.007	0.08	--	0.08	0.009	0.3	0.9	0.4	0.4	0.3	2	0.5	1	0.3	0.03	0.3	0.04	0.03	0.09	0.9	0.2	0.3	0.2
182-O3	Other -Not Specified	0.1	0.03	0.3	0.3	0.07	0.6	--	0.6	0.09	0.02	0.003	0.03	0.03	0.006	0.05	--	0.06	0.009	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
184-H1	House	0.2	0.01	0.2	0.2	0.08	0.3	--	0.6	0.06	0.02	0.001	0.02	0.02	0.007	0.03	--	0.06	0.006	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
185-A1	Agriculture	0.1	0.03	0.3	0.3	0.05	0.3	--	0.5	0.03	0.01	0.003	0.02	0.03	0.004	0.03	--	0.05	0.003	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
185G	Garden	0.2	0.03	0.5	0.4	0.02	0.5	--	0.6	0.01	0.02	0.002	0.05	0.04	0.002	0.05	--	0.06	0.001	0.2	0.9	0.5	0.4	0.2	2	0.5	1	0.2	0.02	0.3	0.05	0.04	0.08	0.8	0.2	0.3	0.2
185-H1	House	0.09	0.03	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.05	0.003	0.09	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
186-O1	Other -Not Specified	0.2	0.02	0.2	0.5	0.1	0.3	--	0.6	0.1	0.02	0.001	0.02	0.05	0.01	0.02	--	0.06	0.01	0.2	0.9	0.2	0.5	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.05	0.09	0.8	0.2	0.3	0.2
187-H1	House	0.07	0.01	0.2	0.3	0.06	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005	0.07	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
188-A1	Agriculture	0.09	0.03	0.3	0.3	0.04	0.6	--	0.4	0.04	0.01	0.003	0.03	0.03	0.004	0.06	--	0.04	0.004	0.09	0.9	0.3	0.3	0.3	2	0.5	0.9	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
188-G1	Garden	0.1	0.03	0.3	0.3	0.06	0.6	--	0.4	0.05	0.01	0.003	0.03	0.03	0.006	0.05	--	0.04	0.005	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
188-G2	Garden	0.1	0.04	0.4	0.3	0.07	0.7	--	0.5	0.06	0.02	0.004	0.03	0.03	0.007	0.06	--	0.05	0.006	0.1	0.9	0.4	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
188-G3	Garden	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.003	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
188-H1	House	0.06	0.04	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.004	0.03	0.03	0.002	0.04	--	0.03	0.002	0.06	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.007	0.3	0.03	0.03	0.08	0.8	0.2	0.2	0.2
188-P1	Play Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.002	0.02	0.02	0.003	0.04	--	0.03	0.003	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
189-G1	Garden	0.06	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.001	0.06	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
189-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.03	--	0.04	0.003	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
189-H2	House	0.09	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	0.09	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
189-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
190-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.007	0.005	0.001	0.02	0.03	0.001	0.03	--	0.03	0.0008	0.04	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.005	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
190-H1	House	0.04	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.005	0.001	0.02	0.02	0.002	0.03	--	0.02	0.002	0.04	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
190-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.001	0.03	--	0.03	0.001	0.05	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.006	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
190-N2	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.03	--	0.02	0.001	0.04	0.9	0.2	0.3	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
190-N3	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.009	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.0009	0.04	0.9	0.2	0.3	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
190-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.07	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.009	0.3	0.03	0.03	0.08	0.8	0.2	0.2	0.2
191-H1	House	0.1	0.02	0.3	0.3	0.09	0.4	--	0.5	0.06	0.02	0.002	0.03	0.03	0.008	0.04	--	0.05	0.006	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
192-A1	Agriculture	0.1	0.03	0.3	0.3	0.07	0.3	--	0.5	0.03	0.01	0.003	0.03	0.03	0.006	0.03	--	0.05	0.003	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
192-G1	Garden	0.1	0.04	0.3	0.4	0.08	0.3	--	0.6	0.03	0.02	0.004	0.03	0.03	0.007	0.03	--	0.06	0.003	0.1	0.9	0.3	0.4	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
192-H1	House	0.1	0.03	0.2	0.3	0.06	0.3	--	0.5	0.02	0.01	0.003	0.02	0.03	0.005	0.02	--	0.05	0.002	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
193-G1	Garden	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.008	0.005	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.04	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
193-H1	House	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.0009	0.04	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
194-H1	House	0.03	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.03	0.9	0.2	0.2	0.2	2	0.5	0.8	0.2	0.004	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
194-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.05	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.006	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
195-G1	Garden	0.1	0.01	0.2	0.2	0.05	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.003	0.1	0.9	0.2	0.2	0.3	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
195-G2	Garden	0.1	0.01	0.2	0.3	0.09	0.5	--	0.5	0.07	0.02	0.001	0.02	0.03	0.009	0.05	--	0.05	0.007	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
195-O1	Other -Not Specified	0.1	0.01	0.1	0.2	0.1	0.4	--	0.4	0.06	0.01	0.0009	0.01	0.02	0.009	0.04	--	0.04	0.007	0.1	0.9	0.1	0.2	0.3	2	0.5	1	0.3	0.01	0.3	0.01	0.02	0.09	0.8	0.2	0.3	0.2
196-A1	Agriculture	0.06	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.007	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002	0.06	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.007	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
196-A2	Agriculture	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.04	0.008	0.002	0.02	0.02	0.003	0.04	--	0.04	0.004	0.07	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
196-G1	Garden	0.07	0.01	0.2	0.3	0.04	0.4	--	0.5	0.02	0.008	0.001	0.02	0.02	0.003	0.04	--	0.05	0.002	0.07	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
196-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.07	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
197-H1	House	0.1	0.03	0.3	0.4	0.05	0.3	--	0.5	0.04	0.01	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	0.1	0.9	0.3	0.4	0.3	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
198-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.6	--	0.4	0.03	0.01	0.002	0.02	0.02	0.004	0.06	--	0.04	0.003	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
198-H1	House	0.1	0.03	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.06	--	0.06	0.005	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
199-G1	Garden	0.04	0.02	0.3	0.4	0.01	0.3	--	0.3	0.006	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.0006	0.04	0.9	0.3	0.4	0.2	2	0.5	0.9	0.2	0.005	0.3	0.03	0.04	0.08	0.8	0.2	0.2	0.2
199-O1	Other -Not Specified	0.04	0.02	0.3	0.4	0.02	0.3	--	0.3	0.01	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.001	0.04	0.9	0.3	0.4	0.2	2	0.5	0.9	0.2	0.005	0.3	0.03	0.04	0.08	0.8	0.2	0.2	0.2
200-G1	Garden	0.1	0.02	0.4	0.4	0.02	0.7	--	0.5	0.02	0.02	0.002	0.04	0.04	0.002	0.07	--	0.05	0.002	0.1	0.9	0.4	0.4	0.2	2	0.5	1	0.2	0.02	0.3	0.04	0.04	0.08	0.9	0.2	0.3	0.2
200-H1	House	0.1	0.02	0.4	0.4	0.02	0.6	--	0.4	0.01	0.01	0.002	0.04	0.03	0.002	0.06	--	0.04	0.001	0.1	0.9	0.4	0.4	0.2	2	0.5	1	0.2	0.01	0.3	0.04	0.03	0.08	0.8	0.2	0.3	0.2
200-O1	Other -Not Specified	0.2	0.03	0.5	0.5	0.02	0.6	--	0.5	0.01	0.02	0.003	0.05	0.05	0.002	0.06	--	0.05	0.001	0.2	0.9	0.5	0.5	0.2	2	0.5	1	0.2	0.02	0.3	0.05	0.05	0.08	0.8	0.2	0.3	0.2

Table 5-20. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																		Total HI Across Pathways												
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		By Target Organ System												
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
201G[c]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	0.9	0.4	0.3	0.2	2	0.5	0.8	0.2	0.009	0.3	0.04	0.02	0.08	0.8	0.2	0.2	0.2
201-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.1	0.4	--	0.7	0.08	0.03	0.002	0.03	0.04	0.01	0.04	--	0.07	0.008	0.3	0.9	0.3	0.4	0.4	2	0.5	1	0.3	0.03	0.3	0.03	0.04	0.09	0.8	0.2	0.3	0.2
202-H1	House	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004	0.1	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
202-N1	Animal Activity Area	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002	0.07	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
202-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.02	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.002	0.02	--	0.04	0.004	0.1	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
203-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	0.9	0.2	0.3	0.2	2	0.5	0.7	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
203-O1[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	0.9	0.2	0.3	0.2	2	0.5	0.7	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
203-O2	Other -Not Specified	0.5	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.06	0.001	0.02	0.03	0.02	0.06	--	0.1	0.01	0.5	0.9	0.2	0.3	0.5	2	0.5	2	0.3	0.06	0.3	0.02	0.03	0.1	0.8	0.2	0.3	0.2
203-O3[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	0.9	0.2	0.3	0.2	2	0.5	0.7	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
203-O4[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.04	0.9	0.2	0.3	0.2	2	0.5	0.7	0.2	0.005	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
205-O1	Other -Not Specified	0.4	0.02	0.2	0.3	0.1	0.2	--	1	0.09	0.04	0.002	0.02	0.03	0.01	0.02	--	0.1	0.009	0.4	0.9	0.2	0.3	0.3	2	0.5	2	0.3	0.04	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
206-A1	Agriculture	0.1	0.06	0.4	0.3	0.05	0.5	--	0.5	0.05	0.02	0.005	0.04	0.03	0.005	0.04	--	0.05	0.005	0.1	0.9	0.4	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.04	0.03	0.08	0.8	0.2	0.3	0.2
206-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.03	0.08	0.8	0.2	0.2	0.2
206-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.04	0.9	0.2	0.3	0.2	2	0.5	0.8	0.2	0.004	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
206-H2	House	0.1	0.1	0.7	0.4	0.09	0.6	--	0.7	0.1	0.02	0.01	0.06	0.03	0.008	0.05	--	0.07	0.01	0.1	1	0.7	0.4	0.3	2	0.5	1	0.3	0.02	0.3	0.06	0.03	0.09	0.8	0.2	0.3	0.2
206-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.1	0.6	--	0.9	0.06	0.03	0.003	0.04	0.04	0.01	0.05	--	0.09	0.006	0.2	0.9	0.4	0.4	0.3	2	0.5	1	0.2	0.03	0.3	0.04	0.04	0.09	0.8	0.2	0.3	0.2
207-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.08	0.9	0.2	0.2	0.3	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
208AA	Animal Activity Area	0.2	0.02	0.2	0.2	0.05	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.005	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
208BM	House	0.2	0.02	0.4	0.3	0.03	0.5	--	0.6	0.03	0.02	0.002	0.04	0.03	0.003	0.04	--	0.06	0.003	0.2	0.9	0.4	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.04	0.03	0.08	0.8	0.2	0.3	0.2
208G	Garden	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.06	0.003	0.2	0.9	0.5	0.4	0.2	2	0.5	1	0.2	0.02	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
208-H1	House	0.3	0.01	0.2	0.3	0.1	0.6	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.06	--	0.08	0.007	0.3	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
209A	Agriculture	0.2	0.02	0.4	0.3	0.05	0.4	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.04	--	0.05	0.005	0.2	0.9	0.4	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
209-G1	Garden	0.2	0.01	0.2	0.3	0.08	0.6	--	0.7	0.09	0.03	0.001	0.02	0.02	0.008	0.05	--	0.07	0.009	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
209-H1	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.06	--	0.09	0.01	0.3	0.9	0.3	0.3	0.3	2	0.5	2	0.3	0.04	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
209-P1	Play Area	0.4	0.02	0.3	0.3	0.1	0.7	--	1	0.2	0.05	0.002	0.03	0.03	0.01	0.06	--	0.1	0.02	0.4	0.9	0.3	0.3	0.4	2	0.5	2	0.3	0.05	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
210-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.003	0.03	--	0.04	0.003	0.1	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
210-O1	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.01	0.02	0.004	0.03	--	0.04	0.004	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.01	0.02	0.08	0.8	0.2	0.3	0.2
211-A1	Garden	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.1	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
211-G1	Garden	0.1	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
211-G2	Garden	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
211-H1	House	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.002	0.04	--	0.04	0.003	0.08	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
211-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.004	0.03	--	0.05	0.005	0.1	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
212-H1	House	0.1	0.02	0.3	0.5	0.1	0.3	--	0.6	0.08	0.01	0.002	0.02	0.05	0.01	0.03	--	0.06	0.008	0.1	0.9	0.3	0.5	0.3	2	0.5	1	0.3	0.01	0.3	0.02	0.05	0.09	0.8	0.2	0.3	0.2
212-H2	House	0.1	0.01	0.2	0.4	0.05	0.2	--	0.4	0.05	0.02	0.001	0.02	0.03	0.005	0.02	--	0.04	0.005	0.1	0.9	0.2	0.4	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
213-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.02	0.6	--	0.5	0.01	0.02	0.003	0.04	0.03	0.002	0.06	--	0.04	0.001	0.2	0.9	0.4	0.4	0.2	2	0.5	1	0.2	0.02	0.3	0.04	0.03	0.08	0.8	0.2	0.3	0.2
213-O2	Other -Not Specified	0.2	0.03	0.4	0.3	0.04	0.6	--	0.7	0.02	0.02	0.002	0.04	0.03	0.004	0.05	--	0.07	0.002	0.2	0.9	0.4	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.04	0.03	0.08	0.8	0.2	0.3	0.2
213-O3	Other -Not Specified	0.1	0.02	0.4	0.4	0.03	0.3	--	0.5	0.02	0.02	0.002	0.03	0.04	0.003	0.03	--	0.05	0.002	0.1	0.9	0.4	0.4	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.04	0.08	0.8	0.2	0.3	0.2
21G	Garden	0.3	0.02	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	0.002	0.02	0.02	0.01	0.05	--	0.08	0.009	0.3	0.9	0.2	0.3	0.4	2	0.5	1	0.3	0.03	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
226C	House	0.3	0.01	0.2	0.2	0.1	0.3	--	0.9	0.06	0.03	0.001	0.02	0.02	0.01	0.03	--	0.09	0.006	0.3	0.9	0.2	0.2	0.4	2	0.5	1	0.2	0.03	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
230G	Garden	0.1	0.02	0.2	0.3	0.03	0.2	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.02	--	0.04	0.002	0.1	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
231Lower	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.03	--	0.05	0.004	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
238G	Garden	0.08	0.02	0.2	0.2	0.01	0.3	--	0.3	0.01	0.009	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.08	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
238M	Other -Not Specified	0.07	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.008	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.07	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.008	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
280yard	House	0.2	0.02	0.3	0.3	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
284M	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
285M	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.4	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.04	--	0.05	0.004	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
288G1	Garden	0.1	0.02	0.3	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
288G2	Garden	0.08	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.002	0.08	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.008	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
289G3	Garden	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002	0.08	0.9	0.2	0.2	0.2	2	0.5	0.9	0.2	0.009	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
317M	Play Area	0.6	0.02	0.4	0.3	0.1	0.4	--	1	0.2	0.06	0.002	0.03	0.03	0.01	0.04	--	0.1	0.02	0.6	0.9	0.4	0.3	0.3	2	0.5	2	0.4	0.06	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
319M[c]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	0.9	0.4	0.3	0.2	2	0.5	0.8	0.2	0.009	0.3	0.04	0.02	0.08	0.8	0.2	0.2	0.2
320new	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.4	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.09	0.01	0.4	0.9	0.4	0.3	0.3	2	0.5	1	0.3	0.04	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
35PA[c]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.08	0.9	0.4	0.3	0.2	2	0.5	0.8	0.2	0.009	0.3	0.04	0.02	0.08	0.8	0.2	0.2	0.2
59A	House	0.3	0.01	0.2	0.2	0.1	0.4	--	0.7	0.1	0.04	0.001	0.02	0.02	0.01	0.04	--	0.07	0.01	0.3	0.9	0.2	0.2	0.3	2	0.5	1	0.3	0.04	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
62G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.002	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
72M	Agriculture	0.3	0.03	0.3	0.3	0.09	0.5	--	0.6	0.07	0.03	0.002	0.03	0.03	0.008	0.04	--	0.06	0.007	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
72U	Other -Not Specified	0.2	0.04	0.4	0.4	0.04	0.5	--	0.6	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.06	0.003	0.2	0.9	0.4	0.4	0.3	2	0.5	1	0.2	0.02	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
94M	Agriculture	0.1	0.02	0.3	0.3	0.03	0.3	--	0.5	0.02	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.002	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
999G1	Garden	0.2	0.03	0.3	0.3	0.03	0.5	--	0.4	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.2	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
999M1	House	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.05	--	0.04	0.003	0.1	0.9	0.4	0.4	0.2	2	0.5	1	0.2	0.01	0.3	0.04	0.03	0.08	0.8	0.2	0.3	0.2
999M2	Garden	0.1	0.03	0.5	0.4	0.02	0.5	--	0.4	0.01	0.01	0.003	0.04	0.04	0.002	0.05	--	0.04	0.001	0.1	0.9	0.5	0.4	0.2	2	0.5	1	0.2	0.01	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
999M3	Other -Not Specified	0.2	0.05	0.7	0.6	0.06	1	--	0.8	0.06	0.02	0.004	0.06	0.06	0.006	0.09	--	0.08	0.006	0.2	0.9	0.7	0.6	0.3	2	0.5	1	0.2	0.02	0.3	0.06	0.06	0.09	0.9	0.2	0.3	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-21. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
Indoor Air		--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																		
Outdoor Air		--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02		**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Sucker)		0.04	3	0.03	0.1	0.08	3	2	1	--	0.02	1	0.01	0.04	0.03	1	0.7	0.5	--																		
Residential Soil/Dust[a]		**Number of DUs that exeed benchmark[c] for Soil/Dust:**									**Number of DUs that exeed benchmark[c] for Soil/Dust:**																													
DU	DU Type	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	588	0	0	0	588	588	578	0	0	0	0	0	0	0	588	0	0	0
7[b]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.02	1	0.05	0.07	0.03	2	0.7	0.5	0.2
9	Agriculture	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
13	Other -Not Specified	0.2	0.02	0.3	0.3	0.03	0.6	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.03	2	0.7	0.5	0.2
14	Garden	0.2	0.02	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
15	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.02	0.002	0.03	0.02	0.004	0.04	--	0.05	0.003	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
16	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.05	--	0.09	0.01	0.4	3	0.4	0.4	0.2	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
17	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.005	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
18[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.02	1	0.05	0.07	0.03	2	0.7	0.5	0.2
20[b]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.02	1	0.05	0.07	0.03	2	0.7	0.5	0.2
21	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.02	0.02	0.002	0.03	0.02	0.004	0.04	--	0.04	0.002	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
22	House	0.3	0.02	0.3	0.3	0.05	0.4	--	0.6	0.04	0.03	0.001	0.02	0.02	0.004	0.04	--	0.06	0.004	0.3	3	0.3	0.4	0.1	4	2	2	0.2	0.05	1	0.03	0.07	0.03	2	0.7	0.6	0.2
25	House	0.1	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
27	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.2	3	0.4	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
28	Garden	0.07	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.1	3	0.3	0.4	0.09	4	2	2	0.2	0.02	1	0.04	0.07	0.03	2	0.7	0.5	0.2
29	Other -Not Specified	0.09	0.02	0.3	0.3	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
30	Other -Not Specified	0.2	0.02	0.4	0.3	0.02	0.5	--	0.4	0.01	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.001	0.2	3	0.4	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
31	Other -Not Specified	0.2	0.02	0.4	0.3	0.07	0.8	--	0.7	0.07	0.02	0.002	0.03	0.03	0.007	0.07	--	0.07	0.007	0.3	3	0.4	0.5	0.2	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
33	House	0.2	0.02	0.2	0.2	0.1	0.5	--	0.6	0.05	0.02	0.002	0.02	0.02	0.009	0.04	--	0.06	0.005	0.2	3	0.3	0.4	0.2	4	2	2	0.2	0.04	1	0.03	0.06	0.04	2	0.7	0.6	0.2
35[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.02	1	0.05	0.07	0.03	2	0.7	0.5	0.2
39[b]	Agriculture	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.02	1	0.05	0.07	0.03	2	0.7	0.5	0.2
40[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.02	1	0.05	0.07	0.03	2	0.7	0.5	0.2
42	House	0.09	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.04	0.004	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.04	2	0.7	0.5	0.2
44	Agriculture	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
46	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.04	2	0.7	0.5	0.2
47	Agriculture	0.1	0.01	0.2	0.3	0.07	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.007	0.04	--	0.05	0.005	0.2	3	0.3	0.4	0.2	4	2	2	0.2	0.03	1	0.03	0.07	0.04	2	0.7	0.5	0.2
49[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.02	1	0.05	0.07	0.03	2	0.7	0.5	0.2
55	House	0.09	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
56	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.006	0.2	3	0.4	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.04	2	0.7	0.5	0.2
58	Agriculture	0.09	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
59	House	0.2	0.01	0.1	0.2	0.09	0.3	--	0.5	0.07	0.02	0.0009	0.01	0.02	0.009	0.03	--	0.05	0.007	0.2	3	0.2	0.3	0.2	4	2	2	0.3	0.03	1	0.02	0.06	0.04	2	0.7	0.5	0.2
60	Garden	0.1	0.02	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
61	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.004	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
62	House	0.1	0.02	0.3	0.3	0.03	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
66	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.5	--	0.6	0.04	0.02	0.001	0.02	0.03	0.007	0.04	--	0.06	0.004	0.2	3	0.3	0.4	0.2	4	2	2	0.2	0.04	1	0.03	0.07	0.04	2	0.7	0.6	0.2
67	Garden	0.2	0.02	0.3	0.3	0.09	0.5	--	0.6	0.05	0.03	0.002	0.02	0.03	0.008	0.05	--	0.06	0.005	0.3	3	0.3	0.4	0.2	4	2	2	0.2	0.04	1	0.03	0.07	0.04	2	0.7	0.6	0.2
70	House	0.2	0.03	0.3	0.3	0.08	0.4	--	0.6	0.06	0.02	0.003	0.03	0.03	0.008	0.04	--	0.06	0.006	0.3	3	0.3	0.4	0.2	4	2	2	0.2	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
71	Garden	0.2	0.03	0.3	0.3	0.06	0.4	--	0.5	0.04	0.03	0.003	0.03	0.03	0.005	0.04	--	0.05	0.004	0.3	3	0.4	0.4	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.04	2	0.7	0.5	0.2
72	Garden	0.2	0.04	0.4	0.4	0.08	0.4	--	0.7	0.08	0.03	0.004	0.04	0.04	0.008	0.03	--	0.07	0.008	0.3	3	0.5	0.5	0.2	4	2	2	0.3	0.04	1	0.05	0.08	0.04	2	0.7	0.6	0.2
75	House	0.3	0.02	0.3	0.3	0.2	0.7	--	0.9	0.1	0.03	0.001	0.03	0.03	0.02	0.06	--	0.09	0.01	0.3	3	0.3	0.4	0.3	4	2	2	0.3	0.05	1	0.04	0.07	0.05	2	0.7	0.6	0.2
82	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.2	3	0.4	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
85	House	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	3	0.3	0.3	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
86	Agriculture	0.1	0.02	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.003	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
87	Agriculture	0.09	0.02	0.2	0.2	0.03	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
106	House	0.4	0.02	0.2	0.3	0.1	0.6	--	0.8	0.07	0.04	0.001	0.02	0.02	0.01	0.05	--	0.08	0.007	0.4	3	0.2	0.4	0.2	4	2	2	0.3	0.06	1	0.03	0.06	0.04	2	0.7	0.6	0.2
107	Garden	0.3	0.02	0.3	0.3	0.09	0.6	--	0.6	0.05	0.03	0.002	0.03	0.03	0.008	0.06	--	0.06	0.005	0.3	3	0.3	0.4	0.2	4	2	2	0.2	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
108	Garden	0.3	0.03	0.3	0.3	0.07	0.5	--	0.6	0.05	0.04	0.003	0.02	0.03	0.007	0.04	--	0.06	0.005	0.4	3	0.3	0.4	0.2	4	2	2	0.2	0.05	1	0.03	0.07	0.04	2	0.7	0.6	0.2
109[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.02	1	0.05	0.07	0.03	2	0.7	0.5	0.2
110	House	0.1	0.01	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
111	Other -Not Specified	0.1	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
112	House	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.06	0.002	0.03	0.02	0.01	0.05	--	0.1	0.01	0.6	3	0.3	0.4	0.2	4	2	2	0.3	0.07	1	0.04	0.06	0.04	2	0.7	0.6	0.2
121	House	0.2	0.03	0.5	0.4	0.04	0.8	--	0.7	0.06	0.02	0.003	0.05	0.04	0.004	0.08	--	0.07	0.006	0.2	3	0.6	0.5	0.1	4	2	2	0.3	0.04	1	0.06	0.08	0.03	2	0.7	0.6	0.2
122	Other -Not Specified	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.03	0.003	0.04	0.04	0.003	0.06	--	0.06	0.003	0.3	3	0.5	0.5	0.1	4	2	2	0.2	0.04	1	0.05	0.08	0.03	2	0.7	0.6	0.2
123	House	0.3	0.02	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	0.002	0.03	0.02	0.01	0.05	--	0.08	0.01	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.04	0.06	0.04	2	0.7	0.6	0.2
135	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.004	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
146	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.002	0.05	--	0.05	0.003	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
147	Garden	0.09	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.001	0.03	--	0.03	0.001	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
151[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.02	1	0.05	0.07	0.03	2	0.7	0.5	0.2
152	Other -Not Specified	0.2	0.02	0.4	0.3	0.05	0.4	--	0.6	0.07	0.02	0.002	0.03	0.03	0.004	0.04	--	0.06	0.007	0.2	3	0.4	0.4	0.1	4	2	2	0.3	0.03	1	0.04	0.07	0.03	2	0.7	0.6	0.2
154	House	0.06	0.01	0.1	0.2	0.02	0.2	--	0.2	0.02	0.007	0.001	0.01	0.02	0.002	0.02	--	0.02	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.02	0.06	0.03	2	0.7	0.5	0.2
160	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.05	0.02	0.002	0.03	0.02	0.004	0.05	--	0.05	0.005	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.04	0.06	0.03	2	0.7	0.5	0.2
163	House	0.2	0.02	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.04	--	0.05	0.004	0.3	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.03	0.06	0.03	2	0.7	0.5	0.2

Table 5-21. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
164	Agriculture	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.03	2	0.7	0.5	0.2
167	Agriculture	0.1	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
168	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.009	0.3	3	0.4	0.4	0.2	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
169	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.6	--	0.7	0.07	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.007	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
170[b]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	3	0.2	0.4	0.09	4	2	1	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
175	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.02	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.04	1	0.03	0.06	0.03	2	0.7	0.5	0.2
177	Agriculture	0.3	0.01	0.2	0.2	0.05	0.3	--	0.6	0.05	0.03	0.001	0.02	0.02	0.004	0.03	--	0.06	0.005	0.3	3	0.2	0.3	0.1	4	2	2	0.2	0.04	1	0.03	0.06	0.03	2	0.7	0.6	0.2
185	House	0.3	0.02	0.4	0.3	0.06	0.4	--	0.7	0.05	0.03	0.002	0.04	0.03	0.006	0.04	--	0.07	0.005	0.3	3	0.4	0.5	0.1	4	2	2	0.2	0.04	1	0.05	0.07	0.04	2	0.7	0.6	0.2
186	House	0.2	0.02	0.3	0.2	0.06	0.3	--	0.6	0.06	0.02	0.002	0.02	0.02	0.005	0.03	--	0.06	0.006	0.2	3	0.3	0.3	0.1	4	2	2	0.3	0.04	1	0.03	0.06	0.04	2	0.7	0.6	0.2
189	House	0.2	0.02	0.3	0.3	0.05	0.5	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.05	--	0.06	0.004	0.3	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.03	2	0.7	0.6	0.2
192	House	0.2	0.03	0.4	0.3	0.06	0.4	--	0.7	0.06	0.02	0.003	0.04	0.03	0.006	0.04	--	0.07	0.006	0.2	3	0.4	0.4	0.1	4	2	2	0.2	0.04	1	0.05	0.07	0.04	2	0.7	0.6	0.2
193	House	0.2	0.01	0.2	0.3	0.08	0.3	--	0.6	0.04	0.02	0.001	0.02	0.03	0.008	0.03	--	0.06	0.004	0.2	3	0.3	0.4	0.2	4	2	2	0.2	0.04	1	0.03	0.07	0.04	2	0.7	0.6	0.2
194[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.02	1	0.05	0.07	0.03	2	0.7	0.5	0.2
196[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.02	1	0.05	0.07	0.03	2	0.7	0.5	0.2
201	House	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
203[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.02	1	0.05	0.07	0.03	2	0.7	0.5	0.2
206	House	0.1	0.02	0.3	0.2	0.05	0.3	--	0.5	0.04	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
208	Other -Not Specified	0.2	0.02	0.4	0.3	0.1	0.4	--	0.6	0.05	0.02	0.002	0.03	0.03	0.01	0.04	--	0.06	0.005	0.3	3	0.4	0.4	0.2	4	2	2	0.2	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
213	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.4	--	0.8	0.09	0.04	0.002	0.02	0.02	0.01	0.04	--	0.08	0.009	0.4	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.03	0.06	0.04	2	0.7	0.6	0.2
216	House	0.3	0.01	0.2	0.3	0.1	0.4	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.04	--	0.07	0.007	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.04	1	0.03	0.06	0.04	2	0.7	0.6	0.2
218[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.02	1	0.05	0.07	0.03	2	0.7	0.5	0.2
229	Play Area	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
231	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.004	0.3	3	0.2	0.4	0.1	4	2	2	0.2	0.04	1	0.03	0.06	0.03	2	0.7	0.5	0.2
246	Play Area	0.05	0.02	0.2	0.2	0.01	0.2	--	0.2	0.01	0.006	0.002	0.02	0.02	0.001	0.02	--	0.02	0.001	0.09	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
249	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
250	House	0.2	0.01	0.2	0.2	0.05	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.005	0.03	--	0.04	0.003	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
253	House	0.1	0.01	0.2	0.2	0.03	0.2	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
280	Other -Not Specified	0.3	0.02	0.4	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.009	0.05	--	0.07	0.009	0.3	3	0.4	0.4	0.2	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
287	Agriculture	0.1	0.02	0.3	0.3	0.09	0.6	--	0.6	0.06	0.02	0.001	0.03	0.03	0.008	0.06	--	0.06	0.006	0.2	3	0.3	0.4	0.2	4	2	2	0.3	0.03	1	0.04	0.07	0.04	2	0.7	0.6	0.2
288	House	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002	0.1	3	0.3	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
291	Agriculture	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
306	Other -Not Specified	0.1	0.01	0.2	0.2	0.02	0.2	--	0.4	0.02	0.01	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
315	House	0.1	0.02	0.3	0.3	0.01	0.3	--	0.4	0.01	0.01	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.1	3	0.3	0.4	0.09	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
316	Other -Not Specified	0.1	0.02	0.3	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
317	House	0.3	0.03	0.4	0.3	0.06	0.4	--	0.8	0.07	0.03	0.002	0.03	0.03	0.006	0.03	--	0.08	0.007	0.3	3	0.4	0.4	0.1	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
318	Other -Not Specified	0.4	0.02	0.3	0.3	0.1	0.4	--	1	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.1	0.01	0.4	3	0.4	0.4	0.2	4	2	2	0.3	0.06	1	0.04	0.07	0.04	2	0.7	0.6	0.2
319	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.5	--	1	0.2	0.04	0.002	0.03	0.03	0.01	0.05	--	0.1	0.02	0.4	3	0.4	0.4	0.2	4	2	2	0.4	0.06	1	0.04	0.07	0.04	2	0.7	0.6	0.2
325	Garden	0.1	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
326	Other -Not Specified	0.08	0.02	0.2	0.2	0.02	0.2	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
327	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
345	Play Area	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.003	0.2	3	0.4	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
346	Garden	0.2	0.02	0.3	0.3	0.07	0.5	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	0.2	3	0.4	0.4	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
347	Other -Not Specified	0.2	0.01	0.3	0.2	0.09	0.4	--	0.7	0.09	0.02	0.001	0.02	0.02	0.009	0.04	--	0.07	0.009	0.2	3	0.3	0.3	0.2	4	2	2	0.3	0.04	1	0.03	0.06	0.04	2	0.7	0.6	0.2
801	Other -Not Specified	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.06	0.03	0.001	0.01	0.03	0.009	0.02	--	0.07	0.006	0.3	3	0.2	0.4	0.2	4	2	2	0.2	0.04	1	0.02	0.07	0.04	2	0.7	0.6	0.2
1001	Other -Not Specified	0.3	0.01	0.2	0.4	0.1	0.2	--	0.8	0.1	0.03	0.001	0.02	0.03	0.01	0.02	--	0.08	0.01	0.3	3	0.2	0.5	0.2	4	2	2	0.3	0.05	1	0.03	0.07	0.04	2	0.7	0.6	0.2
1005	Garden	0.2	0.02	0.3	0.3	0.05	0.3	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
1006	House	0.1	0.03	0.3	0.3	0.03	0.3	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.03	--	0.04	0.003	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
1007	Garden	0.08	0.03	0.3	0.3	0.02	0.3	--	0.4	0.02	0.009	0.003	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
1008	Agriculture	0.09	0.03	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.003	0.02	0.02	0.004	0.03	--	0.04	0.004	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
1010	Agriculture	0.1	0.03	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
1011	Agriculture	0.2	0.02	0.1	0.2	0.06	0.2	--	0.4	0.05	0.02	0.001	0.01	0.01	0.006	0.02	--	0.04	0.005	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.02	0.06	0.04	2	0.7	0.5	0.2
1015	Garden	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
1017	Garden	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
1018	Garden	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
1020	Garden	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
1021[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.02	1	0.05	0.07	0.03	2	0.7	0.5	0.2
1030[b]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	3	0.2	0.4	0.09	4	2	1	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
1035	Garden	0.2	0.03	0.3	0.3	0.05	0.5	--	0.5	0.04	0.02	0.003	0.03	0.03	0.005	0.05	--	0.05	0.004	0.2	3	0.4	0.4	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.03	2	0.7	0.5	0.2
1036	Play Area	0.1	0.02	0.3	0.3	0.03	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
1037	Garden	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.003	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
1060	House	0.1	0.02	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.2	3	0.3	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
3000	House	0.05	0.02	0.2	0.2	0.01	0.2	--	0.3	0.008	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	0.09	3	0.2	0.4	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
3001	Garden	0.3	0.04	0.5	0.5	0.1	0.5	--	1	0.07	0.04	0.003	0.05	0.05	0.01	0.04	--	0.1	0.008	0.4	3	0.5	0.6	0.2	4	2	2	0.3	0.05	1	0.06	0.09	0.04	2	0.7	0.6	0.2
3003	Other -Not Specified	0.4	0.02	0.4	0.4	0.09	0.4	--	0.9	0.08	0.04	0.002	0.03	0.04	0.008	0.04	--	0.09	0.009	0.4	3	0.4	0.5	0.2	4	2	2	0.3	0.06	1	0.04	0.08	0.04	2	0.7	0.6	0.2
3004	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
075-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2

Table 5-21. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
075-H1	House	0.1	0.02	0.2	0.3	0.05	0.5	--	0.5	0.05	0.01	0.0001	0.02	0.02	0.005	0.04	--	0.05	0.005	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
075-O1	Other -Not Specified	0.1	0.02	0.2	0.6	0.08	0.3	--	0.6	0.09	0.02	0.002	0.02	0.05	0.007	0.03	--	0.06	0.009	0.2	3	0.2	0.7	0.2	4	2	2	0.3	0.03	1	0.03	0.09	0.04	2	0.7	0.6	0.2
076-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
076-G2	Garden	0.2	0.02	0.3	0.4	0.06	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.005	0.2	3	0.3	0.5	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
076-H1	House	0.1	0.02	0.3	0.3	0.04	0.7	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.005	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
076-H2	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
076-N1	Animal Activity Area	0.2	0.02	0.3	0.4	0.1	0.6	--	0.5	0.04	0.02	0.002	0.03	0.03	0.009	0.05	--	0.05	0.004	0.2	3	0.4	0.5	0.2	4	2	2	0.2	0.04	1	0.04	0.07	0.04	2	0.7	0.5	0.2
077-A1	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.09	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
077-A2	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.08	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
077-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.08	3	0.2	0.4	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
077-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.09	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.02	0.06	0.03	2	0.7	0.5	0.2
077-H2	House	0.04	0.01	0.2	0.2	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.08	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
077-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001	0.09	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
078-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.02	0.002	0.09	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
078-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.009	0.004	0.001	0.01	0.02	0.0006	0.02	--	0.02	0.0009	0.07	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.02	0.06	0.03	2	0.7	0.5	0.2
078-N1	Animal Activity Area	0.04	0.01	0.2	0.2	0.009	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.001	0.08	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
078-O1	Other -Not Specified	0.04	0.01	0.2	0.3	0.008	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.0008	0.03	--	0.02	0.001	0.08	3	0.2	0.4	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
079-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
079-H2	House	0.2	0.02	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.05	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
080-H1	House	0.1	0.04	0.5	0.4	0.02	0.5	--	0.5	0.01	0.02	0.004	0.05	0.03	0.001	0.04	--	0.05	0.001	0.2	3	0.5	0.5	0.1	4	2	2	0.2	0.03	1	0.06	0.08	0.03	2	0.7	0.5	0.2
081-A1	Agriculture	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.04	0.07	0.03	2	0.7	0.5	0.2
081-H1	House	0.09	0.03	0.4	0.3	0.02	0.4	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.04	--	0.04	0.003	0.1	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.05	0.07	0.03	2	0.7	0.5	0.2
081-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.05	0.5	--	0.5	0.06	0.01	0.002	0.04	0.04	0.005	0.05	--	0.05	0.006	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.05	0.08	0.03	2	0.7	0.5	0.2
082-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.009	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.0009	0.09	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
082-G2	Garden	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
082-H1	House	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002	0.09	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
082-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
082-N2	Animal Activity Area	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
083-G1	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
083-G2	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
083-H1	House	0.08	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
084-H1	House	0.04	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.005	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001	0.08	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
085-H1	House	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
085-O1	Other -Not Specified	0.1	0.02	0.4	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.005	0.04	--	0.04	0.004	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
085-P1	Play Area	0.2	0.03	0.3	0.3	0.06	0.7	--	0.6	0.06	0.02	0.003	0.03	0.03	0.005	0.07	--	0.06	0.006	0.3	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
086-G1	Garden	0.09	0.01	0.2	0.3	0.03	0.5	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
086-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
086-H2	House	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
087-H1	House	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
087-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.005	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
088-H1	House	0.2	0.02	0.3	0.3	0.08	0.7	--	0.8	0.08	0.03	0.002	0.03	0.03	0.007	0.06	--	0.08	0.008	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
088-H2	House	0.1	0.01	0.2	0.2	0.05	0.4	--	0.5	0.06	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.006	0.2	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
088-O1	Other -Not Specified	0.2	0.01	0.2	0.3	0.06	0.7	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.06	--	0.06	0.006	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.03	0.07	0.04	2	0.7	0.6	0.2
089-A1	Agriculture	0.1	0.02	0.3	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	3	0.3	0.5	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
089-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.004	0.2	3	0.3	0.5	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
089-O1	Other -Not Specified	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
090-H1	House	0.05	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.006	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
090-O2	Other -Not Specified	0.06	0.02	0.3	0.4	0.04	0.5	--	0.5	0.02	0.007	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.1	3	0.3	0.5	0.1	4	2	2	0.2	0.02	1	0.04	0.08	0.03	2	0.7	0.5	0.2
091-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.003	0.2	3	0.3	0.5	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
091-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
092-O1	Other -Not Specified	0.08	0.02	0.2	0.2	0.07	0.3	--	0.5	0.06	0.01	0.001	0.02	0.02	0.007	0.02	--	0.05	0.006	0.1	3	0.2	0.3	0.2	4	2	2	0.3	0.03	1	0.03	0.06	0.04	2	0.7	0.5	0.2
092-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.02	0.06	0.03	2	0.7	0.5	0.2
093-H1	House	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.002	0.2	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
094-H1	House	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
094-P1	Play Area	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.06	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
095-A1	Agriculture	0.2	0.01	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.007	0.06	--	0.06	0.007	0.2	3	0.2	0.4	0.2	4	2	2	0.3	0.04	1	0.03	0.07	0.04	2	0.7	0.6	0.2
095-H1	House	0.2	0.02	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.02	0.03	0.005	0.05	--	0.06	0.005	0.2	3	0.3	0.5	0.1	4	2	2	0.2	0.04	1	0.03	0.07	0.04	2	0.7	0.6	0.2
095-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.07	0.5	--	0.5	0.06	0.02	0.001	0.02	0.03	0.006	0.05	--	0.05	0.006	0.2	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.04	2	0.7	0.6	0.2
095-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.008	0.06	--	0.06	0.007	0.2	3	0.3	0.4	0.2	4	2	2	0.3	0.04	1	0.03	0.07	0.04	2	0.7	0.6	0.2
096-H1	House	0.2	0.02	0.3	0.3	0.08	0.5	--	0.6	0.07	0.02	0.002	0.03	0.03	0.007	0.05	--	0.06	0.007	0.2	3	0.3	0.4	0.2	4	2	2	0.3	0.03	1	0.04	0.07	0.04	2	0.7	0.6	0.2
096-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.09	0.5	--	0.9	0.1	0.03	0.002	0.03	0.03	0.008	0.05	--	0.09	0.01	0.3	3	0.3	0.5	0.2	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
097-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.03	--	0.05	0.004	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
097-H2	House	0.08	0.02	0.2	0.3	0.03	0.2	--	0.6	0.04	0.009	0.002	0.02	0.03	0.003	0.02	--	0.05	0.004	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.6	0.2
098-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001	0.09	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
098-H1	House	0.03	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.004	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001	0.08	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
098-O1	Other -Not Specified	0.03	0.01	0.2	0.3	0.01	0.3	--	0.3	0.008	0.004	0.001	0.02	0.03	0.001	0.02	--	0.03	0.0008	0.07	3	0.2	0.4	0.09	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
099-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2

Table 5-21. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
099-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.4	--	0.3	0.03	0.01	0.0001	0.02	0.02	0.003	0.04	--	0.03	0.003	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
099-H1	House	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.05	0.01	0.0001	0.02	0.02	0.005	0.03	--	0.04	0.005	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
099-O1	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.005	0.03	--	0.05	0.005	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
100-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.4	--	0.5	0.02	0.008	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.04	0.07	0.03	2	0.7	0.5	0.2
100-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.006	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
100-N1	Animal Activity Area	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
100-N2	Animal Activity Area	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
100-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.03	--	0.04	0.004	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.04	2	0.7	0.5	0.2
101-G1	Garden	0.09	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
101-H1	House	0.08	0.02	0.2	0.3	0.05	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.005	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
101-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.07	0.02	0.002	0.03	0.03	0.006	0.05	--	0.05	0.007	0.2	3	0.3	0.4	0.1	4	2	2	0.3	0.03	1	0.04	0.07	0.04	2	0.7	0.5	0.2
102-G1	Garden	0.09	0.02	0.4	0.4	0.03	0.6	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.1	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
102-H1	House	0.07	0.03	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.1	3	0.3	0.4	0.09	4	2	2	0.2	0.02	1	0.04	0.07	0.03	2	0.7	0.5	0.2
103-H1	House	0.1	0.01	0.2	0.3	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
103-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.04	--	0.04	0.004	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
104-H1	House	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.05	0.03	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006	0.3	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.03	0.07	0.03	2	0.7	0.6	0.2
104-H2	House	0.2	0.01	0.2	0.3	0.04	0.4	--	0.6	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.06	0.005	0.3	3	0.2	0.4	0.1	4	2	2	0.2	0.04	1	0.03	0.07	0.03	2	0.7	0.6	0.2
104-N1	Animal Activity Area	0.2	0.01	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.004	0.04	--	0.05	0.004	0.3	3	0.2	0.4	0.1	4	2	2	0.2	0.04	1	0.03	0.06	0.03	2	0.7	0.5	0.2
105-H1	House	0.1	0.01	0.1	0.2	0.04	0.3	--	0.3	0.03	0.01	0.0009	0.01	0.02	0.004	0.03	--	0.03	0.003	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.02	0.06	0.03	2	0.7	0.5	0.2
105-P1	Play Area	0.1	0.007	0.1	0.1	0.09	0.3	--	0.4	0.04	0.01	0.0007	0.009	0.01	0.009	0.02	--	0.04	0.004	0.2	3	0.1	0.3	0.2	4	2	2	0.2	0.03	1	0.02	0.05	0.04	2	0.7	0.5	0.2
106-G1	Garden	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.006	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001	0.09	3	0.3	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
106-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
106-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.002	0.02	0.03	0.001	0.03	--	0.02	0.001	0.08	3	0.2	0.4	0.09	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
106-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.01	0.3	--	0.3	0.008	0.006	0.002	0.02	0.03	0.001	0.03	--	0.03	0.0008	0.09	3	0.3	0.4	0.09	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
107-H1	House	0.08	0.01	0.2	0.2	0.09	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.009	0.04	--	0.05	0.005	0.1	3	0.2	0.4	0.2	4	2	2	0.2	0.03	1	0.03	0.06	0.04	2	0.7	0.5	0.2
108-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.03	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
108-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.005	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
108-O2	Other -Not Specified	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.04	--	0.03	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
109-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	3	0.2	0.4	0.09	4	2	1	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
110-A1	Agriculture	0.1	0.01	0.3	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.05	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
110G	Garden	0.1	0.02	0.2	0.2	0.02	0.4	--	0.3	0.01	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
110-G1	Garden	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.05	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
110-G2	Garden	0.06	0.01	0.2	0.3	0.02	0.5	--	0.3	0.01	0.007	0.001	0.02	0.03	0.002	0.05	--	0.03	0.001	0.1	3	0.3	0.5	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
110-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
110-O1	Other -Not Specified	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
110-O2	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.01	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
111-H1	House	0.07	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001	0.1	3	0.2	0.4	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
112G	Garden	0.3	0.03	0.3	0.3	0.1	0.6	--	0.7	0.06	0.04	0.002	0.03	0.02	0.01	0.05	--	0.07	0.006	0.4	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.04	0.06	0.04	2	0.7	0.6	0.2
112-G1	Garden	0.2	0.04	0.3	0.3	0.06	0.4	--	0.5	0.06	0.02	0.004	0.03	0.03	0.006	0.03	--	0.05	0.006	0.2	3	0.3	0.4	0.1	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.5	0.2
112-H1	House	0.2	0.04	0.3	0.3	0.05	0.3	--	0.4	0.06	0.02	0.003	0.03	0.03	0.005	0.03	--	0.04	0.006	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
112-O1	Other -Not Specified	0.3	0.03	0.3	0.3	0.1	0.4	--	0.7	0.1	0.03	0.003	0.03	0.03	0.01	0.04	--	0.07	0.01	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
113-G1	Garden	0.2	0.02	0.3	0.4	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008	0.2	3	0.3	0.5	0.2	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
113-G2	Garden	0.2	0.02	0.3	0.4	0.1	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.008	0.2	3	0.4	0.5	0.2	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
113-G3	Garden	0.1	0.02	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.04	2	0.7	0.5	0.2
113low	Other -Not Specified	0.3	0.02	0.3	0.3	0.08	0.6	--	0.8	0.08	0.03	0.002	0.03	0.03	0.008	0.06	--	0.08	0.008	0.4	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
113-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.006	0.04	--	0.05	0.006	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.04	2	0.7	0.5	0.2
113up	Other -Not Specified	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.05	0.001	0.02	0.02	0.01	0.06	--	0.1	0.01	0.5	3	0.3	0.4	0.2	4	2	2	0.3	0.07	1	0.03	0.07	0.04	2	0.7	0.6	0.2
114-G1	Garden	0.1	0.02	0.2	0.4	0.05	0.2	--	0.5	0.09	0.02	0.001	0.02	0.04	0.005	0.02	--	0.05	0.01	0.2	3	0.2	0.5	0.1	4	2	2	0.3	0.03	1	0.03	0.08	0.04	2	0.7	0.5	0.2
114-H1	House	0.2	0.02	0.2	0.5	0.08	0.3	--	0.6	0.1	0.02	0.002	0.02	0.05	0.008	0.03	--	0.06	0.01	0.2	3	0.2	0.6	0.2	4	2	2	0.3	0.03	1	0.03	0.09	0.04	2	0.7	0.6	0.2
114-O1	Other -Not Specified	0.1	0.02	0.2	0.5	0.07	0.3	--	0.6	0.09	0.02	0.002	0.02	0.05	0.007	0.03	--	0.06	0.01	0.2	3	0.2	0.6	0.1	4	2	2	0.3	0.03	1	0.03	0.09	0.04	2	0.7	0.6	0.2
115-O1	Other -Not Specified	0.5	0.03	0.4	0.4	0.1	0.4	--	1	0.06	0.06	0.002	0.03	0.04	0.01	0.03	--	0.1	0.007	0.5	3	0.4	0.5	0.2	4	2	3	0.3	0.07	1	0.04	0.08	0.04	2	0.7	0.6	0.2
115SP	Other -Not Specified	0.4	0.02	0.3	0.3	0.2	0.5	--	1	0.1	0.04	0.002	0.02	0.03	0.02	0.05	--	0.1	0.01	0.4	3	0.3	0.4	0.3	4	2	2	0.3	0.06	1	0.03	0.07	0.05	2	0.7	0.6	0.2
116M	House	0.2	0.02	0.2	0.4	0.2	0.2	--	0.7	0.08	0.03	0.001	0.02	0.04	0.02	0.02	--	0.07	0.008	0.3	3	0.3	0.5	0.2	4	2	2	0.3	0.04	1	0.03	0.08	0.05	2	0.7	0.6	0.2
116-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.008	0.002	0.02	0.03	0.004	0.05	--	0.04	0.004	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
117-O1	Other -Not Specified	0.1	0.04	0.4	0.5	0.01	0.5	--	0.4	0.006	0.02	0.003	0.04	0.04	0.001	0.04	--	0.04	0.0006	0.2	3	0.5	0.6	0.09	4	2	2	0.2	0.03	1	0.05	0.08	0.03	2	0.7	0.5	0.2
118-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.5	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.05	--	0.03	0.001	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
118-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.4	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.04	--	0.02	0.001	0.08	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
118-H1	House	0.04	0.01	0.2	0.3	0.01	0.4	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.04	--	0.03	0.001	0.09	3	0.2	0.4	0.09	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
118-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.03	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
118-N2	Animal Activity Area	0.09	0.01	0.2	0.2	0.04	0.6	--	0.3	0.03	0.01	0.001	0.02	0.02	0.004	0.06	--	0.03	0.003	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
119-P1	Play Area	0.3	0.01	0.3	0.3	0.1	0.7	--	0.8	0.09	0.04	0.001	0.02	0.03	0.01	0.07	--	0.09	0.009	0.4	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.03	0.07	0.04	2	0.7	0.6	0.2
120-A1	Agriculture	0.08	0.03	0.2	0.2	0.03	0.3	--	0.3	0.03	0.009	0.003	0.02	0.02	0.003	0.02	--	0.03	0.003	0.1	3	0.3	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
120-G1	Garden	0.08	0.03	0.1	0.1	0.04	0.2	--	0.2	0.04	0.009	0.002	0.01	0.01	0.004	0.02	--	0.02	0.004	0.1	3	0.1	0.2	0.1	4	2	2	0.2	0.02	1	0.02	0.05	0.03	2	0.7	0.5	0.2
120-H1	House	0.09	0.02	0.2	0.2	0.04	0.2	--	0.3	0.03	0.01	0.002	0.01	0.02	0.004	0.02	--	0.03	0.003	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.02	0.06	0.03	2	0.7	0.5	0.2
120-O1	Other -Not Specified	0.1	0.04	0.2	0.2	0.05	0.3	--	0.3	0.04	0.01	0.004	0.02	0.02	0.005	0.03	--	0.03	0.004	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
121-G1	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.009	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2

Table 5-21. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
121-H1	House	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
121-N1	Animal Activity Area	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
121-N2	Animal Activity Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.003	0.04	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
122-G1	Garden	0.07	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
122-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
122-H1	House	0.08	0.02	0.3	0.3	0.04	0.5	--	0.4	0.05	0.009	0.001	0.02	0.03	0.004	0.04	--	0.04	0.005	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
122-H2	House	0.06	0.01	0.2	0.3	0.03	0.4	--	0.3	0.03	0.007	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
122-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.06	0.5	--	0.5	0.06	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.006	0.1	3	0.3	0.4	0.1	4	2	2	0.3	0.03	1	0.03	0.07	0.04	2	0.7	0.5	0.2
122-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.1	0.5	--	0.7	0.1	0.02	0.001	0.02	0.03	0.009	0.04	--	0.07	0.01	0.2	3	0.3	0.4	0.2	4	2	2	0.3	0.04	1	0.03	0.07	0.04	2	0.7	0.6	0.2
122-P1	Play Area	0.1	0.02	0.2	0.3	0.1	0.6	--	0.7	0.1	0.02	0.001	0.02	0.03	0.01	0.05	--	0.07	0.01	0.2	3	0.3	0.4	0.2	4	2	2	0.3	0.03	1	0.03	0.07	0.04	2	0.7	0.6	0.2
123-G1	Garden	0.2	0.02	0.3	0.4	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
123-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
123-H1	House	0.1	0.03	0.3	0.4	0.04	0.7	--	0.4	0.03	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.003	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.04	0.08	0.03	2	0.7	0.5	0.2
123-O1	Other -Not Specified	0.1	0.02	0.3	0.4	0.03	0.7	--	0.5	0.04	0.01	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.04	0.08	0.03	2	0.7	0.5	0.2
123-O2	Other -Not Specified	0.2	0.02	0.3	0.4	0.1	0.7	--	0.6	0.1	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.01	0.2	3	0.4	0.5	0.2	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
124-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.007	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.04	0.07	0.03	2	0.7	0.5	0.2
124-G2	Garden	0.2	0.05	0.6	0.4	0.05	0.5	--	0.7	0.05	0.02	0.005	0.06	0.04	0.005	0.05	--	0.07	0.005	0.2	3	0.6	0.6	0.1	4	2	2	0.2	0.03	1	0.07	0.08	0.03	2	0.7	0.6	0.2
124-H1	House	0.1	0.04	0.5	0.5	0.02	0.5	--	0.5	0.03	0.01	0.004	0.05	0.05	0.002	0.05	--	0.05	0.003	0.2	3	0.5	0.6	0.1	4	2	2	0.2	0.03	1	0.06	0.09	0.03	2	0.7	0.5	0.2
124-N1	Animal Activity Area	0.07	0.03	0.3	0.2	0.02	0.2	--	0.3	0.02	0.008	0.003	0.03	0.02	0.002	0.02	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
124-N2	Animal Activity Area	0.04	0.02	0.2	0.3	0.005	0.3	--	0.3	0.004	0.005	0.002	0.02	0.03	0.0005	0.03	--	0.02	0.0004	0.08	3	0.3	0.4	0.08	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
124-O1	Other -Not Specified	0.1	0.05	0.6	0.5	0.04	0.6	--	0.6	0.05	0.02	0.004	0.05	0.05	0.004	0.05	--	0.06	0.005	0.2	3	0.6	0.6	0.1	4	2	2	0.2	0.03	1	0.06	0.09	0.03	2	0.7	0.6	0.2
125-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.3	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.04	0.003	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
126-A1	Agriculture	0.07	0.01	0.1	0.2	0.03	0.3	--	0.3	0.03	0.009	0.001	0.01	0.02	0.003	0.03	--	0.03	0.003	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.02	0.06	0.03	2	0.7	0.5	0.2
126-G1	Garden	0.09	0.02	0.2	0.3	0.02	0.3	--	0.4	0.01	0.01	0.001	0.02	0.03	0.002	0.03	--	0.04	0.001	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
126-G2	Garden	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
126-H1	House	0.04	0.01	0.1	0.2	0.01	0.2	--	0.2	0.01	0.005	0.0009	0.01	0.02	0.001	0.02	--	0.02	0.001	0.09	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.02	0.06	0.03	2	0.7	0.5	0.2
126-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.01	0.02	0.002	0.03	--	0.03	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.02	0.06	0.03	2	0.7	0.5	0.2
126-O2	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.2	--	0.2	0.01	0.006	0.0009	0.01	0.02	0.002	0.02	--	0.02	0.001	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.02	0.06	0.03	2	0.7	0.5	0.2
126-O3	Other -Not Specified	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.001	0.02	0.03	0.002	0.03	--	0.04	0.002	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
126-P1	Play Area	0.06	0.009	0.1	0.2	0.02	0.2	--	0.3	0.01	0.007	0.0008	0.01	0.02	0.002	0.01	--	0.03	0.001	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.02	0.06	0.03	2	0.7	0.5	0.2
127-A1	Agriculture	0.1	0.02	0.2	0.3	0.08	0.6	--	0.5	0.05	0.02	0.001	0.02	0.03	0.007	0.05	--	0.05	0.005	0.2	3	0.3	0.4	0.2	4	2	2	0.2	0.03	1	0.03	0.07	0.04	2	0.7	0.5	0.2
127-G1	Garden	0.07	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
127-G2	Garden	0.09	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
127-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.004	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
127-H2	House	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
127-N1	Animal Activity Area	0.09	0.01	0.2	0.3	0.06	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.004	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.04	2	0.7	0.5	0.2
128-G1	Garden	0.2	0.04	0.4	0.4	0.03	0.5	--	0.5	0.02	0.02	0.004	0.04	0.04	0.002	0.04	--	0.05	0.002	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.04	1	0.05	0.08	0.03	2	0.7	0.5	0.2
128-G2	Garden	0.2	0.06	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.005	0.03	0.03	0.003	0.04	--	0.05	0.004	0.2	3	0.4	0.4	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.03	2	0.7	0.5	0.2
128-G3	Garden	0.1	0.03	0.3	0.4	0.02	0.5	--	0.5	0.02	0.01	0.002	0.03	0.04	0.002	0.05	--	0.04	0.002	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.04	0.08	0.03	2	0.7	0.5	0.2
128-N1	Animal Activity Area	0.2	0.03	0.3	0.4	0.05	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.004	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.03	2	0.7	0.5	0.2
128-O1	Other -Not Specified	0.1	0.05	0.3	0.4	0.03	0.5	--	0.5	0.03	0.02	0.005	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	3	0.3	0.5	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
129-H1	House	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.07	0.02	0.001	0.02	0.03	0.01	0.02	--	0.07	0.007	0.2	3	0.2	0.4	0.2	4	2	2	0.3	0.04	1	0.03	0.07	0.04	2	0.7	0.6	0.2
129-H2	House	0.2	0.01	0.2	0.2	0.1	0.3	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.03	--	0.06	0.008	0.2	3	0.2	0.3	0.2	4	2	2	0.3	0.04	1	0.03	0.06	0.04	2	0.7	0.6	0.2
130-G1	Garden	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.02	0.001	0.09	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
130-H1	House	0.03	0.01	0.2	0.3	0.009	0.2	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.07	3	0.2	0.4	0.09	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
130-H2	House	0.07	0.02	0.2	0.3	0.02	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.04	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
131-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.5	0.05	0.01	0.002	0.02	0.03	0.003	0.03	--	0.05	0.005	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
132-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.2	--	0.3	0.009	0.005	0.001	0.02	0.03	0.001	0.02	--	0.02	0.0009	0.09	3	0.2	0.4	0.09	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
132-G2	Garden	0.04	0.02	0.2	0.3	0.005	0.3	--	0.2	0.004	0.004	0.001	0.02	0.03	0.0005	0.03	--	0.02	0.0004	0.08	3	0.3	0.4	0.09	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
132-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.09	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
132-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.006	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
133-G1	Garden	0.2	0.02	0.2	0.3	0.07	0.5	--	0.6	0.06	0.02	0.002	0.02	0.03	0.007	0.04	--	0.05	0.006	0.2	3	0.3	0.4	0.2	4	2	2	0.2	0.04	1	0.03	0.07	0.04	2	0.7	0.6	0.2
133-H1	House	0.1	0.05	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.005	0.02	0.03	0.003	0.03	--	0.04	0.003	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
134-O1	Other -Not Specified	0.4	0.01	0.2	0.3	0.2	0.4	--	1	0.1	0.05	0.001	0.02	0.03	0.02	0.04	--	0.1	0.01	0.5	3	0.3	0.4	0.3	4	2	2	0.3	0.06	1	0.03	0.07	0.05	2	0.7	0.6	0.2
135-G1	Garden	0.2	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.05	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.03	0.06	0.03	2	0.7	0.5	0.2
135-H1	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.6	0.05	0.02	0.002	0.02	0.03	0.004	0.05	--	0.06	0.005	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.03	0.07	0.03	2	0.7	0.6	0.2
135-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.06	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.03	0.07	0.03	2	0.7	0.5	0.2
136-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
136-G1	Garden	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
136-H1	House	0.06	0.02	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
136-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.07	0.01	0.001	0.01	0.02	0.007	0.03	--	0.04	0.007	0.1	3	0.2	0.3	0.2	4	2	2	0.3	0.03	1	0.02	0.06	0.04	2	0.7	0.5	0.2
137-O1	Other -Not Specified	0.07	0.01	0.1	0.2	0.07	0.3	--	0.4	0.07	0.008	0.0009	0.01	0.02	0.006	0.03	--	0.04	0.007	0.1	3	0.2	0.3	0.1	4	2	2	0.3	0.02	1	0.02	0.06	0.04	2	0.7	0.5	0.2
137-O2	Other -Not Specified	0.08	0.01	0.2	0.2	0.05	0.3	--	0.4	0.06	0.009	0.001	0.02	0.02	0.005	0.03	--	0.04	0.006	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
138-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
138-G2	Garden	0.08	0.03	0.3	0.3	0.04	0.4	--	0.3	0.03	0.009	0.003	0.03	0.03	0.004	0.04	--	0.03	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.04	0.07	0.03	2	0.7	0.5	0.2
138-H1	House	0.09	0.03	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.002	0.1	3	0.3	0.5	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
138-O1	Other -Not Specified	0.06	0.02	0.3	0.4	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.04	0.002	0.04	--	0.03	0.002	0.1	3	0.3	0.5	0.1	4	2	2	0.2	0.02	1	0.04	0.08	0.03	2	0.7	0.5	0.2

Table 5-21. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
138-O2	Other -Not Specified	0.09	0.04	0.3	0.3	0.03	0.3	--	0.3	0.06	0.01	0.004	0.02	0.02	0.003	0.03	--	0.03	0.006	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
139-G1	Garden	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
139-G2	Garden	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
139-H1	House	0.06	0.01	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
139-N1	Animal Activity Area	0.07	0.01	0.3	0.3	0.03	0.4	--	0.4	0.02	0.008	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
140-G1	Garden	0.4	0.01	0.3	0.3	0.2	0.8	--	0.8	0.09	0.04	0.001	0.02	0.03	0.02	0.07	--	0.08	0.009	0.4	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.03	0.07	0.05	2	0.7	0.6	0.2
140-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	3	0.2	0.4	0.09	4	2	1	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
140-O1	Other -Not Specified	0.6	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.07	0.001	0.02	0.03	0.02	0.05	--	0.1	0.01	0.6	3	0.3	0.4	0.3	4	2	3	0.3	0.08	1	0.03	0.07	0.05	2	0.7	0.6	0.2
140-O2[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	3	0.2	0.4	0.09	4	2	1	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
141-A1	Agriculture	0.1	0.03	0.5	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.002	0.2	3	0.5	0.5	0.1	4	2	2	0.2	0.03	1	0.05	0.08	0.03	2	0.7	0.5	0.2
141-H1	House	0.1	0.03	0.4	0.4	0.03	0.4	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.05	0.08	0.03	2	0.7	0.5	0.2
141-H2	House	0.2	0.04	0.5	0.5	0.05	0.6	--	0.5	0.04	0.02	0.003	0.05	0.05	0.005	0.05	--	0.05	0.004	0.2	3	0.5	0.6	0.1	4	2	2	0.2	0.04	1	0.06	0.09	0.03	2	0.7	0.5	0.2
141-H3	House	0.1	0.03	0.4	0.4	0.04	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.003	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.05	0.08	0.03	2	0.7	0.5	0.2
141-N1	Animal Activity Area	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002	0.1	3	0.3	0.5	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
141-N2	Animal Activity Area	0.2	0.03	0.5	0.5	0.04	0.6	--	0.5	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.05	0.003	0.2	3	0.5	0.6	0.1	4	2	2	0.2	0.03	1	0.05	0.09	0.03	2	0.7	0.5	0.2
141-N3	Animal Activity Area	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.008	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	0.09	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
141-N4	Animal Activity Area	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.05	0.08	0.03	2	0.7	0.5	0.2
141-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.003	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.05	0.08	0.03	2	0.7	0.5	0.2
142-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.004	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
142-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.004	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
143-A1	Agriculture	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
143-G1	Garden	0.08	0.01	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
143-G2	Garden	0.08	0.01	0.2	0.2	0.02	0.4	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
143-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
144-G1	Garden	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.04	2	0.7	0.6	0.2
144-H1	House	0.2	0.01	0.2	0.3	0.06	0.5	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.04	--	0.06	0.006	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.04	2	0.7	0.6	0.2
145-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.009	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
145-H1	House	0.1	0.02	0.3	0.3	0.06	0.6	--	0.6	0.07	0.02	0.002	0.02	0.03	0.006	0.06	--	0.06	0.007	0.2	3	0.3	0.4	0.1	4	2	2	0.3	0.03	1	0.03	0.07	0.04	2	0.7	0.6	0.2
146G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.01	0.01	0.002	0.03	0.03	0.002	0.05	--	0.05	0.001	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
146-H1	House	0.7	0.01	0.3	0.3	0.4	0.8	--	2	0.6	0.07	0.001	0.02	0.03	0.04	0.07	--	0.2	0.06	0.7	3	0.3	0.4	0.5	4	2	4	0.8	0.09	1	0.03	0.07	0.07	2	0.7	0.7	0.2
147-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
147-G2	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
147-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
148-H1	House	0.04	0.01	0.2	0.3	0.02	0.2	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.002	0.08	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
148-O1	Other -Not Specified	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
148-O3	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.02	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
149-A1	Agriculture	0.2	0.2	1	0.7	0.05	0.7	--	1	0.2	0.02	0.02	0.09	0.06	0.005	0.06	--	0.1	0.02	0.2	3	1	0.8	0.1	4	2	2	0.4	0.03	1	0.1	0.1	0.04	2	0.7	0.6	0.2
149-G1	Garden	0.1	0.09	0.7	0.5	0.05	0.7	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.06	--	0.07	0.008	0.2	3	0.8	0.7	0.1	4	2	2	0.3	0.03	1	0.08	0.09	0.03	2	0.7	0.6	0.2
149-G2	Garden	0.1	0.09	0.7	0.5	0.04	0.6	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.05	--	0.07	0.008	0.2	3	0.7	0.6	0.1	4	2	2	0.3	0.03	1	0.08	0.09	0.03	2	0.7	0.6	0.2
149-H1	House	0.1	0.09	0.7	0.5	0.06	0.6	--	0.7	0.09	0.02	0.009	0.07	0.05	0.005	0.06	--	0.07	0.009	0.2	3	0.7	0.6	0.1	4	2	2	0.3	0.03	1	0.08	0.09	0.04	2	0.7	0.6	0.2
149-N1	Animal Activity Area	0.1	0.07	0.5	0.4	0.03	0.5	--	0.6	0.06	0.01	0.006	0.05	0.04	0.003	0.05	--	0.05	0.006	0.1	3	0.6	0.5	0.1	4	2	2	0.2	0.03	1	0.06	0.08	0.03	2	0.7	0.5	0.2
150-G1	Garden	0.06	0.01	0.2	0.2	0.02	0.3	--	0.3	0.01	0.007	0.001	0.02	0.02	0.002	0.02	--	0.03	0.001	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
150-H1	House	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.09	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
151-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.004	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
152-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.004	0.2	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
152-H1	House	0.2	0.02	0.3	0.2	0.07	0.4	--	0.5	0.06	0.02	0.002	0.03	0.02	0.007	0.03	--	0.05	0.006	0.2	3	0.3	0.3	0.2	4	2	2	0.2	0.03	1	0.04	0.06	0.04	2	0.7	0.5	0.2
153-G1	Garden	0.2	0.02	0.2	0.3	0.06	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.06	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.03	0.07	0.04	2	0.7	0.5	0.2
153-H1	House	0.3	0.02	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	0.002	0.03	0.03	0.01	0.06	--	0.08	0.01	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
153-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.9	--	0.6	0.1	0.02	0.001	0.03	0.03	0.01	0.08	--	0.06	0.01	0.2	3	0.3	0.4	0.2	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
153-O2	Other -Not Specified	0.2	0.009	0.1	0.2	0.2	0.5	--	0.6	0.1	0.02	0.0008	0.01	0.02	0.02	0.04	--	0.06	0.01	0.2	3	0.1	0.3	0.2	4	2	2	0.3	0.03	1	0.02	0.06	0.05	2	0.7	0.6	0.2
153-O3	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.7	--	0.7	0.08	0.03	0.002	0.02	0.03	0.01	0.07	--	0.07	0.008	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.03	0.07	0.04	2	0.7	0.6	0.2
153-O5	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.7	--	0.8	0.09	0.03	0.001	0.02	0.03	0.01	0.07	--	0.08	0.009	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.03	0.07	0.04	2	0.7	0.6	0.2
153-O6	Other -Not Specified	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.2	3	0.3	0.5	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
153-O7	Other -Not Specified	0.3	0.02	0.3	0.3	0.2	0.8	--	0.8	0.1	0.04	0.002	0.02	0.03	0.02	0.07	--	0.08	0.01	0.4	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.03	0.07	0.05	2	0.7	0.6	0.2
153-P1	Play Area	0.3	0.02	0.3	0.3	0.1	0.8	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.07	--	0.09	0.01	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
154-G1	Garden	0.04	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.005	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.08	3	0.3	0.4	0.09	4	2	2	0.2	0.02	1	0.04	0.07	0.03	2	0.7	0.5	0.2
154-H1	House	0.04	0.02	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001	0.08	3	0.3	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
155-G1	Garden	0.2	0.01	0.2	0.2	0.08	0.5	--	0.5	0.05	0.02	0.001	0.02	0.02	0.007	0.04	--	0.05	0.006	0.2	3	0.3	0.3	0.2	4	2	2	0.2	0.03	1	0.03	0.06	0.04	2	0.7	0.5	0.2
155-G2	Garden	0.09	0.02	0.2	0.3	0.05	0.3	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
155-H1	House	0.07	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
155-H2	House	0.1	0.01	0.2	0.2	0.07	0.4	--	0.5	0.04	0.01	0.001	0.02	0.02	0.007	0.03	--	0.05	0.004	0.2	3	0.2	0.3	0.2	4	2	2	0.2	0.03	1	0.03	0.06	0.04	2	0.7	0.5	0.2
155-O2	Other -Not Specified	0.2	0.01	0.2	0.2	0.1	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.04	--	0.06	0.008	0.2	3	0.2	0.3	0.2	4	2	2	0.3	0.03	1	0.03	0.06	0.04	2	0.7	0.6	0.2
156-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
156-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005	0.2	3	0.2	0.3	0.2	4	2	2	0.2	0.03	1	0.03	0.06	0.04	2	0.7	0.5	0.2
157-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
157-H1	House	0.09	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.01	0.002	0.02	0.02	0.004	0.02	--	0.05	0.004	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2

Table 5-21. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
157-H2	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.02	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
157-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.02	--	0.03	0.003	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
158-H1	House	0.06	0.02	0.2	0.3	0.02	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
158-O1	Other -Not Specified	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001	0.09	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
159-G1	Garden	0.1	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
159-H1	House	0.08	0.01	0.2	0.2	0.02	0.2	--	0.3	0.02	0.01	0.001	0.01	0.02	0.002	0.02	--	0.03	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.02	0.06	0.03	2	0.7	0.5	0.2
159-H2	House	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
159-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
159-O2	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
160-G1	Garden	0.1	0.01	0.2	0.2	0.03	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
160-H1	House	0.09	0.01	0.2	0.3	0.02	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.04	0.002	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
160-H2	House	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
161-H1	House	0.1	0.02	0.2	0.3	0.04	0.4	--	0.5	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.005	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
161-N1	Animal Activity Area	0.08	0.01	0.2	0.2	0.03	0.3	--	0.3	0.04	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.004	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
162-H1	House	0.05	0.01	0.2	0.2	0.05	0.2	--	0.3	0.03	0.006	0.0009	0.02	0.02	0.005	0.02	--	0.03	0.003	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
163G	Garden	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.06	0.04	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006	0.4	3	0.3	0.4	0.1	4	2	2	0.2	0.05	1	0.03	0.07	0.03	2	0.7	0.6	0.2
163-G1	Garden	0.06	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.007	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
163-O1	Other -Not Specified	0.07	0.01	0.2	0.3	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
164-H1	House	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.006	0.03	--	0.04	0.005	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.04	2	0.7	0.5	0.2
165-H1	House	0.1	0.05	0.6	0.5	0.03	0.5	--	0.4	0.02	0.02	0.004	0.06	0.05	0.003	0.05	--	0.04	0.002	0.2	3	0.6	0.6	0.1	4	2	2	0.2	0.03	1	0.07	0.09	0.03	2	0.7	0.5	0.2
165-O1	Other -Not Specified	0.2	0.06	0.9	0.7	0.07	0.7	--	0.5	0.05	0.03	0.005	0.08	0.06	0.007	0.06	--	0.06	0.005	0.3	3	0.9	0.8	0.2	4	2	2	0.2	0.04	1	0.09	0.1	0.04	2	0.7	0.6	0.2
166-O1	Other -Not Specified	0.2	0.01	0.2	0.4	0.1	0.2	--	0.6	0.1	0.02	0.001	0.02	0.03	0.009	0.02	--	0.06	0.01	0.2	3	0.2	0.5	0.2	4	2	2	0.3	0.04	1	0.03	0.07	0.04	2	0.7	0.6	0.2
167-O1	Other -Not Specified	0.08	0.01	0.2	0.3	0.03	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.003	0.02	--	0.04	0.004	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
167-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.2	--	0.5	0.04	0.01	0.001	0.02	0.02	0.005	0.02	--	0.05	0.004	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
167-O3	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.6	0.07	0.01	0.001	0.02	0.02	0.008	0.03	--	0.06	0.007	0.2	3	0.3	0.4	0.2	4	2	2	0.3	0.03	1	0.03	0.07	0.04	2	0.7	0.6	0.2
167-O4	Other -Not Specified	0.09	0.01	0.2	0.3	0.06	0.3	--	0.6	0.04	0.01	0.001	0.02	0.03	0.005	0.03	--	0.06	0.004	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.04	2	0.7	0.6	0.2
167-O5	Other -Not Specified	0.1	0.01	0.2	0.3	0.07	0.3	--	0.6	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.06	0.004	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.04	2	0.7	0.6	0.2
167-O6	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.5	0.07	0.01	0.001	0.02	0.02	0.008	0.04	--	0.05	0.007	0.2	3	0.2	0.4	0.2	4	2	2	0.3	0.03	1	0.03	0.06	0.04	2	0.7	0.5	0.2
167-O7	Other -Not Specified	0.2	0.01	0.2	0.3	0.2	0.4	--	0.8	0.1	0.03	0.001	0.02	0.02	0.02	0.04	--	0.08	0.01	0.3	3	0.2	0.4	0.2	4	2	2	0.3	0.04	1	0.03	0.07	0.05	2	0.7	0.6	0.2
167-O8	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.04	0.009	0.001	0.01	0.02	0.008	0.03	--	0.05	0.004	0.1	3	0.2	0.3	0.2	4	2	2	0.2	0.02	1	0.02	0.06	0.04	2	0.7	0.5	0.2
167-O9	Other -Not Specified	0.09	0.01	0.2	0.3	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005	0.1	3	0.2	0.4	0.2	4	2	2	0.2	0.03	1	0.03	0.07	0.04	2	0.7	0.5	0.2
168-G1	Garden	0.04	0.02	0.2	0.3	0.02	0.3	--	0.3	0.03	0.005	0.002	0.02	0.02	0.002	0.03	--	0.03	0.003	0.08	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
168-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.09	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
168-H1	House	0.04	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.08	3	0.2	0.4	0.09	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
168-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.2	0.03	0.006	0.002	0.02	0.02	0.002	0.03	--	0.02	0.003	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
168-O1	Other -Not Specified	0.2	0.05	0.3	0.3	0.09	0.3	--	0.5	0.06	0.02	0.005	0.02	0.03	0.008	0.02	--	0.05	0.006	0.2	3	0.3	0.4	0.2	4	2	2	0.2	0.04	1	0.03	0.07	0.04	2	0.7	0.5	0.2
169A	Other -Not Specified	0.1	0.01	0.2	0.4	0.2	0.2	--	0.5	0.05	0.01	0.001	0.02	0.04	0.02	0.02	--	0.05	0.005	0.2	3	0.2	0.5	0.3	4	2	2	0.2	0.03	1	0.03	0.08	0.05	2	0.7	0.5	0.2
169-G2	Garden	0.06	0.01	0.2	0.3	0.03	0.2	--	0.3	0.02	0.007	0.001	0.02	0.03	0.003	0.02	--	0.03	0.002	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
169-G3	Garden	0.08	0.02	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.03	0.002	0.1	3	0.3	0.5	0.1	4	2	2	0.2	0.03	1	0.04	0.08	0.03	2	0.7	0.5	0.2
169-G4	Garden	0.07	0.02	0.2	0.3	0.04	0.3	--	0.3	0.02	0.008	0.001	0.02	0.03	0.004	0.03	--	0.03	0.002	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
169-H1	House	0.05	0.01	0.2	0.2	0.03	0.3	--	0.2	0.02	0.006	0.001	0.01	0.02	0.002	0.03	--	0.02	0.002	0.09	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.02	0.06	0.03	2	0.7	0.5	0.2
170-G1	Garden	0.08	0.02	0.2	0.3	0.03	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
170-G2	Garden	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.06	0.01	0.001	0.02	0.03	0.006	0.03	--	0.04	0.006	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.04	2	0.7	0.5	0.2
170-H1	House	0.07	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
171-A1	Agriculture	0.2	0.04	0.6	0.5	0.07	0.6	--	0.7	0.08	0.02	0.004	0.05	0.05	0.006	0.06	--	0.07	0.009	0.2	3	0.6	0.6	0.1	4	2	2	0.3	0.03	1	0.06	0.09	0.04	2	0.7	0.6	0.2
171-G1	Garden	0.2	0.03	0.5	0.4	0.1	0.7	--	0.8	0.1	0.02	0.003	0.04	0.04	0.01	0.07	--	0.08	0.01	0.2	3	0.5	0.5	0.2	4	2	2	0.3	0.04	1	0.05	0.08	0.04	2	0.7	0.6	0.2
171-H1	House	0.1	0.03	0.3	0.4	0.08	0.4	--	0.6	0.08	0.01	0.002	0.03	0.03	0.007	0.04	--	0.06	0.008	0.2	3	0.4	0.5	0.2	4	2	2	0.3	0.03	1	0.04	0.08	0.04	2	0.7	0.6	0.2
172U	Other -Not Specified	0.2	0.02	0.2	0.5	0.08	0.2	--	0.6	0.1	0.02	0.002	0.02	0.05	0.007	0.02	--	0.06	0.01	0.2	3	0.2	0.7	0.2	4	2	2	0.3	0.04	1	0.03	0.09	0.04	2	0.7	0.6	0.2
173-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.009	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
173-G2	Garden	0.05	0.02	0.2	0.3	0.009	0.2	--	0.2	0.006	0.006	0.002	0.02	0.03	0.0008	0.02	--	0.02	0.0006	0.09	3	0.2	0.4	0.09	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
173-G3	Garden	0.1	0.03	0.2	0.4	0.04	0.4	--	0.4	0.03	0.02	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.2	3	0.3	0.5	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
173-G4	Garden	0.1	0.03	0.2	0.3	0.05	0.4	--	0.4	0.04	0.02	0.003	0.02	0.03	0.005	0.04	--	0.04	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
173-G5	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.01	0.002	0.03	0.03	0.002	0.03	--	0.03	0.001	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
173-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.03	--	0.04	0.005	0.2	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
173-P1	Play Area	0.1	0.02	0.2	0.3	0.07	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.007	0.03	--	0.05	0.006	0.2	3	0.3	0.4	0.2	4	2	2	0.3	0.03	1	0.03	0.07	0.04	2	0.7	0.5	0.2
174-A1	Agriculture	0.1	0.03	0.3	0.3	0.04	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004	0.2	3	0.4	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
174-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.8	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
174-H1	House	0.2	0.03	0.3	0.3	0.09	0.7	--	0.5	0.06	0.02	0.003	0.03	0.03	0.009	0.06	--	0.05	0.006	0.2	3	0.4	0.4	0.2	4	2	2	0.2	0.03	1	0.04	0.07	0.04	2	0.7	0.6	0.2
174M	House	0.05	0.01	0.2	0.2	0.008	0.2	--	0.2	0.01	0.006	0.001	0.02	0.02	0.0007	0.02	--	0.02	0.001	0.1	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
175-G1	Garden	0.08	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.009	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
175-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.001	0.01	0.02	0.002	0.02	--	0.02	0.001	0.08	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.02	0.06	0.03	2	0.7	0.5	0.2
175-H1	House	0.06	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.007	0.001	0.01	0.02	0.004	0.02	--	0.03	0.003	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.02	0.06	0.03	2	0.7	0.5	0.2
176-A1	Agriculture	0.08	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
176G	Garden	0.2	0.02	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.005	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.04	1	0.03	0.06	0.04	2	0.7	0.5	0.2
176-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
176-H2	House	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.002	0.03	--	0.04	0.002	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
176M	House	0.2	0.01	0.2	0.2	0.07	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.007	0.04	--	0.06	0.008	0.2	3	0.2	0.3	0.1	4	2	2	0.3	0.04	1	0.03	0.06	0.04	2	0.7	0.6	0.2

Table 5-21. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
176-P1	Play Area	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
178-H1	House	0.07	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.002	0.04	--	0.03	0.001	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.04	0.07	0.03	2	0.7	0.5	0.2
179-H1	House	0.1	0.02	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.05	--	0.04	0.003	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
180-H1	House	0.3	0.02	0.2	0.3	0.2	0.3	--	0.9	0.06	0.03	0.001	0.02	0.03	0.01	0.03	--	0.09	0.006	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.03	0.07	0.04	2	0.7	0.6	0.2
180-H2[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	3	0.2	0.4	0.09	4	2	1	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
180-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.3	0.3	--	1	0.09	0.02	0.001	0.02	0.03	0.02	0.03	--	0.1	0.009	0.2	3	0.3	0.4	0.3	4	2	2	0.3	0.04	1	0.03	0.07	0.05	2	0.7	0.6	0.2
181-A1	Agriculture	0.2	0.02	0.3	0.3	0.05	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.3	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.03	2	0.7	0.6	0.2
181-G1	Garden	0.2	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.02	0.002	0.02	0.03	0.003	0.04	--	0.04	0.001	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
181-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.3	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
181-H1	House	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.06	0.005	0.3	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
181-H2	House	0.3	0.02	0.3	0.3	0.06	0.7	--	0.7	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.004	0.3	3	0.4	0.4	0.1	4	2	2	0.2	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
181-N1	Animal Activity Area	0.3	0.02	0.3	0.3	0.06	0.8	--	0.7	0.05	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.005	0.3	3	0.3	0.4	0.1	4	2	2	0.2	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
181-N2	Animal Activity Area	0.2	0.02	0.3	0.3	0.07	0.7	--	0.6	0.05	0.03	0.002	0.03	0.03	0.007	0.07	--	0.06	0.005	0.3	3	0.3	0.4	0.2	4	2	2	0.2	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
181-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
182-G1	Garden	0.2	0.04	0.4	0.3	0.08	0.7	--	0.6	0.09	0.02	0.003	0.04	0.03	0.007	0.06	--	0.06	0.009	0.2	3	0.4	0.5	0.2	4	2	2	0.3	0.03	1	0.05	0.07	0.04	2	0.7	0.6	0.2
182-G2	Garden	0.3	0.04	0.4	0.4	0.09	0.9	--	0.8	0.09	0.03	0.003	0.04	0.03	0.008	0.08	--	0.08	0.009	0.3	3	0.5	0.5	0.2	4	2	2	0.3	0.05	1	0.05	0.07	0.04	2	0.7	0.6	0.2
182-H1	House	0.1	0.03	0.4	0.3	0.06	0.6	--	0.6	0.06	0.01	0.003	0.04	0.03	0.005	0.06	--	0.06	0.006	0.2	3	0.4	0.5	0.1	4	2	2	0.3	0.03	1	0.05	0.07	0.04	2	0.7	0.6	0.2
182-H2	House	0.1	0.03	0.4	0.4	0.05	0.6	--	0.5	0.06	0.01	0.003	0.04	0.04	0.005	0.05	--	0.05	0.006	0.2	3	0.5	0.5	0.1	4	2	2	0.2	0.03	1	0.05	0.08	0.03	2	0.7	0.5	0.2
182-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.04	0.5	--	0.5	0.05	0.01	0.003	0.04	0.04	0.004	0.05	--	0.05	0.005	0.1	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.05	0.08	0.03	2	0.7	0.5	0.2
182-O2	Other -Not Specified	0.3	0.03	0.4	0.4	0.08	0.9	--	0.7	0.09	0.03	0.003	0.04	0.03	0.007	0.08	--	0.08	0.009	0.3	3	0.4	0.5	0.2	4	2	2	0.3	0.05	1	0.05	0.07	0.04	2	0.7	0.6	0.2
182-O3	Other -Not Specified	0.1	0.03	0.3	0.3	0.07	0.6	--	0.6	0.09	0.02	0.003	0.03	0.03	0.006	0.05	--	0.06	0.009	0.2	3	0.3	0.4	0.1	4	2	2	0.3	0.03	1	0.04	0.07	0.04	2	0.7	0.6	0.2
184-H1	House	0.2	0.01	0.2	0.2	0.08	0.3	--	0.6	0.06	0.02	0.001	0.02	0.02	0.007	0.03	--	0.06	0.006	0.2	3	0.2	0.3	0.2	4	2	2	0.3	0.04	1	0.03	0.06	0.04	2	0.7	0.6	0.2
185-A1	Agriculture	0.1	0.03	0.3	0.3	0.05	0.3	--	0.5	0.03	0.01	0.003	0.02	0.03	0.004	0.03	--	0.05	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
185G	Garden	0.2	0.03	0.5	0.4	0.02	0.5	--	0.6	0.01	0.02	0.002	0.05	0.04	0.002	0.05	--	0.06	0.001	0.3	3	0.5	0.5	0.1	4	2	2	0.2	0.04	1	0.06	0.08	0.03	2	0.7	0.6	0.2
185-H1	House	0.09	0.03	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.05	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
186-O1	Other -Not Specified	0.2	0.02	0.2	0.5	0.1	0.3	--	0.6	0.1	0.02	0.001	0.02	0.05	0.01	0.02	--	0.06	0.01	0.2	3	0.2	0.6	0.2	4	2	2	0.3	0.04	1	0.03	0.09	0.04	2	0.7	0.6	0.2
187-H1	House	0.07	0.01	0.2	0.3	0.06	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.04	2	0.7	0.5	0.2
188-A1	Agriculture	0.09	0.03	0.3	0.3	0.04	0.6	--	0.4	0.04	0.01	0.003	0.03	0.03	0.004	0.06	--	0.04	0.004	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
188-G1	Garden	0.1	0.03	0.3	0.3	0.06	0.6	--	0.4	0.05	0.01	0.003	0.03	0.03	0.006	0.05	--	0.04	0.005	0.2	3	0.4	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.04	2	0.7	0.5	0.2
188-G2	Garden	0.1	0.04	0.4	0.3	0.07	0.7	--	0.5	0.06	0.02	0.004	0.03	0.03	0.007	0.06	--	0.05	0.006	0.2	3	0.4	0.4	0.2	4	2	2	0.2	0.03	1	0.04	0.07	0.04	2	0.7	0.5	0.2
188-G3	Garden	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
188-H1	House	0.06	0.04	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.004	0.03	0.03	0.002	0.04	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.04	0.07	0.03	2	0.7	0.5	0.2
188-P1	Play Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.002	0.02	0.02	0.003	0.04	--	0.03	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
189-G1	Garden	0.06	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.001	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
189-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.03	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
189-H2	House	0.09	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
189-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
190-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.007	0.005	0.001	0.02	0.03	0.001	0.03	--	0.03	0.0008	0.08	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
190-H1	House	0.04	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.005	0.001	0.02	0.02	0.002	0.03	--	0.02	0.002	0.09	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
190-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.001	0.03	--	0.03	0.001	0.09	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
190-N2	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.03	--	0.02	0.001	0.08	3	0.2	0.4	0.09	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
190-N3	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.009	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.0009	0.08	3	0.2	0.4	0.09	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
190-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.04	0.07	0.03	2	0.7	0.5	0.2
191-H1	House	0.1	0.02	0.3	0.3	0.09	0.4	--	0.5	0.06	0.02	0.002	0.03	0.03	0.008	0.04	--	0.05	0.006	0.2	3	0.3	0.4	0.2	4	2	2	0.3	0.03	1	0.04	0.07	0.04	2	0.7	0.5	0.2
192-A1	Agriculture	0.1	0.03	0.3	0.3	0.07	0.3	--	0.5	0.03	0.01	0.003	0.03	0.03	0.006	0.03	--	0.05	0.003	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.04	2	0.7	0.5	0.2
192-G1	Garden	0.1	0.04	0.3	0.4	0.08	0.3	--	0.6	0.03	0.02	0.004	0.03	0.03	0.007	0.03	--	0.06	0.003	0.2	3	0.4	0.5	0.2	4	2	2	0.2	0.03	1	0.04	0.07	0.04	2	0.7	0.6	0.2
192-H1	House	0.1	0.03	0.2	0.3	0.06	0.3	--	0.5	0.02	0.01	0.003	0.02	0.03	0.005	0.02	--	0.05	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.04	2	0.7	0.5	0.2
193-G1	Garden	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.008	0.005	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.08	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
193-H1	House	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.0009	0.08	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
194-H1	House	0.03	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.07	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
194-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
195-G1	Garden	0.1	0.01	0.2	0.2	0.05	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.003	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
195-G2	Garden	0.1	0.01	0.2	0.3	0.09	0.5	--	0.5	0.07	0.02	0.001	0.02	0.03	0.009	0.05	--	0.05	0.007	0.2	3	0.2	0.4	0.2	4	2	2	0.3	0.03	1	0.03	0.07	0.04	2	0.7	0.5	0.2
195-O1	Other -Not Specified	0.1	0.01	0.1	0.2	0.1	0.4	--	0.4	0.06	0.01	0.0009	0.01	0.02	0.009	0.04	--	0.04	0.007	0.1	3	0.2	0.3	0.2	4	2	2	0.3	0.03	1	0.02	0.06	0.04	2	0.7	0.5	0.2
196-A1	Agriculture	0.06	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.007	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
196-A2	Agriculture	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.04	0.008	0.002	0.02	0.02	0.003	0.04	--	0.04	0.004	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
196-G1	Garden	0.07	0.01	0.2	0.3	0.04	0.4	--	0.5	0.02	0.008	0.001	0.02	0.02	0.003	0.04	--	0.05	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
196-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
197-H1	House	0.1	0.03	0.3	0.4	0.05	0.3	--	0.5	0.04	0.01	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	0.1	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
198-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.6	--	0.4	0.03	0.01	0.002	0.02	0.02	0.004	0.06	--	0.04	0.003	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
198-H1	House	0.1	0.03	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.06	--	0.06	0.005	0.2	3	0.4	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.04	2	0.7	0.6	0.2
199-G1	Garden	0.04	0.02	0.3	0.4	0.01	0.3	--	0.3	0.006	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.0006	0.08	3	0.3	0.5	0.09	4	2	2	0.2	0.02	1	0.04	0.08	0.03	2	0.7	0.5	0.2
199-O1	Other -Not Specified	0.04	0.02	0.3	0.4	0.02	0.3	--	0.3	0.01	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.001	0.09	3	0.3	0.5	0.1	4	2	2	0.2	0.02	1	0.04	0.08	0.03	2	0.7	0.5	0.2
200-G1	Garden	0.1	0.02	0.4	0.4	0.02	0.7	--	0.5	0.02	0.02	0.002	0.04	0.04	0.002	0.07	--	0.05	0.002	0.2	3	0.5	0.5	0.1	4	2	2	0.2	0.03	1	0.05	0.08	0.03	2	0.7	0.5	0.2
200-H1	House	0.1	0.02	0.4	0.4	0.02	0.6	--	0.4	0.01	0.01	0.002	0.04	0.03	0.002	0.06	--	0.04	0.001	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.05	0.07	0.03	2	0.7	0.5	0.2
200-O1	Other -Not Specified	0.2	0.03	0.5	0.5	0.02	0.6	--	0.5	0.01	0.02	0.003	0.05	0.05	0.002	0.06	--	0.05	0.001	0.2	3	0.5	0.6	0.1	4	2	2	0.2	0.04	1	0.06	0.09	0.03	2	0.7	0.5	0.2

Table 5-21. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
201G[c]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.02	1	0.05	0.07	0.03	2	0.7	0.5	0.2
201-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.1	0.4	--	0.7	0.08	0.03	0.002	0.03	0.04	0.01	0.04	--	0.07	0.008	0.3	3	0.3	0.5	0.2	4	2	2	0.3	0.05	1	0.04	0.08	0.04	2	0.7	0.6	0.2
202-H1	House	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
202-N1	Animal Activity Area	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
202-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.02	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.002	0.02	--	0.04	0.004	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
203-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	3	0.2	0.4	0.09	4	2	1	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
203-O1[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	3	0.2	0.4	0.09	4	2	1	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
203-O2	Other -Not Specified	0.5	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.06	0.001	0.02	0.03	0.02	0.06	--	0.1	0.01	0.6	3	0.3	0.4	0.3	4	2	2	0.3	0.07	1	0.03	0.07	0.05	2	0.7	0.6	0.2
203-O3[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	3	0.2	0.4	0.09	4	2	1	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
203-O4[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.08	3	0.2	0.4	0.09	4	2	1	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
205-O1	Other -Not Specified	0.4	0.02	0.2	0.3	0.1	0.2	--	1	0.09	0.04	0.002	0.02	0.03	0.01	0.02	--	0.1	0.009	0.4	3	0.3	0.4	0.2	4	2	2	0.3	0.06	1	0.03	0.07	0.04	2	0.7	0.6	0.2
206-A1	Agriculture	0.1	0.06	0.4	0.3	0.05	0.5	--	0.5	0.05	0.02	0.005	0.04	0.03	0.005	0.04	--	0.05	0.005	0.2	3	0.4	0.4	0.1	4	2	2	0.2	0.03	1	0.05	0.07	0.03	2	0.7	0.5	0.2
206-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
206-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.08	3	0.2	0.4	0.09	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
206-H2	House	0.1	0.1	0.7	0.4	0.09	0.6	--	0.7	0.1	0.02	0.01	0.06	0.03	0.008	0.05	--	0.07	0.01	0.2	3	0.7	0.5	0.2	4	2	2	0.3	0.03	1	0.07	0.07	0.04	2	0.7	0.6	0.2
206-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.1	0.6	--	0.9	0.06	0.03	0.003	0.04	0.04	0.01	0.05	--	0.09	0.006	0.3	3	0.4	0.5	0.2	4	2	2	0.2	0.04	1	0.04	0.08	0.04	2	0.7	0.6	0.2
207-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.02	0.06	0.03	2	0.7	0.5	0.2
208AA	Animal Activity Area	0.2	0.02	0.2	0.2	0.05	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.005	0.2	3	0.3	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.04	2	0.7	0.5	0.2
208BM	House	0.2	0.02	0.4	0.3	0.03	0.5	--	0.6	0.03	0.02	0.002	0.04	0.03	0.003	0.04	--	0.06	0.003	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.04	1	0.05	0.07	0.03	2	0.7	0.6	0.2
208G	Garden	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.06	0.003	0.2	3	0.5	0.5	0.1	4	2	2	0.2	0.04	1	0.05	0.08	0.03	2	0.7	0.6	0.2
208-H1	House	0.3	0.01	0.2	0.3	0.1	0.6	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.06	--	0.08	0.007	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.03	0.06	0.04	2	0.7	0.6	0.2
209A	Agriculture	0.2	0.02	0.4	0.3	0.05	0.4	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.04	--	0.05	0.005	0.2	3	0.4	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
209-G1	Garden	0.2	0.01	0.2	0.3	0.08	0.6	--	0.7	0.09	0.03	0.001	0.02	0.02	0.008	0.05	--	0.07	0.009	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.04	1	0.03	0.07	0.04	2	0.7	0.6	0.2
209-H1	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.06	--	0.09	0.01	0.4	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
209-P1	Play Area	0.4	0.02	0.3	0.3	0.1	0.7	--	1	0.2	0.05	0.002	0.03	0.03	0.01	0.06	--	0.1	0.02	0.4	3	0.3	0.4	0.2	4	2	2	0.3	0.06	1	0.04	0.07	0.04	2	0.7	0.6	0.2
210-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.003	0.03	--	0.04	0.003	0.2	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
210-O1	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.01	0.02	0.004	0.03	--	0.04	0.004	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.02	0.06	0.03	2	0.7	0.5	0.2
211-A1	Garden	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
211-G1	Garden	0.1	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
211-G2	Garden	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
211-H1	House	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.002	0.04	--	0.04	0.003	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
211-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.004	0.03	--	0.05	0.005	0.1	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
212-H1	House	0.1	0.02	0.3	0.5	0.1	0.3	--	0.6	0.08	0.01	0.002	0.02	0.05	0.01	0.03	--	0.06	0.008	0.2	3	0.3	0.6	0.2	4	2	2	0.3	0.03	1	0.03	0.09	0.04	2	0.7	0.6	0.2
212-H2	House	0.1	0.01	0.2	0.4	0.05	0.2	--	0.4	0.05	0.02	0.001	0.02	0.03	0.005	0.02	--	0.04	0.005	0.2	3	0.2	0.5	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
213-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.02	0.6	--	0.5	0.01	0.02	0.003	0.04	0.03	0.002	0.06	--	0.04	0.001	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.05	0.07	0.03	2	0.7	0.5	0.2
213-O2	Other -Not Specified	0.2	0.03	0.4	0.3	0.04	0.6	--	0.7	0.02	0.02	0.002	0.04	0.03	0.004	0.05	--	0.07	0.002	0.2	3	0.4	0.4	0.1	4	2	2	0.2	0.04	1	0.05	0.07	0.03	2	0.7	0.6	0.2
213-O3	Other -Not Specified	0.1	0.02	0.4	0.4	0.03	0.3	--	0.5	0.02	0.02	0.002	0.03	0.04	0.003	0.03	--	0.05	0.002	0.2	3	0.4	0.6	0.1	4	2	2	0.2	0.03	1	0.04	0.08	0.03	2	0.7	0.5	0.2
21G	Garden	0.3	0.02	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	0.002	0.02	0.02	0.01	0.05	--	0.08	0.009	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.03	0.06	0.04	2	0.7	0.6	0.2
226C	House	0.3	0.01	0.2	0.2	0.1	0.3	--	0.9	0.06	0.03	0.001	0.02	0.02	0.01	0.03	--	0.09	0.006	0.3	3	0.2	0.3	0.2	4	2	2	0.2	0.04	1	0.03	0.06	0.04	2	0.7	0.6	0.2
230G	Garden	0.1	0.02	0.2	0.3	0.03	0.2	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.02	--	0.04	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
231Lower	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.03	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.03	0.07	0.03	2	0.7	0.5	0.2
238G	Garden	0.08	0.02	0.2	0.2	0.01	0.3	--	0.3	0.01	0.009	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	3	0.2	0.3	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
238M	Other -Not Specified	0.07	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.008	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.1	3	0.3	0.4	0.09	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
280yard	House	0.2	0.02	0.3	0.3	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008	0.3	3	0.4	0.4	0.2	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
284M	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
285M	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.4	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.04	--	0.05	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
288G1	Garden	0.1	0.02	0.3	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
288G2	Garden	0.08	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.002	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.02	1	0.03	0.07	0.03	2	0.7	0.5	0.2
289G3	Garden	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002	0.1	3	0.3	0.3	0.1	4	2	2	0.2	0.02	1	0.03	0.06	0.03	2	0.7	0.5	0.2
317M	Play Area	0.6	0.02	0.4	0.3	0.1	0.4	--	1	0.2	0.06	0.002	0.03	0.03	0.01	0.04	--	0.1	0.02	0.6	3	0.4	0.4	0.2	4	2	3	0.4	0.08	1	0.04	0.07	0.04	2	0.7	0.6	0.2
319M[c]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.02	1	0.05	0.07	0.03	2	0.7	0.5	0.2
320new	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.4	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.09	0.01	0.4	3	0.4	0.4	0.2	4	2	2	0.3	0.06	1	0.04	0.07	0.04	2	0.7	0.6	0.2
35PA[c]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.02	1	0.05	0.07	0.03	2	0.7	0.5	0.2
59A	House	0.3	0.01	0.2	0.2	0.1	0.4	--	0.7	0.1	0.04	0.001	0.02	0.02	0.01	0.04	--	0.07	0.01	0.4	3	0.2	0.3	0.2	4	2	2	0.3	0.05	1	0.03	0.06	0.04	2	0.7	0.6	0.2
62G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.002	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
72M	Agriculture	0.3	0.03	0.3	0.3	0.09	0.5	--	0.6	0.07	0.03	0.002	0.03	0.03	0.008	0.04	--	0.06	0.007	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
72U	Other -Not Specified	0.2	0.04	0.4	0.4	0.04	0.5	--	0.6	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.06	0.003	0.2	3	0.5	0.5	0.1	4	2	2	0.2	0.04	1	0.05	0.08	0.03	2	0.7	0.6	0.2
94M	Agriculture	0.1	0.02	0.3	0.3	0.03	0.3	--	0.5	0.02	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.002	0.2	3	0.4	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
999G1	Garden	0.2	0.03	0.3	0.3	0.03	0.5	--	0.4	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
999M1	House	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.05	--	0.04	0.003	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.05	0.07	0.03	2	0.7	0.5	0.2
999M2	Garden	0.1	0.03	0.5	0.4	0.02	0.5	--	0.4	0.01	0.01	0.003	0.04	0.04	0.002	0.05	--	0.04	0.001	0.1	3	0.5	0.5	0.1	4	2	2	0.2	0.03	1	0.05	0.08	0.03	2	0.7	0.5	0.2
999M3	Other -Not Specified	0.2	0.05	0.7	0.6	0.06	1	--	0.8	0.06	0.02	0.004	0.06	0.06	0.006	0.09	--	0.08	0.006	0.2	3	0.7	0.7	0.1	4	2	2	0.2	0.04	1	0.07	0.1	0.04	2	0.7	0.6	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-22. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
Indoor Air		--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																			
Outdoor Air		--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02		**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Walleye)		0.9	2	0.9	0.02	0.09	2	0.6	4	--	0.4	0.6	0.3	0.006	0.03	0.7	0.2	1	--																			
Residential Soil/Dust[a]		**Number of DUs that exeed benchmark[c] for Soil/Dust:**									**Number of DUs that exeed benchmark[c] for Soil/Dust:**																													
DU	DU Type	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		2	588	9	0	0	588	0	588	0	0	0	0	0	0	0	0	1	0
7[b]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
9	Agriculture	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
13	Other -Not Specified	0.2	0.02	0.3	0.3	0.03	0.6	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
14	Garden	0.2	0.02	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
15	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.02	0.002	0.03	0.02	0.004	0.04	--	0.05	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
16	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.05	--	0.09	0.01		1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
17	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.005		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
18[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
20[b]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
21	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.02	0.02	0.002	0.03	0.02	0.004	0.04	--	0.04	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
22	House	0.3	0.02	0.3	0.3	0.05	0.4	--	0.6	0.04	0.03	0.001	0.02	0.02	0.004	0.04	--	0.06	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
25	House	0.1	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
27	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
28	Garden	0.07	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
29	Other -Not Specified	0.09	0.02	0.3	0.3	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
30	Other -Not Specified	0.2	0.02	0.4	0.3	0.02	0.5	--	0.4	0.01	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.001		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
31	Other -Not Specified	0.2	0.02	0.4	0.3	0.07	0.8	--	0.7	0.07	0.02	0.002	0.03	0.03	0.007	0.07	--	0.07	0.007		1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
33	House	0.2	0.02	0.2	0.2	0.1	0.5	--	0.6	0.05	0.02	0.002	0.02	0.02	0.009	0.04	--	0.06	0.005		1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
35[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
39[b]	Agriculture	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
40[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
42	House	0.09	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.04	0.004		1	2	1	0.2	0.2	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
44	Agriculture	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003		1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
46	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005		1	2	1	0.2	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
47	Agriculture	0.1	0.01	0.2	0.3	0.07	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.007	0.04	--	0.05	0.005		1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
49[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
55	House	0.09	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
56	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.006		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
58	Agriculture	0.09	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
59	House	0.2	0.01	0.1	0.2	0.09	0.3	--	0.5	0.07	0.02	0.0009	0.01	0.02	0.009	0.03	--	0.05	0.007		1	2	1	0.2	0.2	2	0.6	4	0.3	0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
60	Garden	0.1	0.02	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
61	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.004		1	2	1	0.2	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
62	House	0.1	0.02	0.3	0.3	0.03	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
66	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.5	--	0.6	0.04	0.02	0.001	0.02	0.03	0.007	0.04	--	0.06	0.004		1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
67	Garden	0.2	0.02	0.3	0.3	0.09	0.5	--	0.6	0.05	0.03	0.002	0.02	0.03	0.008	0.05	--	0.06	0.005		1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
70	House	0.2	0.03	0.3	0.3	0.08	0.4	--	0.6	0.06	0.02	0.003	0.03	0.03	0.008	0.04	--	0.06	0.006		1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
71	Garden	0.2	0.03	0.3	0.3	0.06	0.4	--	0.5	0.04	0.03	0.003	0.03	0.03	0.005	0.04	--	0.05	0.004		1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
72	Garden	0.2	0.04	0.4	0.4	0.08	0.4	--	0.7	0.08	0.03	0.004	0.04	0.04	0.008	0.03	--	0.07	0.008		1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
75	House	0.3	0.02	0.3	0.3	0.2	0.7	--	0.9	0.1	0.03	0.001	0.03	0.03	0.02	0.06	--	0.09	0.01		1	2	1	0.3	0.3	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.06	1	0.2	1	0.2
82	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
85	House	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
86	Agriculture	0.1	0.02	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.003		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
87	Agriculture	0.09	0.02	0.2	0.2	0.03	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
106	House	0.4	0.02	0.2	0.3	0.1	0.6	--	0.8	0.07	0.04	0.001	0.02	0.02	0.01	0.05	--	0.08	0.007		1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
107	Garden	0.3	0.02	0.3	0.3	0.09	0.6	--	0.6	0.05	0.03	0.002	0.03	0.03	0.008	0.06	--	0.06	0.005		1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
108	Garden	0.3	0.03	0.3	0.3	0.07	0.5	--	0.6	0.05	0.04	0.003	0.02	0.03	0.007	0.04	--	0.06	0.005		1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
109[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
110	House	0.1	0.01	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002		1	2	1	0.2	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
111	Other -Not Specified	0.1	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002		1	2	1	0.2	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
112	House	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.06	0.002	0.03	0.02	0.01	0.05	--	0.1	0.01		1	2	1	0.3	0.2	3	0.6	5	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
121	House	0.2	0.03	0.5	0.4	0.04	0.8	--	0.7	0.06	0.02	0.003	0.05	0.04	0.004	0.08	--	0.07	0.006		1	2	1	0.4	0.1	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
122	Other -Not Specified	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.03	0.003	0.04	0.04	0.003	0.06	--	0.06	0.003		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
123	House	0.3	0.02	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	0.002	0.03	0.02	0.01	0.05	--	0.08	0.01		1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
135	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.004		1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
146	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.002	0.05	--	0.05	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
147	Garden	0.09	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.001	0.03	--	0.03	0.001		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
151[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
152	Other -Not Specified	0.2	0.02	0.4	0.3	0.05	0.4	--	0.6	0.07	0.02	0.002	0.03	0.03	0.004	0.04	--	0.06	0.007		1	2	1	0.3	0.1	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
154	House	0.06	0.01	0.1	0.2	0.02	0.2	--	0.2	0.02	0.007	0.001	0.01	0.02	0.002	0.02	--	0.02	0.002		1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
160	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.05	0.02	0.002	0.03	0.02	0.004	0.05	--	0.05	0.005		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
163	House	0.2	0.02	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.04	--	0.05	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2

Table 5-22. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																						
164	Agriculture	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
167	Agriculture	0.1	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
168	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.009	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
169	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.6	--	0.7	0.07	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.007	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
170[b]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
175	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.02	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004	1	2	1	0.2	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
177	Agriculture	0.3	0.01	0.2	0.2	0.05	0.3	--	0.6	0.05	0.03	0.001	0.02	0.02	0.004	0.03	--	0.06	0.005	1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
185	House	0.3	0.02	0.4	0.3	0.06	0.4	--	0.7	0.05	0.03	0.002	0.04	0.03	0.006	0.04	--	0.07	0.005	1	2	1	0.4	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
186	House	0.2	0.02	0.3	0.2	0.06	0.3	--	0.6	0.06	0.02	0.002	0.02	0.02	0.005	0.03	--	0.06	0.006	1	2	1	0.3	0.1	2	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
189	House	0.2	0.02	0.3	0.3	0.05	0.5	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.05	--	0.06	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
192	House	0.2	0.03	0.4	0.3	0.06	0.4	--	0.7	0.06	0.02	0.003	0.04	0.03	0.006	0.04	--	0.07	0.006	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
193	House	0.2	0.01	0.2	0.3	0.08	0.3	--	0.6	0.04	0.02	0.001	0.02	0.03	0.008	0.03	--	0.06	0.004	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
194[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
196[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
201	House	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
203[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
206	House	0.1	0.02	0.3	0.2	0.05	0.3	--	0.5	0.04	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.004	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
208	Other -Not Specified	0.2	0.02	0.4	0.3	0.1	0.4	--	0.6	0.05	0.02	0.002	0.03	0.03	0.01	0.04	--	0.06	0.005	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
213	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.4	--	0.8	0.09	0.04	0.002	0.02	0.02	0.01	0.04	--	0.08	0.009	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
216	House	0.3	0.01	0.2	0.3	0.1	0.4	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.04	--	0.07	0.007	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
218[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
229	Play Area	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
231	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
246	Play Area	0.05	0.02	0.2	0.2	0.01	0.2	--	0.2	0.01	0.006	0.002	0.02	0.02	0.001	0.02	--	0.02	0.001	1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
249	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
250	House	0.2	0.01	0.2	0.2	0.05	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.005	0.03	--	0.04	0.003	1	2	1	0.2	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
253	House	0.1	0.01	0.2	0.2	0.03	0.2	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
280	Other -Not Specified	0.3	0.02	0.4	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.009	0.05	--	0.07	0.009	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
287	Agriculture	0.1	0.02	0.3	0.3	0.09	0.6	--	0.6	0.06	0.02	0.001	0.03	0.03	0.008	0.06	--	0.06	0.006	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
288	House	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002	1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
291	Agriculture	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002	1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
306	Other -Not Specified	0.1	0.01	0.2	0.2	0.02	0.2	--	0.4	0.02	0.01	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
315	House	0.1	0.02	0.3	0.3	0.01	0.3	--	0.4	0.01	0.01	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
316	Other -Not Specified	0.1	0.02	0.3	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
317	House	0.3	0.03	0.4	0.3	0.06	0.4	--	0.8	0.07	0.03	0.002	0.03	0.03	0.006	0.03	--	0.08	0.007	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
318	Other -Not Specified	0.4	0.02	0.3	0.3	0.1	0.4	--	1	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.1	0.01	1	2	1	0.3	0.2	3	0.6	5	0.3	0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
319	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.5	--	1	0.2	0.04	0.002	0.03	0.03	0.01	0.05	--	0.1	0.02	1	2	1	0.4	0.2	3	0.6	5	0.4	0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
325	Garden	0.1	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
326	Other -Not Specified	0.08	0.02	0.2	0.2	0.02	0.2	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
327	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
345	Play Area	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
346	Garden	0.2	0.02	0.3	0.3	0.07	0.5	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
347	Other -Not Specified	0.2	0.01	0.3	0.2	0.09	0.4	--	0.7	0.09	0.02	0.001	0.02	0.02	0.009	0.04	--	0.07	0.009	1	2	1	0.2	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
801	Other -Not Specified	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.06	0.03	0.001	0.01	0.03	0.009	0.02	--	0.07	0.006	1	2	1	0.3	0.2	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
1001	Other -Not Specified	0.3	0.01	0.2	0.4	0.1	0.2	--	0.8	0.1	0.03	0.001	0.02	0.03	0.01	0.02	--	0.08	0.01	1	2	1	0.4	0.2	2	0.6	4	0.3	0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
1005	Garden	0.2	0.02	0.3	0.3	0.05	0.3	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
1006	House	0.1	0.03	0.3	0.3	0.03	0.3	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.03	--	0.04	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
1007	Garden	0.08	0.03	0.3	0.3	0.02	0.3	--	0.4	0.02	0.009	0.003	0.02	0.03	0.002	0.03	--	0.03	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
1008	Agriculture	0.09	0.03	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.003	0.02	0.02	0.004	0.03	--	0.04	0.004	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
1010	Agriculture	0.1	0.03	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004	1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
1011	Agriculture	0.2	0.02	0.1	0.2	0.06	0.2	--	0.4	0.05	0.02	0.001	0.01	0.01	0.006	0.02	--	0.04	0.005	1	2	1	0.2	0.2	2	0.6	4	0.2	0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
1015	Garden	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
1017	Garden	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
1018	Garden	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
1020	Garden	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.05	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
1021[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
1030[b]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
1035	Garden	0.2	0.03	0.3	0.3	0.05	0.5	--	0.5	0.04	0.02	0.003	0.03	0.03	0.005	0.05	--	0.05	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
1036	Play Area	0.1	0.02	0.3	0.3	0.03	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
1037	Garden	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
1060	House	0.1	0.02	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
3000	House	0.05	0.02	0.2	0.2	0.01	0.2	--	0.3	0.008	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
3001	Garden	0.3	0.04	0.5	0.5	0.1	0.5	--	1	0.07	0.04	0.003	0.05	0.05	0.01	0.04	--	0.1	0.008	1	2	1	0.5	0.2	3	0.6	5	0.3	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
3003	Other -Not Specified	0.4	0.02	0.4	0.4	0.09	0.4	--	0.9	0.08	0.04	0.002	0.03	0.04	0.008	0.04	--	0.09	0.009	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
3004	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
075-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2

Table 5-22. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
DU	DU Type																																						
075-H1	House	0.1	0.02	0.2	0.3	0.05	0.5	--	0.5	0.05	0.01	0.0001	0.02	0.02	0.005	0.04	--	0.05	0.005		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
075-O1	Other -Not Specified	0.1	0.02	0.2	0.6	0.08	0.3	--	0.6	0.09	0.02	0.0002	0.02	0.05	0.007	0.03	--	0.06	0.009		1	2	1	0.6	0.2	2	0.6	4	0.3	0.4	0.6	0.4	0.06	0.04	1	0.2	1	0.2
076-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
076-G2	Garden	0.2	0.02	0.3	0.4	0.06	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.005		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
076-H1	House	0.1	0.02	0.3	0.3	0.04	0.7	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.005		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
076-H2	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
076-N1	Animal Activity Area	0.2	0.02	0.3	0.4	0.1	0.6	--	0.5	0.04	0.02	0.002	0.03	0.03	0.009	0.05	--	0.05	0.004		1	2	1	0.4	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
077-A1	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
077-A2	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001		1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
077-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
077-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001		1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
077-H2	House	0.04	0.01	0.2	0.2	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001		1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
077-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
078-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.02	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
078-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.009	0.004	0.001	0.01	0.02	0.0006	0.02	--	0.02	0.0009		1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
078-N1	Animal Activity Area	0.04	0.01	0.2	0.2	0.009	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.001		1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
078-O1	Other -Not Specified	0.04	0.01	0.2	0.3	0.008	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.0008	0.03	--	0.02	0.001		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
079-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
079-H2	House	0.2	0.02	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.05	--	0.05	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
080-H1	House	0.1	0.04	0.5	0.4	0.02	0.5	--	0.5	0.01	0.02	0.004	0.05	0.03	0.001	0.04	--	0.05	0.001		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
081-A1	Agriculture	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
081-H1	House	0.09	0.03	0.4	0.3	0.02	0.4	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.04	--	0.04	0.003		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
081-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.05	0.5	--	0.5	0.06	0.01	0.002	0.04	0.04	0.005	0.05	--	0.05	0.006		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
082-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.009	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.0009		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
082-G2	Garden	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
082-H1	House	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002		1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
082-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
082-N2	Animal Activity Area	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
083-G1	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
083-G2	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
083-H1	House	0.08	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
084-H1	House	0.04	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.005	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
085-H1	House	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
085-O1	Other -Not Specified	0.1	0.02	0.4	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.005	0.04	--	0.04	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
085-P1	Play Area	0.2	0.03	0.3	0.3	0.06	0.7	--	0.6	0.06	0.02	0.003	0.03	0.03	0.005	0.07	--	0.06	0.006		1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
086-G1	Garden	0.09	0.01	0.2	0.3	0.03	0.5	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
086-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
086-H2	House	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
087-H1	House	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
087-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.005		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
088-H1	House	0.2	0.02	0.3	0.3	0.08	0.7	--	0.8	0.08	0.03	0.002	0.03	0.03	0.007	0.06	--	0.08	0.008		1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
088-H2	House	0.1	0.01	0.2	0.2	0.05	0.4	--	0.5	0.06	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.006		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
088-O1	Other -Not Specified	0.2	0.01	0.2	0.3	0.06	0.7	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.06	--	0.06	0.006		1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
089-A1	Agriculture	0.1	0.02	0.3	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
089-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.004		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
089-O1	Other -Not Specified	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
090-H1	House	0.05	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.006	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
090-O2	Other -Not Specified	0.06	0.02	0.3	0.4	0.04	0.5	--	0.5	0.02	0.007	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
091-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.003		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
091-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
092-O1	Other -Not Specified	0.08	0.02	0.2	0.2	0.07	0.3	--	0.5	0.06	0.01	0.001	0.02	0.02	0.007	0.02	--	0.05	0.006		1	2	1	0.2	0.2	2	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
092-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004		1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
093-H1	House	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
094-H1	House	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
094-P1	Play Area	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.06	--	0.05	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
095-A1	Agriculture	0.2	0.01	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.007	0.06	--	0.06	0.007		1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
095-H1	House	0.2	0.02	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.02	0.03	0.005	0.05	--	0.06	0.005		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
095-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.07	0.5	--	0.5	0.06	0.02	0.001	0.02	0.03	0.006	0.05	--	0.05	0.006		1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
095-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.008	0.06	--	0.06	0.007		1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
096-H1	House	0.2	0.02	0.3	0.3	0.08	0.5	--	0.6	0.07	0.02	0.002	0.03	0.03	0.007	0.05	--	0.06	0.007		1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
096-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.09	0.5	--	0.9	0.1	0.03	0.002	0.03	0.03	0.008	0.05	--	0.09	0.01		1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
097-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.03	--	0.05	0.004		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
097-H2	House	0.08	0.02	0.2	0.3	0.03	0.2	--	0.6	0.04	0.009	0.002	0.02	0.03	0.003	0.02	--	0.05	0.004		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
098-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
098-H1	House	0.03	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.004	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
098-O1	Other -Not Specified	0.03	0.01	0.2	0.3	0.01	0.3	--	0.3	0.008	0.004	0.001	0.02	0.03	0.001	0.02	--	0.03	0.0008		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
099-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2

Table 5-22. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	
		Child									Adult										Child									Adult								
DU	DU Type																																					
099-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.4	--	0.3	0.03	0.01	0.0001	0.02	0.02	0.003	0.04	--	0.03	0.003		1	2	1	0.2	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
099-H1	House	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.05	0.01	0.0001	0.02	0.02	0.005	0.03	--	0.04	0.005		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
099-O1	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.5	0.05	0.01	0.0001	0.02	0.02	0.005	0.03	--	0.05	0.005		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
100-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.4	--	0.5	0.02	0.008	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002		1	2	1	0.4	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
100-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.006		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
100-N1	Animal Activity Area	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
100-N2	Animal Activity Area	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003		1	2	1	0.4	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
100-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.03	--	0.04	0.004		1	2	1	0.2	0.2	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
101-G1	Garden	0.09	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
101-H1	House	0.08	0.02	0.2	0.3	0.05	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.005		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
101-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.07	0.02	0.002	0.03	0.03	0.006	0.05	--	0.05	0.007		1	2	1	0.3	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
102-G1	Garden	0.09	0.02	0.4	0.4	0.03	0.6	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002		1	2	1	0.4	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
102-H1	House	0.07	0.03	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
103-H1	House	0.1	0.01	0.2	0.3	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
103-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.04	--	0.04	0.004		1	2	1	0.2	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
104-H1	House	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.05	0.03	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
104-H2	House	0.2	0.01	0.2	0.3	0.04	0.4	--	0.6	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.06	0.005		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
104-N1	Animal Activity Area	0.2	0.01	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.004	0.04	--	0.05	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
105-H1	House	0.1	0.01	0.1	0.2	0.04	0.3	--	0.3	0.03	0.01	0.0009	0.01	0.02	0.004	0.03	--	0.03	0.003		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
105-P1	Play Area	0.1	0.007	0.1	0.1	0.09	0.3	--	0.4	0.04	0.01	0.0007	0.009	0.01	0.009	0.02	--	0.04	0.004		1	2	1	0.2	0.2	2	0.6	4	0.2		0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
106-G1	Garden	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.006	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
106-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
106-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.002	0.02	0.03	0.001	0.03	--	0.02	0.001		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
106-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.01	0.3	--	0.3	0.008	0.006	0.002	0.02	0.03	0.001	0.03	--	0.03	0.0008		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
107-H1	House	0.08	0.01	0.2	0.2	0.09	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.009	0.04	--	0.05	0.005		1	2	1	0.3	0.2	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
108-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.03	--	0.04	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
108-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.005		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
108-O2	Other -Not Specified	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.04	--	0.03	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
109-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
110-A1	Agriculture	0.1	0.01	0.3	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.05	--	0.05	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
110G	Garden	0.1	0.02	0.2	0.2	0.02	0.4	--	0.3	0.01	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001		1	2	1	0.2	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
110-G1	Garden	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.05	--	0.04	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
110-G2	Garden	0.06	0.01	0.2	0.3	0.02	0.5	--	0.3	0.01	0.007	0.001	0.02	0.03	0.002	0.05	--	0.03	0.001		1	2	1	0.4	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
110-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
110-O1	Other -Not Specified	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
110-O2	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.01	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
111-H1	House	0.07	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
112G	Garden	0.3	0.03	0.3	0.3	0.1	0.6	--	0.7	0.06	0.04	0.002	0.03	0.02	0.01	0.05	--	0.07	0.006		1	2	1	0.3	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
112-G1	Garden	0.2	0.04	0.3	0.3	0.06	0.4	--	0.5	0.06	0.02	0.004	0.03	0.03	0.006	0.03	--	0.05	0.006		1	2	1	0.3	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
112-H1	House	0.2	0.04	0.3	0.3	0.05	0.3	--	0.4	0.06	0.02	0.003	0.03	0.03	0.005	0.03	--	0.04	0.006		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
112-O1	Other -Not Specified	0.3	0.03	0.3	0.3	0.1	0.4	--	0.7	0.1	0.03	0.003	0.03	0.03	0.01	0.04	--	0.07	0.01		1	2	1	0.3	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
113-G1	Garden	0.2	0.02	0.3	0.4	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008		1	2	1	0.4	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
113-G2	Garden	0.2	0.02	0.3	0.4	0.1	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.008		1	2	1	0.4	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
113-G3	Garden	0.1	0.02	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
113low	Other -Not Specified	0.3	0.02	0.3	0.3	0.08	0.6	--	0.8	0.08	0.03	0.002	0.03	0.03	0.008	0.06	--	0.08	0.008		1	2	1	0.3	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
113-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.006	0.04	--	0.05	0.006		1	2	1	0.3	0.2	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
113up	Other -Not Specified	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.05	0.001	0.02	0.02	0.01	0.06	--	0.1	0.01		1	2	1	0.3	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
114-G1	Garden	0.1	0.02	0.2	0.4	0.05	0.2	--	0.5	0.09	0.02	0.001	0.02	0.04	0.005	0.02	--	0.05	0.01		1	2	1	0.4	0.1	2	0.6	4	0.3		0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
114-H1	House	0.2	0.02	0.2	0.5	0.08	0.3	--	0.6	0.1	0.02	0.002	0.02	0.05	0.008	0.03	--	0.06	0.01		1	2	1	0.5	0.2	2	0.6	4	0.3		0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
114-O1	Other -Not Specified	0.1	0.02	0.2	0.5	0.07	0.3	--	0.6	0.09	0.02	0.002	0.02	0.05	0.007	0.03	--	0.06	0.01		1	2	1	0.5	0.2	2	0.6	4	0.3		0.4	0.6	0.4	0.06	0.04	1	0.2	1	0.2
115-O1	Other -Not Specified	0.5	0.03	0.4	0.4	0.1	0.4	--	1	0.06	0.06	0.002	0.03	0.04	0.01	0.03	--	0.1	0.007		1	2	1	0.4	0.2	3	0.6	5	0.3		0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
115SP	Other -Not Specified	0.4	0.02	0.3	0.3	0.2	0.5	--	1	0.1	0.04	0.002	0.02	0.03	0.02	0.05	--	0.1	0.01		1	2	1	0.3	0.3	3	0.6	5	0.3		0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
116M	House	0.2	0.02	0.2	0.4	0.2	0.2	--	0.7	0.08	0.03	0.001	0.02	0.04	0.02	0.02	--	0.07	0.008		1	2	1	0.4	0.3	2	0.6	4	0.3		0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
116-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.008	0.002	0.02	0.03	0.004	0.05	--	0.04	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
117-O1	Other -Not Specified	0.1	0.04	0.4	0.5	0.01	0.5	--	0.4	0.006	0.02	0.003	0.04	0.04	0.001	0.04	--	0.04	0.0006		1	2	1	0.5	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
118-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.5	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.05	--	0.03	0.001		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
118-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.4	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.04	--	0.02	0.001		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
118-H1	House	0.04	0.01	0.2	0.3	0.01	0.4	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.04	--	0.03	0.001		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
118-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.03	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
118-N2	Animal Activity Area	0.09	0.01	0.2	0.2	0.04	0.6	--	0.3	0.03	0.01	0.001	0.02	0.02	0.004	0.06	--	0.03	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
119-P1	Play Area	0.3	0.01	0.3	0.3	0.1	0.7	--	0.8	0.09	0.04	0.001	0.02	0.03	0.01	0.07	--	0.09	0.009		1	2	1	0.3	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
120-A1	Agriculture	0.08	0.03	0.2	0.2	0.03	0.3	--	0.3	0.03	0.009	0.003	0.02	0.02	0.003	0.02	--	0.03	0.003		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
120-G1	Garden	0.08	0.03	0.1	0.1	0.04	0.2	--	0.2	0.04	0.009	0.002	0.01	0.01	0.004	0.02	--	0.02	0.004		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
120-H1	House	0.09	0.02	0.2	0.2	0.04	0.2	--	0.3	0.03	0.01	0.002	0.01	0.02	0.004	0.02	--	0.03	0.003		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
120-O1	Other -Not Specified	0.1	0.04	0.2	0.2	0.05	0.3	--	0.3	0.04	0.01	0.004	0.02	0.02	0.005	0.03	--	0.03	0.004		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
121-G1	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.009	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2

Table 5-22. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																					
121-H1	House	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
121-N1	Animal Activity Area	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
121-N2	Animal Activity Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.003	0.04	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
122-G1	Garden	0.07	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
122-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
122-H1	House	0.08	0.02	0.3	0.3	0.04	0.5	--	0.4	0.05	0.009	0.001	0.02	0.03	0.004	0.04	--	0.04	0.005		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
122-H2	House	0.06	0.01	0.2	0.3	0.03	0.4	--	0.3	0.03	0.007	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
122-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.06	0.5	--	0.5	0.06	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.006		1	2	1	0.3	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
122-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.1	0.5	--	0.7	0.1	0.02	0.001	0.02	0.03	0.009	0.04	--	0.07	0.01		1	2	1	0.3	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
122-P1	Play Area	0.1	0.02	0.2	0.3	0.1	0.6	--	0.7	0.1	0.02	0.001	0.02	0.03	0.01	0.05	--	0.07	0.01		1	2	1	0.3	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
123-G1	Garden	0.2	0.02	0.3	0.4	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004		1	2	1	0.4	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
123-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
123-H1	House	0.1	0.03	0.3	0.4	0.04	0.7	--	0.4	0.03	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.003		1	2	1	0.4	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
123-O1	Other -Not Specified	0.1	0.02	0.3	0.4	0.03	0.7	--	0.5	0.04	0.01	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004		1	2	1	0.4	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
123-O2	Other -Not Specified	0.2	0.02	0.3	0.4	0.1	0.7	--	0.6	0.1	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.01		1	2	1	0.4	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
124-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.007	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
124-G2	Garden	0.2	0.05	0.6	0.4	0.05	0.5	--	0.7	0.05	0.02	0.005	0.06	0.04	0.005	0.05	--	0.07	0.005		1	2	2	0.5	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
124-H1	House	0.1	0.04	0.5	0.5	0.02	0.5	--	0.5	0.03	0.01	0.004	0.05	0.05	0.002	0.05	--	0.05	0.003		1	2	1	0.5	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
124-N1	Animal Activity Area	0.07	0.03	0.3	0.2	0.02	0.2	--	0.3	0.02	0.008	0.003	0.03	0.02	0.002	0.02	--	0.03	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
124-N2	Animal Activity Area	0.04	0.02	0.2	0.3	0.005	0.3	--	0.3	0.004	0.005	0.002	0.02	0.03	0.0005	0.03	--	0.02	0.0004		1	2	1	0.4	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
124-O1	Other -Not Specified	0.1	0.05	0.6	0.5	0.04	0.6	--	0.6	0.05	0.02	0.004	0.05	0.05	0.004	0.05	--	0.06	0.005		1	2	1	0.5	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
125-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.3	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.04	0.003		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
126-A1	Agriculture	0.07	0.01	0.1	0.2	0.03	0.3	--	0.3	0.03	0.009	0.001	0.01	0.02	0.003	0.03	--	0.03	0.003		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
126-G1	Garden	0.09	0.02	0.2	0.3	0.02	0.3	--	0.4	0.01	0.01	0.001	0.02	0.03	0.002	0.03	--	0.04	0.001		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
126-G2	Garden	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
126-H1	House	0.04	0.01	0.1	0.2	0.01	0.2	--	0.2	0.01	0.005	0.0009	0.01	0.02	0.001	0.02	--	0.02	0.001		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
126-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.01	0.02	0.002	0.03	--	0.03	0.002		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
126-O2	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.2	--	0.2	0.01	0.006	0.0009	0.01	0.02	0.002	0.02	--	0.02	0.001		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
126-O3	Other -Not Specified	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.001	0.02	0.03	0.002	0.03	--	0.04	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
126-P1	Play Area	0.06	0.009	0.1	0.2	0.02	0.2	--	0.3	0.01	0.007	0.0008	0.01	0.02	0.002	0.01	--	0.03	0.001		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
127-A1	Agriculture	0.1	0.02	0.2	0.3	0.08	0.6	--	0.5	0.05	0.02	0.001	0.02	0.03	0.007	0.05	--	0.05	0.005		1	2	1	0.3	0.2	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
127-G1	Garden	0.07	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
127-G2	Garden	0.09	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
127-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
127-H2	House	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
127-N1	Animal Activity Area	0.09	0.01	0.2	0.3	0.06	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
128-G1	Garden	0.2	0.04	0.4	0.4	0.03	0.5	--	0.5	0.02	0.02	0.004	0.04	0.04	0.002	0.04	--	0.05	0.002		1	2	1	0.4	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
128-G2	Garden	0.2	0.06	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.005	0.03	0.03	0.003	0.04	--	0.05	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
128-G3	Garden	0.1	0.03	0.3	0.4	0.02	0.5	--	0.5	0.02	0.01	0.002	0.03	0.04	0.002	0.05	--	0.04	0.002		1	2	1	0.4	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
128-N1	Animal Activity Area	0.2	0.03	0.3	0.4	0.05	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.004		1	2	1	0.4	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
128-O1	Other -Not Specified	0.1	0.05	0.3	0.4	0.03	0.5	--	0.5	0.03	0.02	0.005	0.03	0.03	0.003	0.05	--	0.05	0.003		1	2	1	0.4	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
129-H1	House	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.07	0.02	0.001	0.02	0.03	0.01	0.02	--	0.07	0.007		1	2	1	0.3	0.2	2	0.6	4	0.3		0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
129-H2	House	0.2	0.01	0.2	0.2	0.1	0.3	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.03	--	0.06	0.008		1	2	1	0.3	0.2	2	0.6	4	0.3		0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
130-G1	Garden	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.02	0.001		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
130-H1	House	0.03	0.01	0.2	0.3	0.009	0.2	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
130-H2	House	0.07	0.02	0.2	0.3	0.02	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.04	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
131-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.5	0.05	0.01	0.002	0.02	0.03	0.003	0.03	--	0.05	0.005		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
132-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.2	--	0.3	0.009	0.005	0.001	0.02	0.03	0.001	0.02	--	0.02	0.0009		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
132-G2	Garden	0.04	0.02	0.2	0.3	0.005	0.3	--	0.2	0.004	0.004	0.001	0.02	0.03	0.0005	0.03	--	0.02	0.0004		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
132-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
132-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.006	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
133-G1	Garden	0.2	0.02	0.2	0.3	0.07	0.5	--	0.6	0.06	0.02	0.002	0.02	0.03	0.007	0.04	--	0.05	0.006		1	2	1	0.3	0.2	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
133-H1	House	0.1	0.05	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.005	0.02	0.03	0.003	0.03	--	0.04	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
134-O1	Other -Not Specified	0.4	0.01	0.2	0.3	0.2	0.4	--	1	0.1	0.05	0.001	0.02	0.03	0.02	0.04	--	0.1	0.01		1	2	1	0.3	0.3	3	0.6	5	0.3		0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
135-G1	Garden	0.2	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.05	--	0.05	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
135-H1	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.6	0.05	0.02	0.002	0.02	0.03	0.004	0.05	--	0.06	0.005		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
135-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.06	--	0.05	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
136-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
136-G1	Garden	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
136-H1	House	0.06	0.02	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
136-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.07	0.01	0.001	0.01	0.02	0.007	0.03	--	0.04	0.007		1	2	1	0.2	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
137-O1	Other -Not Specified	0.07	0.01	0.1	0.2	0.07	0.3	--	0.4	0.07	0.008	0.0009	0.01	0.02	0.006	0.03	--	0.04	0.007		1	2	1	0.2	0.2	2	0.6	4	0.3		0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
137-O2	Other -Not Specified	0.08	0.01	0.2	0.2	0.05	0.3	--	0.4	0.06	0.009	0.001	0.02	0.02	0.005	0.03	--	0.04	0.006		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
138-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
138-G2	Garden	0.08	0.03	0.3	0.3	0.04	0.4	--	0.3	0.03	0.009	0.003	0.03	0.03	0.004	0.04	--	0.03	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
138-H1	House	0.09	0.03	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.002		1	2	1	0.4	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
138-O1	Other -Not Specified	0.06	0.02	0.3	0.4	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.04	0.002	0.04	--	0.03	0.002		1	2	1	0.4	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2

Table 5-22. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																		
138-O2	Other -Not Specified	0.09	0.04	0.3	0.3	0.03	0.3	--	0.3	0.06	0.01	0.004	0.02	0.02	0.003	0.03	--	0.03	0.006	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
139-G1	Garden	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
139-G2	Garden	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
139-H1	House	0.06	0.01	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
139-N1	Animal Activity Area	0.07	0.01	0.3	0.3	0.03	0.4	--	0.4	0.02	0.008	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
140-G1	Garden	0.4	0.01	0.3	0.3	0.2	0.8	--	0.8	0.09	0.04	0.001	0.02	0.03	0.02	0.07	--	0.08	0.009	1	2	1	0.3	0.3	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
140-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
140-O1	Other -Not Specified	0.6	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.07	0.001	0.02	0.03	0.02	0.05	--	0.1	0.01	2	2	1	0.3	0.3	3	0.6	5	0.3	0.4	0.6	0.4	0.03	0.06	1	0.2	1	0.2
140-O2[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
141-A1	Agriculture	0.1	0.03	0.5	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.002	1	2	1	0.5	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
141-H1	House	0.1	0.03	0.4	0.4	0.03	0.4	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
141-H2	House	0.2	0.04	0.5	0.5	0.05	0.6	--	0.5	0.04	0.02	0.003	0.05	0.05	0.005	0.05	--	0.05	0.004	1	2	1	0.5	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
141-H3	House	0.1	0.03	0.4	0.4	0.04	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.003	1	2	1	0.5	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
141-N1	Animal Activity Area	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
141-N2	Animal Activity Area	0.2	0.03	0.5	0.5	0.04	0.6	--	0.5	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.05	0.003	1	2	1	0.5	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
141-N3	Animal Activity Area	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.008	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
141-N4	Animal Activity Area	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
141-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.003	1	2	1	0.5	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
142-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
142-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.004	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
143-A1	Agriculture	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
143-G1	Garden	0.08	0.01	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	1	2	1	0.2	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
143-G2	Garden	0.08	0.01	0.2	0.2	0.02	0.4	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
143-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
144-G1	Garden	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
144-H1	House	0.2	0.01	0.2	0.3	0.06	0.5	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.04	--	0.06	0.006	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
145-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.009	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
145-H1	House	0.1	0.02	0.3	0.3	0.06	0.6	--	0.6	0.07	0.02	0.002	0.02	0.03	0.006	0.06	--	0.06	0.007	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
146G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.01	0.01	0.002	0.03	0.03	0.002	0.05	--	0.05	0.001	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
146-H1	House	0.7	0.01	0.3	0.3	0.4	0.8	--	2	0.6	0.07	0.001	0.02	0.03	0.04	0.07	--	0.2	0.06	2	2	1	0.3	0.5	3	0.6	6	0.8	0.4	0.6	0.4	0.03	0.07	1	0.2	2	0.2
147-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
147-G2	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
147-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
148-H1	House	0.04	0.01	0.2	0.3	0.02	0.2	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.002	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
148-O1	Other -Not Specified	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
148-O3	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.02	--	0.05	0.004	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
149-A1	Agriculture	0.2	0.2	1	0.7	0.05	0.7	--	1	0.2	0.02	0.02	0.09	0.06	0.005	0.06	--	0.1	0.02	1	2	2	0.7	0.1	3	0.6	4	0.4	0.4	0.6	0.4	0.07	0.04	1	0.2	1	0.2
149-G1	Garden	0.1	0.09	0.7	0.5	0.05	0.7	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.06	--	0.07	0.008	1	2	2	0.6	0.1	3	0.6	4	0.3	0.4	0.6	0.4	0.06	0.04	1	0.2	1	0.2
149-G2	Garden	0.1	0.09	0.7	0.5	0.04	0.6	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.05	--	0.07	0.008	1	2	2	0.5	0.1	3	0.6	4	0.3	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
149-H1	House	0.1	0.09	0.7	0.5	0.06	0.6	--	0.7	0.09	0.02	0.009	0.07	0.05	0.005	0.06	--	0.07	0.009	1	2	2	0.5	0.1	3	0.6	4	0.3	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
149-N1	Animal Activity Area	0.1	0.07	0.5	0.4	0.03	0.5	--	0.6	0.06	0.01	0.006	0.05	0.04	0.003	0.05	--	0.05	0.006	1	2	1	0.5	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
150-G1	Garden	0.06	0.01	0.2	0.2	0.02	0.3	--	0.3	0.01	0.007	0.001	0.02	0.02	0.002	0.02	--	0.03	0.001	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
150-H1	House	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
151-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
152-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
152-H1	House	0.2	0.02	0.3	0.2	0.07	0.4	--	0.5	0.06	0.02	0.002	0.03	0.02	0.007	0.03	--	0.05	0.006	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
153-G1	Garden	0.2	0.02	0.2	0.3	0.06	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.06	--	0.05	0.004	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
153-H1	House	0.3	0.02	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	0.002	0.03	0.03	0.01	0.06	--	0.08	0.01	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
153-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.9	--	0.6	0.1	0.02	0.001	0.03	0.03	0.01	0.08	--	0.06	0.01	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
153-O2	Other -Not Specified	0.2	0.009	0.1	0.2	0.2	0.5	--	0.6	0.1	0.02	0.0008	0.01	0.02	0.02	0.04	--	0.06	0.01	1	2	1	0.2	0.3	3	0.6	4	0.3	0.4	0.6	0.4	0.02	0.05	1	0.2	1	0.2
153-O3	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.7	--	0.7	0.08	0.03	0.002	0.02	0.03	0.01	0.07	--	0.07	0.008	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
153-O5	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.7	--	0.8	0.09	0.03	0.001	0.02	0.03	0.01	0.07	--	0.08	0.009	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
153-O6	Other -Not Specified	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	1	2	1	0.4	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
153-O7	Other -Not Specified	0.3	0.02	0.3	0.3	0.2	0.8	--	0.8	0.1	0.04	0.002	0.02	0.03	0.02	0.07	--	0.08	0.01	1	2	1	0.3	0.3	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
153-P1	Play Area	0.3	0.02	0.3	0.3	0.1	0.8	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.07	--	0.09	0.01	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
154-G1	Garden	0.04	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.005	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
154-H1	House	0.04	0.02	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
155-G1	Garden	0.2	0.01	0.2	0.2	0.08	0.5	--	0.5	0.05	0.02	0.001	0.02	0.02	0.007	0.04	--	0.05	0.006	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
155-G2	Garden	0.09	0.02	0.2	0.3	0.05	0.3	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.04	0.003	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
155-H1	House	0.07	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
155-H2	House	0.1	0.01	0.2	0.2	0.07	0.4	--	0.5	0.04	0.01	0.001	0.02	0.02	0.007	0.03	--	0.05	0.004	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
155-O2	Other -Not Specified	0.2	0.01	0.2	0.2	0.1	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.04	--	0.06	0.008	1	2	1	0.2	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
156-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
156-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005	1	2	1	0.2	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
157-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
157-H1	House	0.09	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.01	0.002	0.02	0.02	0.004	0.02	--	0.05	0.004	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2

Table 5-22. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																					
157-H2	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.02	--	0.04	0.003		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
157-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.02	--	0.03	0.003		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
158-H1	House	0.06	0.02	0.2	0.3	0.02	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
158-O1	Other -Not Specified	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
159-G1	Garden	0.1	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
159-H1	House	0.08	0.01	0.2	0.2	0.02	0.2	--	0.3	0.02	0.01	0.001	0.01	0.02	0.002	0.02	--	0.03	0.002		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
159-H2	House	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
159-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
159-O2	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
160-G1	Garden	0.1	0.01	0.2	0.2	0.03	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004		1	2	1	0.2	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
160-H1	House	0.09	0.01	0.2	0.3	0.02	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.04	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
160-H2	House	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
161-H1	House	0.1	0.02	0.2	0.3	0.04	0.4	--	0.5	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.005		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
161-N1	Animal Activity Area	0.08	0.01	0.2	0.2	0.03	0.3	--	0.3	0.04	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.004		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
162-H1	House	0.05	0.01	0.2	0.2	0.05	0.2	--	0.3	0.03	0.006	0.0009	0.02	0.02	0.005	0.02	--	0.03	0.003		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
163G	Garden	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.06	0.04	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
163-G1	Garden	0.06	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.007	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
163-O1	Other -Not Specified	0.07	0.01	0.2	0.3	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
164-H1	House	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.006	0.03	--	0.04	0.005		1	2	1	0.3	0.2	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
165-H1	House	0.1	0.05	0.6	0.5	0.03	0.5	--	0.4	0.02	0.02	0.004	0.06	0.05	0.003	0.05	--	0.04	0.002		1	2	2	0.5	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
165-O1	Other -Not Specified	0.2	0.06	0.9	0.7	0.07	0.7	--	0.5	0.05	0.03	0.005	0.08	0.06	0.007	0.06	--	0.06	0.005		1	2	2	0.7	0.2	3	0.6	4	0.2		0.4	0.6	0.4	0.07	0.04	1	0.2	1	0.2
166-O1	Other -Not Specified	0.2	0.01	0.2	0.4	0.1	0.2	--	0.6	0.1	0.02	0.001	0.02	0.03	0.009	0.02	--	0.06	0.01		1	2	1	0.4	0.2	2	0.6	4	0.3		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
167-O1	Other -Not Specified	0.08	0.01	0.2	0.3	0.03	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.003	0.02	--	0.04	0.004		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
167-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.2	--	0.5	0.04	0.01	0.001	0.02	0.02	0.005	0.02	--	0.05	0.004		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
167-O3	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.6	0.07	0.01	0.001	0.02	0.02	0.008	0.03	--	0.06	0.007		1	2	1	0.3	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
167-O4	Other -Not Specified	0.09	0.01	0.2	0.3	0.06	0.3	--	0.6	0.04	0.01	0.001	0.02	0.03	0.005	0.03	--	0.06	0.004		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
167-O5	Other -Not Specified	0.1	0.01	0.2	0.3	0.07	0.3	--	0.6	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.06	0.004		1	2	1	0.3	0.2	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
167-O6	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.5	0.07	0.01	0.001	0.02	0.02	0.008	0.04	--	0.05	0.007		1	2	1	0.3	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
167-O7	Other -Not Specified	0.2	0.01	0.2	0.3	0.2	0.4	--	0.8	0.1	0.03	0.001	0.02	0.02	0.02	0.04	--	0.08	0.01		1	2	1	0.3	0.3	3	0.6	4	0.3		0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
167-O8	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.04	0.009	0.001	0.01	0.02	0.008	0.03	--	0.05	0.004		1	2	1	0.3	0.2	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
167-O9	Other -Not Specified	0.09	0.01	0.2	0.3	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005		1	2	1	0.3	0.2	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
168-G1	Garden	0.04	0.02	0.2	0.3	0.02	0.3	--	0.3	0.03	0.005	0.002	0.02	0.02	0.002	0.03	--	0.03	0.003		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
168-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
168-H1	House	0.04	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
168-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.2	0.03	0.006	0.002	0.02	0.02	0.002	0.03	--	0.02	0.003		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
168-O1	Other -Not Specified	0.2	0.05	0.3	0.3	0.09	0.3	--	0.5	0.06	0.02	0.005	0.02	0.03	0.008	0.02	--	0.05	0.006		1	2	1	0.3	0.2	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
169A	Other -Not Specified	0.1	0.01	0.2	0.4	0.2	0.2	--	0.5	0.05	0.01	0.001	0.02	0.04	0.02	0.02	--	0.05	0.005		1	2	1	0.4	0.3	2	0.6	4	0.2		0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
169-G2	Garden	0.06	0.01	0.2	0.3	0.03	0.2	--	0.3	0.02	0.007	0.001	0.02	0.03	0.003	0.02	--	0.03	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
169-G3	Garden	0.08	0.02	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.03	0.002		1	2	1	0.4	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
169-G4	Garden	0.07	0.02	0.2	0.3	0.04	0.3	--	0.3	0.02	0.008	0.001	0.02	0.03	0.004	0.03	--	0.03	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
169-H1	House	0.05	0.01	0.2	0.2	0.03	0.3	--	0.2	0.02	0.006	0.001	0.01	0.02	0.002	0.03	--	0.02	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
170-G1	Garden	0.08	0.02	0.2	0.3	0.03	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.03	0.002		1	2	1	0.4	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
170-G2	Garden	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.06	0.01	0.001	0.02	0.03	0.006	0.03	--	0.04	0.006		1	2	1	0.3	0.2	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
170-H1	House	0.07	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
171-A1	Agriculture	0.2	0.04	0.6	0.5	0.07	0.6	--	0.7	0.08	0.02	0.004	0.05	0.05	0.006	0.06	--	0.07	0.009		1	2	1	0.5	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
171-G1	Garden	0.2	0.03	0.5	0.4	0.1	0.7	--	0.8	0.1	0.02	0.003	0.04	0.04	0.01	0.07	--	0.08	0.01		1	2	1	0.5	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
171-H1	House	0.1	0.03	0.3	0.4	0.08	0.4	--	0.6	0.08	0.01	0.002	0.03	0.03	0.007	0.04	--	0.06	0.008		1	2	1	0.4	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
172U	Other -Not Specified	0.2	0.02	0.2	0.5	0.08	0.2	--	0.6	0.1	0.02	0.002	0.02	0.05	0.007	0.02	--	0.06	0.01		1	2	1	0.6	0.2	2	0.6	4	0.3		0.4	0.6	0.4	0.06	0.04	1	0.2	1	0.2
173-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.009	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
173-G2	Garden	0.05	0.02	0.2	0.3	0.009	0.2	--	0.2	0.006	0.006	0.002	0.02	0.03	0.0008	0.02	--	0.02	0.0006		1	2	1	0.4	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
173-G3	Garden	0.1	0.03	0.2	0.4	0.04	0.4	--	0.4	0.03	0.02	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003		1	2	1	0.4	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
173-G4	Garden	0.1	0.03	0.2	0.3	0.05	0.4	--	0.4	0.04	0.02	0.003	0.02	0.03	0.005	0.04	--	0.04	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
173-G5	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.01	0.002	0.03	0.03	0.002	0.03	--	0.03	0.001		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
173-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.03	--	0.04	0.005		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
173-P1	Play Area	0.1	0.02	0.2	0.3	0.07	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.007	0.03	--	0.05	0.006		1	2	1	0.3	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
174-A1	Agriculture	0.1	0.03	0.3	0.3	0.04	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
174-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.8	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2		0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
174-H1	House	0.2	0.03	0.3	0.3	0.09	0.7	--	0.5	0.06	0.02	0.003	0.03	0.03	0.009	0.06	--	0.05	0.006		1	2	1	0.3	0.2	3	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
174M	House	0.05	0.01	0.2	0.2	0.008	0.2	--	0.2	0.01	0.006	0.001	0.02	0.02	0.0007	0.02	--	0.02	0.001		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
175-G1	Garden	0.08	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.009	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
175-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.001	0.01	0.02	0.002	0.02	--	0.02	0.001		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
175-H1	House	0.06	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.007	0.001	0.01	0.02	0.004	0.02	--	0.03	0.003		1	2	1	0.2	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
176-A1	Agriculture	0.08	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
176G	Garden	0.2	0.02	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.005		1	2	1	0.2	0.2	3	0.6	4	0.2		0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
176-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
176-H2	House	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.002	0.03	--	0.04	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2		0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
176M	House	0.2	0.01	0.2	0.2	0.07	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.007	0.04	--	0.06	0.008		1	2	1	0.2	0.2	3	0.6	4	0.3		0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2

Table 5-22. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																		
176-P1	Play Area	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
178-H1	House	0.07	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.002	0.04	--	0.03	0.001	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
179-H1	House	0.1	0.02	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.05	--	0.04	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
180-H1	House	0.3	0.02	0.2	0.3	0.2	0.3	--	0.9	0.06	0.03	0.001	0.02	0.03	0.01	0.03	--	0.09	0.006	1	2	1	0.3	0.3	2	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
180-H2[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
180-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.3	0.3	--	1	0.09	0.02	0.001	0.02	0.03	0.02	0.03	--	0.1	0.009	1	2	1	0.3	0.4	3	0.6	5	0.3	0.4	0.6	0.4	0.03	0.06	1	0.2	1	0.2
181-A1	Agriculture	0.2	0.02	0.3	0.3	0.05	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
181-G1	Garden	0.2	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.02	0.002	0.02	0.03	0.003	0.04	--	0.04	0.001	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
181-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
181-H1	House	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.06	0.005	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
181-H2	House	0.3	0.02	0.3	0.3	0.06	0.7	--	0.7	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.004	1	2	1	0.4	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
181-N1	Animal Activity Area	0.3	0.02	0.3	0.3	0.06	0.8	--	0.7	0.05	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.005	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
181-N2	Animal Activity Area	0.2	0.02	0.3	0.3	0.07	0.7	--	0.6	0.05	0.03	0.002	0.03	0.03	0.007	0.07	--	0.06	0.005	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
181-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
182-G1	Garden	0.2	0.04	0.4	0.3	0.08	0.7	--	0.6	0.09	0.02	0.003	0.04	0.03	0.007	0.06	--	0.06	0.009	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
182-G2	Garden	0.3	0.04	0.4	0.4	0.09	0.9	--	0.8	0.09	0.03	0.003	0.04	0.03	0.008	0.08	--	0.08	0.009	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
182-H1	House	0.1	0.03	0.4	0.3	0.06	0.6	--	0.6	0.06	0.01	0.003	0.04	0.03	0.005	0.06	--	0.06	0.006	1	2	1	0.4	0.1	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
182-H2	House	0.1	0.03	0.4	0.4	0.05	0.6	--	0.5	0.06	0.01	0.003	0.04	0.04	0.005	0.05	--	0.05	0.006	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
182-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.04	0.5	--	0.5	0.05	0.01	0.003	0.04	0.04	0.004	0.05	--	0.05	0.005	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
182-O2	Other -Not Specified	0.3	0.03	0.4	0.4	0.08	0.9	--	0.7	0.09	0.03	0.003	0.04	0.03	0.007	0.08	--	0.08	0.009	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
182-O3	Other -Not Specified	0.1	0.03	0.3	0.3	0.07	0.6	--	0.6	0.09	0.02	0.003	0.03	0.03	0.006	0.05	--	0.06	0.009	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
184-H1	House	0.2	0.01	0.2	0.2	0.08	0.3	--	0.6	0.06	0.02	0.001	0.02	0.02	0.007	0.03	--	0.06	0.006	1	2	1	0.2	0.2	2	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
185-A1	Agriculture	0.1	0.03	0.3	0.3	0.05	0.3	--	0.5	0.03	0.01	0.003	0.02	0.03	0.004	0.03	--	0.05	0.003	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
185G	Garden	0.2	0.03	0.5	0.4	0.02	0.5	--	0.6	0.01	0.02	0.002	0.05	0.04	0.002	0.05	--	0.06	0.001	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
185-H1	House	0.09	0.03	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.05	0.003	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
186-O1	Other -Not Specified	0.2	0.02	0.2	0.5	0.1	0.3	--	0.6	0.1	0.02	0.001	0.02	0.05	0.01	0.02	--	0.06	0.01	1	2	1	0.5	0.2	2	0.6	4	0.3	0.4	0.6	0.4	0.05	0.05	1	0.2	1	0.2
187-H1	House	0.07	0.01	0.2	0.3	0.06	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
188-A1	Agriculture	0.09	0.03	0.3	0.3	0.04	0.6	--	0.4	0.04	0.01	0.003	0.03	0.03	0.004	0.06	--	0.04	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
188-G1	Garden	0.1	0.03	0.3	0.3	0.06	0.6	--	0.4	0.05	0.01	0.003	0.03	0.03	0.006	0.05	--	0.04	0.005	1	2	1	0.4	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
188-G2	Garden	0.1	0.04	0.4	0.3	0.07	0.7	--	0.5	0.06	0.02	0.004	0.03	0.03	0.007	0.06	--	0.05	0.006	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
188-G3	Garden	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
188-H1	House	0.06	0.04	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.004	0.03	0.03	0.002	0.04	--	0.03	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
188-P1	Play Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.002	0.02	0.02	0.003	0.04	--	0.03	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
189-G1	Garden	0.06	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.001	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
189-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.03	--	0.04	0.003	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
189-H2	House	0.09	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
189-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
190-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.007	0.005	0.001	0.02	0.03	0.001	0.03	--	0.03	0.0008	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
190-H1	House	0.04	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.005	0.001	0.02	0.02	0.002	0.03	--	0.02	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
190-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.001	0.03	--	0.03	0.001	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
190-N2	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.03	--	0.02	0.001	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
190-N3	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.009	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.0009	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
190-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
191-H1	House	0.1	0.02	0.3	0.3	0.09	0.4	--	0.5	0.06	0.02	0.002	0.03	0.03	0.008	0.04	--	0.05	0.006	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
192-A1	Agriculture	0.1	0.03	0.3	0.3	0.07	0.3	--	0.5	0.03	0.01	0.003	0.03	0.03	0.006	0.03	--	0.05	0.003	1	2	1	0.3	0.2	2	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
192-G1	Garden	0.1	0.04	0.3	0.4	0.08	0.3	--	0.6	0.03	0.02	0.004	0.03	0.03	0.007	0.03	--	0.06	0.003	1	2	1	0.4	0.2	2	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
192-H1	House	0.1	0.03	0.2	0.3	0.06	0.3	--	0.5	0.02	0.01	0.003	0.02	0.03	0.005	0.02	--	0.05	0.002	1	2	1	0.3	0.2	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
193-G1	Garden	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.008	0.005	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
193-H1	House	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.0009	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
194-H1	House	0.03	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
194-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
195-G1	Garden	0.1	0.01	0.2	0.2	0.05	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.003	1	2	1	0.2	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
195-G2	Garden	0.1	0.01	0.2	0.3	0.09	0.5	--	0.5	0.07	0.02	0.001	0.02	0.03	0.009	0.05	--	0.05	0.007	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
195-O1	Other -Not Specified	0.1	0.01	0.1	0.2	0.1	0.4	--	0.4	0.06	0.01	0.0009	0.01	0.02	0.009	0.04	--	0.04	0.007	1	2	1	0.2	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
196-A1	Agriculture	0.06	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.007	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
196-A2	Agriculture	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.04	0.008	0.002	0.02	0.02	0.003	0.04	--	0.04	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
196-G1	Garden	0.07	0.01	0.2	0.3	0.04	0.4	--	0.5	0.02	0.008	0.001	0.02	0.02	0.003	0.04	--	0.05	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
196-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
197-H1	House	0.1	0.03	0.3	0.4	0.05	0.3	--	0.5	0.04	0.01	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	1	2	1	0.4	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
198-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.6	--	0.4	0.03	0.01	0.002	0.02	0.02	0.004	0.06	--	0.04	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
198-H1	House	0.1	0.03	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.06	--	0.06	0.005	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
199-G1	Garden	0.04	0.02	0.3	0.4	0.01	0.3	--	0.3	0.006	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.0006	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
199-O1	Other -Not Specified	0.04	0.02	0.3	0.4	0.02	0.3	--	0.3	0.01	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.001	1	2	1	0.4	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
200-G1	Garden	0.1	0.02	0.4	0.4	0.02	0.7	--	0.5	0.02	0.02	0.002	0.04	0.04	0.002	0.07	--	0.05	0.002	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
200-H1	House	0.1	0.02	0.4	0.4	0.02	0.6	--	0.4	0.01	0.01	0.002	0.04	0.03	0.002	0.06	--	0.04	0.001	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
200-O1	Other -Not Specified	0.2	0.03	0.5	0.5	0.02	0.6	--	0.5	0.01	0.02	0.003	0.05	0.05	0.002	0.06	--	0.05	0.001	1	2	1	0.5	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2

Table 5-22. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	
		Child									Adult										Child									Adult									
DU	DU Type																																						
201G[c]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
201-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.1	0.4	--	0.7	0.08	0.03	0.002	0.03	0.04	0.01	0.04	--	0.07	0.008		1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
202-H1	House	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
202-N1	Animal Activity Area	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002		1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
202-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.02	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.002	0.02	--	0.04	0.004		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
203-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
203-O1[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
203-O2	Other -Not Specified	0.5	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.06	0.001	0.02	0.03	0.02	0.06	--	0.1	0.01		1	2	1	0.3	0.3	3	0.6	5	0.3	0.4	0.6	0.4	0.04	0.06	1	0.2	1	0.2
203-O3[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
203-O4[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
205-O1	Other -Not Specified	0.4	0.02	0.2	0.3	0.1	0.2	--	1	0.09	0.04	0.002	0.02	0.03	0.01	0.02	--	0.1	0.009		1	2	1	0.3	0.2	2	0.6	5	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
206-A1	Agriculture	0.1	0.06	0.4	0.3	0.05	0.5	--	0.5	0.05	0.02	0.005	0.04	0.03	0.005	0.04	--	0.05	0.005		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
206-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
206-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
206-H2	House	0.1	0.1	0.7	0.4	0.09	0.6	--	0.7	0.1	0.02	0.01	0.06	0.03	0.008	0.05	--	0.07	0.01		1	2	2	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
206-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.1	0.6	--	0.9	0.06	0.03	0.003	0.04	0.04	0.01	0.05	--	0.09	0.006		1	2	1	0.4	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
207-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004		1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
208AA	Animal Activity Area	0.2	0.02	0.2	0.2	0.05	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.005		1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
208BM	House	0.2	0.02	0.4	0.3	0.03	0.5	--	0.6	0.03	0.02	0.002	0.04	0.03	0.003	0.04	--	0.06	0.003		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
208G	Garden	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.06	0.003		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
208-H1	House	0.3	0.01	0.2	0.3	0.1	0.6	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.06	--	0.08	0.007		1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
209A	Agriculture	0.2	0.02	0.4	0.3	0.05	0.4	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.04	--	0.05	0.005		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
209-G1	Garden	0.2	0.01	0.2	0.3	0.08	0.6	--	0.7	0.09	0.03	0.001	0.02	0.02	0.008	0.05	--	0.07	0.009		1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
209-H1	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.06	--	0.09	0.01		1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
209-P1	Play Area	0.4	0.02	0.3	0.3	0.1	0.7	--	1	0.2	0.05	0.002	0.03	0.03	0.01	0.06	--	0.1	0.02		1	2	1	0.3	0.2	3	0.6	5	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
210-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.003	0.03	--	0.04	0.003		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
210-O1	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.01	0.02	0.004	0.03	--	0.04	0.004		1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
211-A1	Garden	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
211-G1	Garden	0.1	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
211-G2	Garden	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
211-H1	House	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.002	0.04	--	0.04	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
211-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.004	0.03	--	0.05	0.005		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
212-H1	House	0.1	0.02	0.3	0.5	0.1	0.3	--	0.6	0.08	0.01	0.002	0.02	0.05	0.01	0.03	--	0.06	0.008		1	2	1	0.5	0.2	2	0.6	4	0.3	0.4	0.6	0.4	0.06	0.04	1	0.2	1	0.2
212-H2	House	0.1	0.01	0.2	0.4	0.05	0.2	--	0.4	0.05	0.02	0.001	0.02	0.03	0.005	0.02	--	0.04	0.005		1	2	1	0.4	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
213-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.02	0.6	--	0.5	0.01	0.02	0.003	0.04	0.03	0.002	0.06	--	0.04	0.001		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
213-O2	Other -Not Specified	0.2	0.03	0.4	0.3	0.04	0.6	--	0.7	0.02	0.02	0.002	0.04	0.03	0.004	0.05	--	0.07	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
213-O3	Other -Not Specified	0.1	0.02	0.4	0.4	0.03	0.3	--	0.5	0.02	0.02	0.002	0.03	0.04	0.003	0.03	--	0.05	0.002		1	2	1	0.5	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
21G	Garden	0.3	0.02	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	0.002	0.02	0.02	0.01	0.05	--	0.08	0.009		1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
226C	House	0.3	0.01	0.2	0.2	0.1	0.3	--	0.9	0.06	0.03	0.001	0.02	0.02	0.01	0.03	--	0.09	0.006		1	2	1	0.2	0.2	2	0.6	4	0.2	0.4	0.6	0.4	0.02	0.05	1	0.2	1	0.2
230G	Garden	0.1	0.02	0.2	0.3	0.03	0.2	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.02	--	0.04	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
231Lower	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.03	--	0.05	0.004		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
238G	Garden	0.08	0.02	0.2	0.2	0.01	0.3	--	0.3	0.01	0.009	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001		1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
238M	Other -Not Specified	0.07	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.008	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
280yard	House	0.2	0.02	0.3	0.3	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008		1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
284M	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
285M	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.4	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.04	--	0.05	0.004		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
288G1	Garden	0.1	0.02	0.3	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
288G2	Garden	0.08	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.002		1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
289G3	Garden	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002		1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
317M	Play Area	0.6	0.02	0.4	0.3	0.1	0.4	--	1	0.2	0.06	0.002	0.03	0.03	0.01	0.04	--	0.1	0.02		1	2	1	0.3	0.2	3	0.6	5	0.4	0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
319M[c]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
320new	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.4	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.09	0.01		1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
35PA[c]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
59A	House	0.3	0.01	0.2	0.2	0.1	0.4	--	0.7	0.1	0.04	0.001	0.02	0.02	0.01	0.04	--	0.07	0.01		1	2	1	0.2	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.02	0.05	1	0.2	1	0.2
62G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.002		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
72M	Agriculture	0.3	0.03	0.3	0.3	0.09	0.5	--	0.6	0.07	0.03	0.002	0.03	0.03	0.008	0.04	--	0.06	0.007		1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
72U	Other -Not Specified	0.2	0.04	0.4	0.4	0.04	0.5	--	0.6	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.06	0.003		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
94M	Agriculture	0.1	0.02	0.3	0.3	0.03	0.3	--	0.5	0.02	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.002		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
999G1	Garden	0.2	0.03	0.3	0.3	0.03	0.5	--	0.4	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003		1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
999M1	House	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.05	--	0.04	0.003		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
999M2	Garden	0.1	0.03	0.5	0.4	0.02	0.5	--	0.4	0.01	0.01	0.003	0.04	0.04	0.002	0.05	--	0.04	0.001		1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
999M3	Other -Not Specified	0.2	0.05	0.7	0.6	0.06	1	--	0.8	0.06	0.02	0.004	0.06	0.06	0.006	0.09	--	0.08	0.006		1	2	2	0.6	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.06	0.04	1	0.2	1	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-23. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
Indoor Air		--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																		
Outdoor Air		--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02	**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Whitefish)		0.2	0.9	0.1	0.06	0.07	1	2	2	--	0.06	0.3	0.06	0.02	0.03	0.4	0.8	0.6	--																	
Residential Soil/Dust[a]		**Number of DUs that exeed benchmark[c] for Soil/Dust:**									**Number of DUs that exeed benchmark[c] for Soil/Dust:**																												
DU	DU Type	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	588	588	588	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.3	0.9	0.5	0.3	0.09	2	2	2	0.2	0.07	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
9	Agriculture	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
13	Other -Not Specified	0.2	0.02	0.3	0.3	0.03	0.6	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003	0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
14	Garden	0.2	0.02	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.003	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
15	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.02	0.002	0.03	0.02	0.004	0.04	--	0.05	0.003	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
16	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.05	--	0.09	0.01	0.5	0.9	0.5	0.4	0.2	2	2	2	0.3	0.1	0.3	0.09	0.05	0.04	0.8	0.8	0.7	0.2
17	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.005	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
18[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.3	0.9	0.5	0.3	0.09	2	2	2	0.2	0.07	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
20[b]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.3	0.9	0.5	0.3	0.09	2	2	2	0.2	0.07	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
21	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.02	0.02	0.002	0.03	0.02	0.004	0.04	--	0.04	0.002	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
22	House	0.3	0.02	0.3	0.3	0.05	0.4	--	0.6	0.04	0.03	0.001	0.02	0.02	0.004	0.04	--	0.06	0.004	0.4	0.9	0.4	0.3	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
25	House	0.1	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
27	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
28	Garden	0.07	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
29	Other -Not Specified	0.09	0.02	0.3	0.3	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.3	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
30	Other -Not Specified	0.2	0.02	0.4	0.3	0.02	0.5	--	0.4	0.01	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.001	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
31	Other -Not Specified	0.2	0.02	0.4	0.3	0.07	0.8	--	0.7	0.07	0.02	0.002	0.03	0.03	0.007	0.07	--	0.07	0.007	0.4	0.9	0.5	0.4	0.1	2	2	2	0.3	0.09	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
33	House	0.2	0.02	0.2	0.2	0.1	0.5	--	0.6	0.05	0.02	0.002	0.02	0.02	0.009	0.04	--	0.06	0.005	0.4	0.9	0.4	0.3	0.2	2	2	2	0.2	0.09	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
35[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.3	0.9	0.5	0.3	0.09	2	2	2	0.2	0.07	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
39[b]	Agriculture	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.3	0.9	0.5	0.3	0.09	2	2	2	0.2	0.07	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
40[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.3	0.9	0.5	0.3	0.09	2	2	2	0.2	0.07	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
42	House	0.09	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.04	0.004	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
44	Agriculture	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
46	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.04	0.03	0.8	0.8	0.7	0.2
47	Agriculture	0.1	0.01	0.2	0.3	0.07	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.007	0.04	--	0.05	0.005	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
49[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.3	0.9	0.5	0.3	0.09	2	2	2	0.2	0.07	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
55	House	0.09	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002	0.3	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
56	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.006	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
58	Agriculture	0.09	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
59	House	0.2	0.01	0.1	0.2	0.09	0.3	--	0.5	0.07	0.02	0.0009	0.01	0.02	0.009	0.03	--	0.05	0.007	0.3	0.9	0.3	0.2	0.2	2	2	2	0.3	0.08	0.3	0.07	0.04	0.04	0.8	0.8	0.6	0.2
60	Garden	0.1	0.02	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
61	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.004	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
62	House	0.1	0.02	0.3	0.3	0.03	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.05	--	0.05	0.004	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
66	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.5	--	0.6	0.04	0.02	0.001	0.02	0.03	0.007	0.04	--	0.06	0.004	0.4	0.9	0.4	0.3	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
67	Garden	0.2	0.02	0.3	0.3	0.09	0.5	--	0.6	0.05	0.03	0.002	0.02	0.03	0.008	0.05	--	0.06	0.005	0.4	0.9	0.4	0.3	0.2	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
70	House	0.2	0.03	0.3	0.3	0.08	0.4	--	0.6	0.06	0.02	0.003	0.03	0.03	0.008	0.04	--	0.06	0.006	0.4	0.9	0.5	0.4	0.2	2	2	2	0.2	0.09	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
71	Garden	0.2	0.03	0.3	0.3	0.06	0.4	--	0.5	0.04	0.03	0.003	0.03	0.03	0.005	0.04	--	0.05	0.004	0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.09	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
72	Garden	0.2	0.04	0.4	0.4	0.08	0.4	--	0.7	0.08	0.03	0.004	0.04	0.04	0.008	0.03	--	0.07	0.008	0.4	1	0.6	0.4	0.2	2	2	2	0.3	0.09	0.3	0.1	0.06	0.03	0.8	0.8	0.7	0.2
75	House	0.3	0.02	0.3	0.3	0.2	0.7	--	0.9	0.1	0.03	0.001	0.03	0.03	0.02	0.06	--	0.09	0.01	0.4	0.9	0.4	0.3	0.3	2	2	2	0.3	0.1	0.3	0.08	0.05	0.05	0.9	0.8	0.7	0.2
82	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.3	0.9	0.5	0.4	0.09	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
85	House	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
86	Agriculture	0.1	0.02	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.003	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
87	Agriculture	0.09	0.02	0.2	0.2	0.03	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
106	House	0.4	0.02	0.2	0.3	0.1	0.6	--	0.8	0.07	0.04	0.001	0.02	0.02	0.01	0.05	--	0.08	0.007	0.6	0.9	0.4	0.3	0.2	2	2	2	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
107	Garden	0.3	0.02	0.3	0.3	0.09	0.6	--	0.6	0.05	0.03	0.002	0.03	0.03	0.008	0.06	--	0.06	0.005	0.4	0.9	0.4	0.4	0.2	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
108	Garden	0.3	0.03	0.3	0.3	0.07	0.5	--	0.6	0.05	0.04	0.003	0.02	0.03	0.007	0.04	--	0.06	0.005	0.5	0.9	0.4	0.3	0.1	2	2	2	0.2	0.1	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
109[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.3	0.9	0.5	0.3	0.09	2	2	2	0.2	0.07	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
110	House	0.1	0.01	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
111	Other -Not Specified	0.1	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
112	House	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.06	0.002	0.03	0.02	0.01	0.05	--	0.1	0.01	0.7	0.9	0.4	0.3	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
121	House	0.2	0.03	0.5	0.4	0.04	0.8	--	0.7	0.06	0.02	0.003	0.05	0.04	0.004	0.08	--	0.07	0.006	0.3	0.9	0.7	0.5	0.1	2	2	2	0.3	0.08	0.3	0.1	0.06	0.03	0.9	0.8	0.7	0.2
122	Other -Not Specified	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.03	0.003	0.04	0.04	0.003	0.06	--	0.06	0.003	0.4	0.9	0.6	0.5	0.1	2	2	2	0.2	0.09	0.3	0.1	0.06	0.03	0.8	0.8	0.7	0.2
123	House	0.3	0.02	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	0.002	0.03	0.02	0.01	0.05	--	0.08	0.01	0.4	0.9	0.4	0.3	0.2	2	2	2	0.3	0.09	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
135	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
146	House	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.002	0.05	--	0.05	0.003	0.3	0.9	0.4	0.4	0.09	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
147	Garden	0.09	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.001	0.03	--	0.03	0.001	0.3	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
151[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.3	0.9	0.5	0.3	0.09	2	2	2	0.2	0.07	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
152	Other -Not Specified	0.2	0.02	0.4	0.3	0.05	0.4	--	0.6	0.07	0.02	0.002	0.03	0.03	0.004	0.04	--	0.06	0.007	0.3	0.9	0.5	0.4	0.1	2	2	2	0.3	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
154	House	0.06	0.01	0.1	0.2	0.02	0.2	--	0.2	0.02	0.007	0.001	0.01	0.02	0.002	0.02	--	0.02	0.002	0.2	0.9	0.3	0.2	0.09	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
160	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.05	0.02	0.002	0.03	0.02	0.004	0.05	--	0.05	0.005	0.4	0.9	0.4	0.3	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
163	House	0.2	0.02	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.04	--	0.05	0.004	0.4	0.9	0.4	0.3	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2

Table 5-23. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
164	Agriculture	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.09	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
167	Agriculture	0.1	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.3	0.9	0.3	0.3	0.09	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
168	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.009	0.4	0.9	0.5	0.4	0.2	2	2	2	0.3	0.09	0.3	0.09	0.05	0.04	0.8	0.8	0.7	0.2
169	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.6	--	0.7	0.07	0.03	0.002	0.03	0.03	0.01	0.05	--	0.07	0.007	0.4	0.9	0.4	0.3	0.2	2	2	2	0.3	0.09	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
170[b]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
175	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.02	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004	0.4	0.9	0.4	0.3	0.1	2	2	2	0.2	0.09	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
177	Agriculture	0.3	0.01	0.2	0.2	0.05	0.3	--	0.6	0.05	0.03	0.001	0.02	0.02	0.004	0.03	--	0.06	0.005	0.4	0.9	0.3	0.3	0.1	2	2	2	0.2	0.09	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2
185	House	0.3	0.02	0.4	0.3	0.06	0.4	--	0.7	0.05	0.03	0.002	0.04	0.03	0.006	0.04	--	0.07	0.005	0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.09	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
186	House	0.2	0.02	0.3	0.2	0.06	0.3	--	0.6	0.06	0.02	0.002	0.02	0.02	0.005	0.03	--	0.06	0.006	0.4	0.9	0.4	0.3	0.1	2	2	2	0.3	0.09	0.3	0.08	0.04	0.03	0.8	0.8	0.7	0.2
189	House	0.2	0.02	0.3	0.3	0.05	0.5	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.05	--	0.06	0.004	0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
192	House	0.2	0.03	0.4	0.3	0.06	0.4	--	0.7	0.06	0.02	0.003	0.04	0.03	0.006	0.04	--	0.07	0.006	0.4	0.9	0.6	0.4	0.1	2	2	2	0.2	0.09	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
193	House	0.2	0.01	0.2	0.3	0.08	0.3	--	0.6	0.04	0.02	0.001	0.02	0.03	0.008	0.03	--	0.06	0.004	0.3	0.9	0.4	0.3	0.2	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
194[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.3	0.9	0.5	0.3	0.09	2	2	2	0.2	0.07	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
196[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.3	0.9	0.5	0.3	0.09	2	2	2	0.2	0.07	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
201	House	0.2	0.01	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.001	0.02	0.02	0.004	0.05	--	0.05	0.003	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
203[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.3	0.9	0.5	0.3	0.09	2	2	2	0.2	0.07	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
206	House	0.1	0.02	0.3	0.2	0.05	0.3	--	0.5	0.04	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
208	Other -Not Specified	0.2	0.02	0.4	0.3	0.1	0.4	--	0.6	0.05	0.02	0.002	0.03	0.03	0.01	0.04	--	0.06	0.005	0.4	0.9	0.5	0.4	0.2	2	2	2	0.2	0.09	0.3	0.09	0.05	0.04	0.8	0.8	0.7	0.2
213	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.4	--	0.8	0.09	0.04	0.002	0.02	0.02	0.01	0.04	--	0.08	0.009	0.5	0.9	0.4	0.3	0.2	2	2	2	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
216	House	0.3	0.01	0.2	0.3	0.1	0.4	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.04	--	0.07	0.007	0.4	0.9	0.4	0.3	0.2	2	2	2	0.3	0.09	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
218[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.3	0.9	0.5	0.3	0.09	2	2	2	0.2	0.07	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
229	Play Area	0.07	0.02	0.2	0.2	0.01	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
231	House	0.2	0.01	0.2	0.2	0.05	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.004	0.4	0.9	0.4	0.3	0.1	2	2	2	0.2	0.09	0.3	0.07	0.05	0.03	0.8	0.8	0.7	0.2
246	Play Area	0.05	0.02	0.2	0.2	0.01	0.2	--	0.2	0.01	0.006	0.002	0.02	0.02	0.001	0.02	--	0.02	0.001	0.2	0.9	0.3	0.3	0.08	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
249	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
250	House	0.2	0.01	0.2	0.2	0.05	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.005	0.03	--	0.04	0.003	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
253	House	0.1	0.01	0.2	0.2	0.03	0.2	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.02	--	0.04	0.003	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
280	Other -Not Specified	0.3	0.02	0.4	0.3	0.1	0.6	--	0.7	0.09	0.03	0.002	0.03	0.03	0.009	0.05	--	0.07	0.009	0.4	0.9	0.5	0.4	0.2	2	2	2	0.3	0.09	0.3	0.09	0.05	0.04	0.8	0.8	0.7	0.2
287	Agriculture	0.1	0.02	0.3	0.3	0.09	0.6	--	0.6	0.06	0.02	0.001	0.03	0.03	0.008	0.06	--	0.06	0.006	0.3	0.9	0.4	0.3	0.2	2	2	2	0.3	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
288	House	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002	0.3	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
291	Agriculture	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002	0.2	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
306	Other -Not Specified	0.1	0.01	0.2	0.2	0.02	0.2	--	0.4	0.02	0.01	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
315	House	0.1	0.02	0.3	0.3	0.01	0.3	--	0.4	0.01	0.01	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.3	0.9	0.4	0.3	0.08	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
316	Other -Not Specified	0.1	0.02	0.3	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004	0.3	0.9	0.5	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
317	House	0.3	0.03	0.4	0.3	0.06	0.4	--	0.8	0.07	0.03	0.002	0.03	0.03	0.006	0.03	--	0.08	0.007	0.5	0.9	0.5	0.4	0.1	2	2	2	0.3	0.1	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
318	Other -Not Specified	0.4	0.02	0.3	0.3	0.1	0.4	--	1	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.1	0.01	0.6	0.9	0.5	0.4	0.2	2	2	3	0.3	0.1	0.3	0.09	0.05	0.04	0.8	0.8	0.7	0.2
319	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.5	--	1	0.2	0.04	0.002	0.03	0.03	0.01	0.05	--	0.1	0.02	0.5	0.9	0.5	0.4	0.2	2	2	3	0.4	0.1	0.3	0.09	0.05	0.04	0.8	0.8	0.7	0.2
325	Garden	0.1	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.3	0.9	0.4	0.3	0.09	2	2	2	0.2	0.08	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
326	Other -Not Specified	0.08	0.02	0.2	0.2	0.02	0.2	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.02	--	0.04	0.002	0.3	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
327	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
345	Play Area	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.003	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
346	Garden	0.2	0.02	0.3	0.3	0.07	0.5	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	0.4	0.9	0.5	0.3	0.1	2	2	2	0.2	0.09	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
347	Other -Not Specified	0.2	0.01	0.3	0.2	0.09	0.4	--	0.7	0.09	0.02	0.001	0.02	0.02	0.009	0.04	--	0.07	0.009	0.4	0.9	0.4	0.3	0.2	2	2	2	0.3	0.09	0.3	0.08	0.04	0.04	0.8	0.8	0.7	0.2
801	Other -Not Specified	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.06	0.03	0.001	0.01	0.03	0.009	0.02	--	0.07	0.006	0.4	0.9	0.3	0.4	0.2	2	2	2	0.2	0.09	0.3	0.07	0.05	0.04	0.8	0.8	0.7	0.2
1001	Other -Not Specified	0.3	0.01	0.2	0.4	0.1	0.2	--	0.8	0.1	0.03	0.001	0.02	0.03	0.01	0.02	--	0.08	0.01	0.5	0.9	0.3	0.4	0.2	2	2	2	0.3	0.1	0.3	0.07	0.06	0.04	0.8	0.8	0.7	0.2
1005	Garden	0.2	0.02	0.3	0.3	0.05	0.3	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
1006	House	0.1	0.03	0.3	0.3	0.03	0.3	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.03	--	0.04	0.003	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
1007	Garden	0.08	0.03	0.3	0.3	0.02	0.3	--	0.4	0.02	0.009	0.003	0.02	0.03	0.002	0.03	--	0.03	0.002	0.3	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
1008	Agriculture	0.09	0.03	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.003	0.02	0.02	0.004	0.03	--	0.04	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
1010	Agriculture	0.1	0.03	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
1011	Agriculture	0.2	0.02	0.1	0.2	0.06	0.2	--	0.4	0.05	0.02	0.001	0.01	0.01	0.006	0.02	--	0.04	0.005	0.3	0.9	0.3	0.2	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
1015	Garden	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.2	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
1017	Garden	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
1018	Garden	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
1020	Garden	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.05	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
1021[b]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009	0.3	0.9	0.5	0.3	0.09	2	2	2	0.2	0.07	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
1030[b]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
1035	Garden	0.2	0.03	0.3	0.3	0.05	0.5	--	0.5	0.04	0.02	0.003	0.03	0.03	0.005	0.05	--	0.05	0.004	0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
1036	Play Area	0.1	0.02	0.3	0.3	0.03	0.4	--	0.5	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
1037	Garden	0.2	0.02	0.3	0.3	0.05	0.5	--	0.5	0.03	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.003	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
1060	House	0.1	0.02	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
3000	House	0.05	0.02	0.2	0.2	0.01	0.2	--	0.3	0.008	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
3001	Garden	0.3	0.04	0.5	0.5	0.1	0.5	--	1	0.07	0.04	0.003	0.05	0.05	0.01	0.04	--	0.1	0.008	0.5	0.9	0.6	0.5	0.2	2	2	3	0.3	0.1	0.3	0.1	0.07	0.04	0.8	0.8	0.7	0.2
3003	Other -Not Specified	0.4	0.02	0.4	0.4	0.09	0.4	--	0.9	0.08	0.04	0.002	0.03	0.04	0.008	0.04	--	0.09	0.009	0.6	0.9	0.5	0.5	0.2	2	2	3	0.3	0.1	0.3	0.09	0.06	0.03	0.8	0.8	0.7	0.2
3004	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
075-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2

Table 5-23. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																		**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																				
075-H1	House	0.1	0.02	0.2	0.3	0.05	0.5	--	0.5	0.05	0.01	0.001	0.02	0.02	0.005	0.04	--	0.05	0.005	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
075-O1	Other -Not Specified	0.1	0.02	0.2	0.6	0.08	0.3	--	0.6	0.09	0.02	0.002	0.02	0.05	0.007	0.03	--	0.06	0.009	0.3	0.9	0.4	0.6	0.1	2	2	2	0.3	0.08	0.3	0.08	0.07	0.03	0.8	0.8	0.7	0.2
076-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
076-G2	Garden	0.2	0.02	0.3	0.4	0.06	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.005	0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.09	0.3	0.09	0.06	0.03	0.9	0.8	0.7	0.2
076-H1	House	0.1	0.02	0.3	0.3	0.04	0.7	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.005	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
076-H2	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.05	--	0.05	0.004	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
076-N1	Animal Activity Area	0.2	0.02	0.3	0.4	0.1	0.6	--	0.5	0.04	0.02	0.002	0.03	0.03	0.009	0.05	--	0.05	0.004	0.3	0.9	0.5	0.4	0.2	2	2	2	0.2	0.08	0.3	0.09	0.06	0.04	0.8	0.8	0.7	0.2
077-A1	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.2	0.9	0.3	0.3	0.08	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
077-A2	Agriculture	0.04	0.01	0.2	0.2	0.01	0.3	--	0.2	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.2	0.9	0.3	0.3	0.08	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
077-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.2	0.9	0.3	0.3	0.08	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
077-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.2	0.9	0.3	0.3	0.08	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
077-H2	House	0.04	0.01	0.2	0.2	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.001	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
077-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
078-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.02	0.002	0.2	0.9	0.3	0.3	0.08	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
078-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.009	0.004	0.001	0.01	0.02	0.0006	0.02	--	0.02	0.0009	0.2	0.9	0.3	0.3	0.08	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
078-N1	Animal Activity Area	0.04	0.01	0.2	0.2	0.009	0.2	--	0.2	0.01	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.001	0.2	0.9	0.3	0.3	0.08	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
078-O1	Other -Not Specified	0.04	0.01	0.2	0.3	0.008	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.0008	0.03	--	0.02	0.001	0.2	0.9	0.3	0.3	0.08	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
079-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
079-H2	House	0.2	0.02	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.05	--	0.05	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
080-H1	House	0.1	0.04	0.5	0.4	0.02	0.5	--	0.5	0.01	0.02	0.004	0.05	0.03	0.001	0.04	--	0.05	0.001	0.3	0.9	0.7	0.4	0.09	2	2	2	0.2	0.08	0.3	0.1	0.06	0.03	0.8	0.8	0.7	0.2
081-A1	Agriculture	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002	0.2	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
081-H1	House	0.09	0.03	0.4	0.3	0.02	0.4	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.04	--	0.04	0.003	0.3	0.9	0.5	0.4	0.09	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
081-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.05	0.5	--	0.5	0.06	0.01	0.002	0.04	0.04	0.005	0.05	--	0.05	0.006	0.3	0.9	0.6	0.5	0.1	2	2	2	0.2	0.08	0.3	0.1	0.06	0.03	0.8	0.8	0.7	0.2
082-G1	Garden	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.009	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.0009	0.2	0.9	0.3	0.3	0.08	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
082-G2	Garden	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
082-H1	House	0.05	0.01	0.2	0.2	0.01	0.3	--	0.3	0.02	0.006	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002	0.2	0.9	0.3	0.3	0.08	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
082-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.001	0.03	--	0.03	0.002	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
082-N2	Animal Activity Area	0.07	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
083-G1	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.3	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
083-G2	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.03	0.002	0.3	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
083-H1	House	0.08	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.01	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.3	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
084-H1	House	0.04	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.005	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001	0.2	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
085-H1	House	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
085-O1	Other -Not Specified	0.1	0.02	0.4	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.005	0.04	--	0.04	0.004	0.3	0.9	0.5	0.3	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
085-P1	Play Area	0.2	0.03	0.3	0.3	0.06	0.7	--	0.6	0.06	0.02	0.003	0.03	0.03	0.005	0.07	--	0.06	0.006	0.4	0.9	0.4	0.4	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.9	0.8	0.7	0.2
086-G1	Garden	0.09	0.01	0.2	0.3	0.03	0.5	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
086-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
086-H2	House	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
087-H1	House	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.2	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
087-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.05	--	0.05	0.005	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
088-H1	House	0.2	0.02	0.3	0.3	0.08	0.7	--	0.8	0.08	0.03	0.002	0.03	0.03	0.007	0.06	--	0.08	0.008	0.4	0.9	0.4	0.4	0.1	2	2	2	0.3	0.09	0.3	0.08	0.05	0.03	0.9	0.8	0.7	0.2
088-H2	House	0.1	0.01	0.2	0.2	0.05	0.4	--	0.5	0.06	0.02	0.001	0.02	0.02	0.005	0.04	--	0.05	0.006	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.05	0.03	0.8	0.8	0.7	0.2
088-O1	Other -Not Specified	0.2	0.01	0.2	0.3	0.06	0.7	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.06	--	0.06	0.006	0.4	0.9	0.4	0.4	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.9	0.8	0.7	0.2
089-A1	Agriculture	0.1	0.02	0.3	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.06	0.03	0.8	0.8	0.6	0.2
089-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.04	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.004	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
089-O1	Other -Not Specified	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.3	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
090-H1	House	0.05	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.006	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
090-O2	Other -Not Specified	0.06	0.02	0.3	0.4	0.04	0.5	--	0.5	0.02	0.007	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.2	0.9	0.5	0.4	0.1	2	2	2	0.2	0.07	0.3	0.09	0.06	0.03	0.8	0.8	0.6	0.2
091-G1	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.003	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
091-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
092-O1	Other -Not Specified	0.08	0.02	0.2	0.2	0.07	0.3	--	0.5	0.06	0.01	0.001	0.02	0.02	0.007	0.02	--	0.05	0.006	0.3	0.9	0.3	0.3	0.1	2	2	2	0.3	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2
092-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
093-H1	House	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.002	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
094-H1	House	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
094-P1	Play Area	0.1	0.01	0.2	0.3	0.04	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.06	--	0.05	0.004	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
095-A1	Agriculture	0.2	0.01	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.007	0.06	--	0.06	0.007	0.3	0.9	0.4	0.4	0.1	2	2	2	0.3	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
095-H1	House	0.2	0.02	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.02	0.03	0.005	0.05	--	0.06	0.005	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
095-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.07	0.5	--	0.5	0.06	0.02	0.001	0.02	0.03	0.006	0.05	--	0.05	0.006	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
095-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.08	0.6	--	0.6	0.07	0.02	0.001	0.02	0.03	0.008	0.06	--	0.06	0.007	0.4	0.9	0.4	0.4	0.2	2	2	2	0.3	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
096-H1	House	0.2	0.02	0.3	0.3	0.08	0.5	--	0.6	0.07	0.02	0.002	0.03	0.03	0.007	0.05	--	0.06	0.007	0.3	0.9	0.4	0.4	0.1	2	2	2	0.3	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
096-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.09	0.5	--	0.9	0.1	0.03	0.002	0.03	0.03	0.008	0.05	--	0.09	0.01	0.5	0.9	0.4	0.4	0.2	2	2	2	0.3	0.1	0.3	0.08	0.06	0.03	0.8	0.8	0.7	0.2
097-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.03	--	0.05	0.004	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
097-H2	House	0.08	0.02	0.2	0.3	0.03	0.2	--	0.6	0.04	0.009	0.002	0.02	0.03	0.003	0.02	--	0.05	0.004	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
098-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
098-H1	House	0.03	0.01	0.2	0.3	0.02	0.3	--	0.3	0.01	0.004	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
098-O1	Other -Not Specified	0.03	0.01	0.2	0.3	0.01	0.3	--	0.3	0.008	0.004	0.001	0.02	0.03	0.001	0.02	--	0.03	0.0008	0.2	0.9	0.4	0.4	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
099-A1	Agriculture	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2

Table 5-23. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																	Total HI Across Pathways														
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System														
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
099-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.4	--	0.3	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.03	0.003	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
099-H1	House	0.09	0.01	0.2	0.2	0.05	0.3	--	0.4	0.05	0.01	0.001	0.02	0.02	0.005	0.03	--	0.04	0.005	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
099-O1	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.005	0.03	--	0.05	0.005	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2
100-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.4	--	0.5	0.02	0.008	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.2	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
100-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.006	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
100-N1	Animal Activity Area	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
100-N2	Animal Activity Area	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
100-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.03	--	0.04	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
101-G1	Garden	0.09	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
101-H1	House	0.08	0.02	0.2	0.3	0.05	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.005	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
101-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.07	0.02	0.002	0.03	0.03	0.006	0.05	--	0.05	0.007	0.3	0.9	0.4	0.4	0.1	2	2	2	0.3	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
102-G1	Garden	0.09	0.02	0.4	0.4	0.03	0.6	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.6	0.2
102-H1	House	0.07	0.03	0.3	0.3	0.01	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.2	0.9	0.4	0.4	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
103-H1	House	0.1	0.01	0.2	0.3	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
103-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.04	--	0.04	0.004	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
104-H1	House	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.05	0.03	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006	0.4	0.9	0.4	0.4	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
104-H2	House	0.2	0.01	0.2	0.3	0.04	0.4	--	0.6	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.06	0.005	0.4	0.9	0.4	0.3	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
104-N1	Animal Activity Area	0.2	0.01	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	0.001	0.02	0.02	0.004	0.04	--	0.05	0.004	0.4	0.9	0.3	0.3	0.1	2	2	2	0.2	0.09	0.3	0.07	0.05	0.03	0.8	0.8	0.7	0.2
105-H1	House	0.1	0.01	0.1	0.2	0.04	0.3	--	0.3	0.03	0.01	0.0009	0.01	0.02	0.004	0.03	--	0.03	0.003	0.3	0.9	0.3	0.2	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
105-P1	Play Area	0.1	0.007	0.1	0.1	0.09	0.3	--	0.4	0.04	0.01	0.0007	0.009	0.01	0.009	0.02	--	0.04	0.004	0.3	0.9	0.2	0.2	0.2	2	2	2	0.2	0.08	0.3	0.07	0.04	0.04	0.8	0.8	0.6	0.2
106-G1	Garden	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.006	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
106-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.03	--	0.03	0.001	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
106-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.002	0.02	0.03	0.001	0.03	--	0.02	0.001	0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
106-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.01	0.3	--	0.3	0.008	0.006	0.002	0.02	0.03	0.001	0.03	--	0.03	0.0008	0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
107-H1	House	0.08	0.01	0.2	0.2	0.09	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.009	0.04	--	0.05	0.005	0.3	0.9	0.3	0.3	0.2	2	2	2	0.2	0.07	0.3	0.07	0.05	0.04	0.8	0.8	0.7	0.2
108-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.03	--	0.04	0.003	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
108-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.4	--	0.5	0.05	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.005	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
108-O2	Other -Not Specified	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.04	--	0.03	0.003	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
109-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
110-A1	Agriculture	0.1	0.01	0.3	0.3	0.05	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.05	--	0.05	0.004	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
110G	Garden	0.1	0.02	0.2	0.2	0.02	0.4	--	0.3	0.01	0.01	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.3	0.9	0.4	0.3	0.09	2	2	2	0.2	0.08	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
110-G1	Garden	0.1	0.01	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.05	--	0.04	0.003	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
110-G2	Garden	0.06	0.01	0.2	0.3	0.02	0.5	--	0.3	0.01	0.007	0.001	0.02	0.03	0.002	0.05	--	0.03	0.001	0.2	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
110-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
110-O1	Other -Not Specified	0.06	0.01	0.2	0.2	0.02	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
110-O2	Other -Not Specified	0.1	0.01	0.2	0.3	0.05	0.6	--	0.5	0.04	0.01	0.001	0.02	0.03	0.004	0.05	--	0.05	0.004	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
111-H1	House	0.07	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.008	0.001	0.02	0.02	0.001	0.03	--	0.03	0.001	0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
112G	Garden	0.3	0.03	0.3	0.3	0.1	0.6	--	0.7	0.06	0.04	0.002	0.03	0.02	0.01	0.05	--	0.07	0.006	0.5	0.9	0.4	0.3	0.2	2	2	2	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
112-G1	Garden	0.2	0.04	0.3	0.3	0.06	0.4	--	0.5	0.06	0.02	0.004	0.03	0.03	0.006	0.03	--	0.05	0.006	0.4	0.9	0.5	0.4	0.1	2	2	2	0.3	0.09	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
112-H1	House	0.2	0.04	0.3	0.3	0.05	0.3	--	0.4	0.06	0.02	0.003	0.03	0.03	0.005	0.03	--	0.04	0.006	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
112-O1	Other -Not Specified	0.3	0.03	0.3	0.3	0.1	0.4	--	0.7	0.1	0.03	0.003	0.03	0.03	0.01	0.04	--	0.07	0.01	0.4	0.9	0.4	0.3	0.2	2	2	2	0.3	0.09	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
113-G1	Garden	0.2	0.02	0.3	0.4	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008	0.4	0.9	0.5	0.4	0.2	2	2	2	0.3	0.09	0.3	0.09	0.06	0.03	0.8	0.8	0.7	0.2
113-G2	Garden	0.2	0.02	0.3	0.4	0.1	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.008	0.4	0.9	0.5	0.4	0.2	2	2	2	0.3	0.09	0.3	0.09	0.06	0.04	0.8	0.8	0.7	0.2
113-G3	Garden	0.1	0.02	0.2	0.2	0.06	0.3	--	0.4	0.04	0.01	0.002	0.02	0.02	0.005	0.03	--	0.04	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
113low	Other -Not Specified	0.3	0.02	0.3	0.3	0.08	0.6	--	0.8	0.08	0.03	0.002	0.03	0.03	0.008	0.06	--	0.08	0.008	0.5	0.9	0.4	0.4	0.2	2	2	2	0.3	0.1	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
113-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.06	0.02	0.002	0.03	0.03	0.006	0.04	--	0.05	0.006	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
113up	Other -Not Specified	0.5	0.02	0.3	0.3	0.1	0.6	--	1	0.1	0.05	0.001	0.02	0.02	0.01	0.06	--	0.1	0.01	0.7	0.9	0.4	0.3	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
114-G1	Garden	0.1	0.02	0.2	0.4	0.05	0.2	--	0.5	0.09	0.02	0.001	0.02	0.04	0.005	0.02	--	0.05	0.01	0.3	0.9	0.3	0.5	0.1	2	2	2	0.3	0.08	0.3	0.07	0.06	0.03	0.8	0.8	0.7	0.2
114-H1	House	0.2	0.02	0.2	0.5	0.08	0.3	--	0.6	0.1	0.02	0.002	0.02	0.05	0.008	0.03	--	0.06	0.01	0.3	0.9	0.4	0.6	0.2	2	2	2	0.3	0.08	0.3	0.08	0.07	0.03	0.8	0.8	0.7	0.2
114-O1	Other -Not Specified	0.1	0.02	0.2	0.5	0.07	0.3	--	0.6	0.09	0.02	0.002	0.02	0.05	0.007	0.03	--	0.06	0.01	0.3	0.9	0.4	0.6	0.1	2	2	2	0.3	0.08	0.3	0.08	0.07	0.03	0.8	0.8	0.7	0.2
115-O1	Other -Not Specified	0.5	0.03	0.4	0.4	0.1	0.4	--	1	0.06	0.06	0.002	0.03	0.04	0.01	0.03	--	0.1	0.007	0.7	0.9	0.5	0.4	0.2	2	2	3	0.3	0.1	0.3	0.09	0.06	0.04	0.8	0.8	0.7	0.2
115SP	Other -Not Specified	0.4	0.02	0.3	0.3	0.2	0.5	--	1	0.1	0.04	0.002	0.02	0.03	0.02	0.05	--	0.1	0.01	0.5	0.9	0.4	0.3	0.3	2	2	3	0.3	0.1	0.3	0.08	0.05	0.05	0.8	0.8	0.7	0.2
116M	House	0.2	0.02	0.2	0.4	0.2	0.2	--	0.7	0.08	0.03	0.001	0.02	0.04	0.02	0.02	--	0.07	0.008	0.4	0.9	0.4	0.5	0.2	2	2	2	0.3	0.09	0.3	0.08	0.06	0.04	0.8	0.8	0.7	0.2
116-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.008	0.002	0.02	0.03	0.004	0.05	--	0.04	0.004	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
117-O1	Other -Not Specified	0.1	0.04	0.4	0.5	0.01	0.5	--	0.4	0.006	0.02	0.003	0.04	0.04	0.001	0.04	--	0.04	0.0006	0.3	0.9	0.6	0.5	0.08	2	2	2	0.2	0.08	0.3	0.1	0.07	0.03	0.8	0.8	0.6	0.2
118-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.5	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.05	--	0.03	0.001	0.2	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
118-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.4	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.04	--	0.02	0.001	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
118-H1	House	0.04	0.01	0.2	0.3	0.01	0.4	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.04	--	0.03	0.001	0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
118-N1	Animal Activity Area	0.06	0.01	0.2	0.2	0.03	0.4	--	0.3	0.02	0.007	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.2	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
118-N2	Animal Activity Area	0.09	0.01	0.2	0.2	0.04	0.6	--	0.3	0.03	0.01	0.001	0.02	0.02	0.004	0.06	--	0.03	0.003	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
119-P1	Play Area	0.3	0.01	0.3	0.3	0.1	0.7	--	0.8	0.09	0.04	0.001	0.02	0.03	0.01	0.07	--	0.09	0.009	0.5	0.9	0.4	0.3	0.2	2	2	2	0.3	0.1	0.3	0.08	0.05	0.04	0.9	0.8	0.7	0.2
120-A1	Agriculture	0.08	0.03	0.2	0.2	0.03	0.3	--	0.3	0.03	0.009	0.003	0.02	0.02	0.003	0.02	--	0.03	0.003	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
120-G1	Garden	0.08	0.03	0.1	0.1	0.04	0.2	--	0.2	0.04	0.009	0.002	0.01	0.01	0.004	0.02	--	0.02	0.004	0.2	0.9	0.3	0.2	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
120-H1	House	0.09	0.02	0.2	0.2	0.04	0.2	--	0.3	0.03	0.01	0.002	0.01	0.02	0.004	0.02	--	0.03	0.003	0.3	0.9	0.3	0.2	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
120-O1	Other -Not Specified	0.1	0.04	0.2	0.2	0.05	0.3	--	0.3	0.04	0.01	0.004	0.02	0.02	0.005	0.03	--	0.03	0.004	0.3	0.9	0.3	0.2	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
121-G1	Garden	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.009	0.002	0.02	0.03	0.002	0.04	--	0.03	0.001	0.3	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2

Table 5-23. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																		**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																				
121-H1	House	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.04	--	0.03	0.002	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
121-N1	Animal Activity Area	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001	0.2	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
121-N2	Animal Activity Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.003	0.04	--	0.03	0.002	0.2	0.9	0.4	0.4	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
122-G1	Garden	0.07	0.01	0.2	0.2	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
122-G2	Garden	0.09	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
122-H1	House	0.08	0.02	0.3	0.3	0.04	0.5	--	0.4	0.05	0.009	0.001	0.02	0.03	0.004	0.04	--	0.04	0.005	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
122-H2	House	0.06	0.01	0.2	0.3	0.03	0.4	--	0.3	0.03	0.007	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
122-O1	Other -Not Specified	0.1	0.01	0.2	0.3	0.06	0.5	--	0.5	0.06	0.01	0.001	0.02	0.03	0.005	0.04	--	0.05	0.006	0.3	0.9	0.4	0.4	0.1	2	2	2	0.3	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
122-O2	Other -Not Specified	0.2	0.02	0.2	0.3	0.1	0.5	--	0.7	0.1	0.02	0.001	0.02	0.03	0.009	0.04	--	0.07	0.01	0.3	0.9	0.4	0.4	0.2	2	2	2	0.3	0.08	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
122-P1	Play Area	0.1	0.02	0.2	0.3	0.1	0.6	--	0.7	0.1	0.02	0.001	0.02	0.03	0.01	0.05	--	0.07	0.01	0.3	0.9	0.4	0.4	0.2	2	2	2	0.3	0.08	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
123-G1	Garden	0.2	0.02	0.3	0.4	0.05	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.9	0.8	0.7	0.2
123-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.4	0.04	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.004	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
123-H1	House	0.1	0.03	0.3	0.4	0.04	0.7	--	0.4	0.03	0.02	0.002	0.03	0.03	0.004	0.06	--	0.05	0.003	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.9	0.8	0.6	0.2
123-O1	Other -Not Specified	0.1	0.02	0.3	0.4	0.03	0.7	--	0.5	0.04	0.01	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.9	0.8	0.7	0.2
123-O2	Other -Not Specified	0.2	0.02	0.3	0.4	0.1	0.7	--	0.6	0.1	0.02	0.002	0.03	0.03	0.01	0.06	--	0.06	0.01	0.4	0.9	0.5	0.4	0.2	2	2	2	0.3	0.09	0.3	0.09	0.06	0.04	0.9	0.8	0.7	0.2
124-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.007	0.002	0.03	0.03	0.002	0.03	--	0.04	0.002	0.2	0.9	0.5	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
124-G2	Garden	0.2	0.05	0.6	0.4	0.05	0.5	--	0.7	0.05	0.02	0.005	0.06	0.04	0.005	0.05	--	0.07	0.005	0.3	1	0.8	0.5	0.1	2	2	2	0.2	0.08	0.3	0.1	0.06	0.03	0.8	0.8	0.7	0.2
124-H1	House	0.1	0.04	0.5	0.5	0.02	0.5	--	0.5	0.03	0.01	0.004	0.05	0.05	0.002	0.05	--	0.05	0.003	0.3	1	0.7	0.6	0.1	2	2	2	0.2	0.08	0.3	0.1	0.07	0.03	0.8	0.8	0.7	0.2
124-N1	Animal Activity Area	0.07	0.03	0.3	0.2	0.02	0.2	--	0.3	0.02	0.008	0.003	0.03	0.02	0.002	0.02	--	0.03	0.002	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
124-N2	Animal Activity Area	0.04	0.02	0.2	0.3	0.005	0.3	--	0.3	0.004	0.005	0.002	0.02	0.03	0.0005	0.03	--	0.02	0.0004	0.2	0.9	0.4	0.4	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
124-O1	Other -Not Specified	0.1	0.05	0.6	0.5	0.04	0.6	--	0.6	0.05	0.02	0.004	0.05	0.05	0.004	0.05	--	0.06	0.005	0.3	1	0.7	0.6	0.1	2	2	2	0.2	0.08	0.3	0.1	0.07	0.03	0.8	0.8	0.7	0.2
125-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.3	--	0.4	0.03	0.01	0.002	0.03	0.03	0.003	0.03	--	0.04	0.003	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
126-A1	Agriculture	0.07	0.01	0.1	0.2	0.03	0.3	--	0.3	0.03	0.009	0.001	0.01	0.02	0.003	0.03	--	0.03	0.003	0.2	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
126-G1	Garden	0.09	0.02	0.2	0.3	0.02	0.3	--	0.4	0.01	0.01	0.001	0.02	0.03	0.002	0.03	--	0.04	0.001	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
126-G2	Garden	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
126-H1	House	0.04	0.01	0.1	0.2	0.01	0.2	--	0.2	0.01	0.005	0.0009	0.01	0.02	0.001	0.02	--	0.02	0.001	0.2	0.9	0.3	0.3	0.08	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
126-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.01	0.02	0.002	0.03	--	0.03	0.002	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
126-O2	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.2	--	0.2	0.01	0.006	0.0009	0.01	0.02	0.002	0.02	--	0.02	0.001	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
126-O3	Other -Not Specified	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.001	0.02	0.03	0.002	0.03	--	0.04	0.002	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
126-P1	Play Area	0.06	0.009	0.1	0.2	0.02	0.2	--	0.3	0.01	0.007	0.0008	0.01	0.02	0.002	0.01	--	0.03	0.001	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
127-A1	Agriculture	0.1	0.02	0.2	0.3	0.08	0.6	--	0.5	0.05	0.02	0.001	0.02	0.03	0.007	0.05	--	0.05	0.005	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
127-G1	Garden	0.07	0.01	0.2	0.3	0.03	0.4	--	0.4	0.02	0.009	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
127-G2	Garden	0.09	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.003	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
127-H1	House	0.1	0.02	0.2	0.3	0.05	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.005	0.04	--	0.04	0.004	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
127-H2	House	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
127-N1	Animal Activity Area	0.09	0.01	0.2	0.3	0.06	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.004	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
128-G1	Garden	0.2	0.04	0.4	0.4	0.03	0.5	--	0.5	0.02	0.02	0.004	0.04	0.04	0.002	0.04	--	0.05	0.002	0.4	1	0.5	0.5	0.1	2	2	2	0.2	0.09	0.3	0.09	0.06	0.03	0.8	0.8	0.7	0.2
128-G2	Garden	0.2	0.06	0.3	0.3	0.04	0.5	--	0.5	0.04	0.02	0.005	0.03	0.03	0.003	0.04	--	0.05	0.004	0.3	1	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
128-G3	Garden	0.1	0.03	0.3	0.4	0.02	0.5	--	0.5	0.02	0.01	0.002	0.03	0.04	0.002	0.05	--	0.04	0.002	0.3	0.9	0.5	0.4	0.09	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.6	0.2
128-N1	Animal Activity Area	0.2	0.03	0.3	0.4	0.05	0.5	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.05	--	0.05	0.004	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.7	0.2
128-O1	Other -Not Specified	0.1	0.05	0.3	0.4	0.03	0.5	--	0.5	0.03	0.02	0.005	0.03	0.03	0.003	0.05	--	0.05	0.003	0.3	1	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.7	0.2
129-H1	House	0.2	0.01	0.2	0.3	0.1	0.2	--	0.7	0.07	0.02	0.001	0.02	0.03	0.01	0.02	--	0.07	0.007	0.4	0.9	0.3	0.3	0.2	2	2	2	0.3	0.09	0.3	0.07	0.05	0.04	0.8	0.8	0.7	0.2
129-H2	House	0.2	0.01	0.2	0.2	0.1	0.3	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.03	--	0.06	0.008	0.3	0.9	0.3	0.3	0.2	2	2	2	0.3	0.08	0.3	0.07	0.04	0.04	0.8	0.8	0.7	0.2
130-G1	Garden	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.02	0.001	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
130-H1	House	0.03	0.01	0.2	0.3	0.009	0.2	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.2	0.9	0.3	0.3	0.08	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
130-H2	House	0.07	0.02	0.2	0.3	0.02	0.4	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.04	0.002	0.2	0.9	0.4	0.4	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
131-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.5	0.05	0.01	0.002	0.02	0.03	0.003	0.03	--	0.05	0.005	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
132-G1	Garden	0.04	0.01	0.2	0.3	0.01	0.2	--	0.3	0.009	0.005	0.001	0.02	0.03	0.001	0.02	--	0.02	0.0009	0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
132-G2	Garden	0.04	0.02	0.2	0.3	0.005	0.3	--	0.2	0.004	0.004	0.001	0.02	0.03	0.0005	0.03	--	0.02	0.0004	0.2	0.9	0.4	0.4	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
132-H1	House	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.006	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
132-O1	Other -Not Specified	0.05	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.006	0.002	0.02	0.03	0.002	0.03	--	0.03	0.001	0.2	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
133-G1	Garden	0.2	0.02	0.2	0.3	0.07	0.5	--	0.6	0.06	0.02	0.002	0.02	0.03	0.007	0.04	--	0.05	0.006	0.4	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
133-H1	House	0.1	0.05	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.005	0.02	0.03	0.003	0.03	--	0.04	0.003	0.3	1	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
134-O1	Other -Not Specified	0.4	0.01	0.2	0.3	0.2	0.4	--	1	0.1	0.05	0.001	0.02	0.03	0.02	0.04	--	0.1	0.01	0.6	0.9	0.4	0.3	0.3	2	2	3	0.3	0.1	0.3	0.08	0.05	0.05	0.8	0.8	0.7	0.2
135-G1	Garden	0.2	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.002	0.02	0.02	0.004	0.05	--	0.05	0.004	0.4	0.9	0.4	0.3	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
135-H1	House	0.2	0.02	0.3	0.3	0.04	0.5	--	0.6	0.05	0.02	0.002	0.02	0.03	0.004	0.05	--	0.06	0.005	0.4	0.9	0.4	0.4	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
135-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.04	0.6	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.06	--	0.05	0.004	0.4	0.9	0.4	0.4	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
136-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
136-G1	Garden	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.007	0.002	0.02	0.02	0.002	0.03	--	0.03	0.001	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
136-H1	House	0.06	0.02	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.002	0.02	0.02	0.003	0.02	--	0.03	0.002	0.2	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
136-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.07	0.01	0.001	0.01	0.02	0.007	0.03	--	0.04	0.007	0.3	0.9	0.3	0.3	0.1	2	2	2	0.3	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
137-O1	Other -Not Specified	0.07	0.01	0.1	0.2	0.07	0.3	--	0.4	0.07	0.008	0.0009	0.01	0.02	0.006	0.03	--	0.04	0.007	0.2	0.9	0.3	0.2	0.1	2	2	2	0.3	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
137-O2	Other -Not Specified	0.08	0.01	0.2	0.2	0.05	0.3	--	0.4	0.06	0.009	0.001	0.02	0.02	0.005	0.03	--	0.04	0.006	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
138-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.003	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
138-G2	Garden	0.08	0.03	0.3	0.3	0.04	0.4	--	0.3	0.03	0.009	0.003	0.03	0.03	0.004	0.04	--	0.03	0.003	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
138-H1	House	0.09	0.03	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.003	0.03	0.03	0.003	0.04	--	0.04	0.002	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.07	0.3	0.09	0.06	0.03	0.8	0.8	0.6	0.2
138-O1	Other -Not Specified	0.06	0.02	0.3	0.4	0.02	0.4	--	0.3	0.02	0.007	0.002	0.03	0.04	0.002	0.04	--	0.03	0.002	0.2	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.06	0.03	0.8	0.8	0.6	0.2

Table 5-23. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																	**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																		
138-O2	Other -Not Specified	0.09	0.04	0.3	0.3	0.03	0.3	--	0.3	0.06	0.01	0.004	0.02	0.02	0.003	0.03	--	0.03	0.006	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
139-G1	Garden	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
139-G2	Garden	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.02	0.009	0.002	0.02	0.03	0.003	0.04	--	0.04	0.002	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
139-H1	House	0.06	0.01	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
139-N1	Animal Activity Area	0.07	0.01	0.3	0.3	0.03	0.4	--	0.4	0.02	0.008	0.001	0.02	0.03	0.003	0.04	--	0.04	0.002	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
140-G1	Garden	0.4	0.01	0.3	0.3	0.2	0.8	--	0.8	0.09	0.04	0.001	0.02	0.03	0.02	0.07	--	0.08	0.009	0.5	0.9	0.4	0.4	0.2	2	2	2	0.3	0.1	0.3	0.08	0.05	0.04	0.9	0.8	0.7	0.2
140-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
140-O1	Other -Not Specified	0.6	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.07	0.001	0.02	0.03	0.02	0.05	--	0.1	0.01	0.8	0.9	0.4	0.3	0.3	2	2	3	0.3	0.1	0.3	0.08	0.05	0.05	0.8	0.8	0.7	0.2
140-O2[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
141-A1	Agriculture	0.1	0.03	0.5	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.002	0.3	0.9	0.6	0.5	0.1	2	2	2	0.2	0.08	0.3	0.1	0.06	0.03	0.8	0.8	0.6	0.2
141-H1	House	0.1	0.03	0.4	0.4	0.03	0.4	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	0.3	0.9	0.6	0.5	0.1	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.6	0.2
141-H2	House	0.2	0.04	0.5	0.5	0.05	0.6	--	0.5	0.04	0.02	0.003	0.05	0.05	0.005	0.05	--	0.05	0.004	0.3	0.9	0.7	0.6	0.1	2	2	2	0.2	0.09	0.3	0.1	0.07	0.03	0.8	0.8	0.7	0.2
141-H3	House	0.1	0.03	0.4	0.4	0.04	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.003	0.3	0.9	0.5	0.5	0.1	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.6	0.2
141-N1	Animal Activity Area	0.08	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.03	0.002	0.3	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
141-N2	Animal Activity Area	0.2	0.03	0.5	0.5	0.04	0.6	--	0.5	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.05	0.003	0.3	0.9	0.6	0.5	0.1	2	2	2	0.2	0.08	0.3	0.1	0.07	0.03	0.8	0.8	0.7	0.2
141-N3	Animal Activity Area	0.05	0.01	0.2	0.2	0.01	0.2	--	0.3	0.008	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.0008	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
141-N4	Animal Activity Area	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.02	0.02	0.003	0.04	0.04	0.003	0.04	--	0.04	0.002	0.3	0.9	0.6	0.5	0.1	2	2	2	0.2	0.08	0.3	0.1	0.06	0.03	0.8	0.8	0.6	0.2
141-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.04	0.003	0.3	0.9	0.5	0.5	0.1	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.6	0.2
142-H1	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.03	0.03	0.004	0.04	--	0.05	0.004	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
142-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.04	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.004	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
143-A1	Agriculture	0.08	0.01	0.2	0.3	0.03	0.4	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.04	--	0.03	0.002	0.2	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
143-G1	Garden	0.08	0.01	0.2	0.2	0.03	0.4	--	0.4	0.02	0.01	0.001	0.02	0.02	0.003	0.03	--	0.04	0.002	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
143-G2	Garden	0.08	0.01	0.2	0.2	0.02	0.4	--	0.4	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
143-H1	House	0.09	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.003	0.04	--	0.04	0.003	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
144-G1	Garden	0.1	0.02	0.3	0.3	0.06	0.5	--	0.5	0.05	0.02	0.002	0.03	0.03	0.006	0.04	--	0.06	0.005	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
144-H1	House	0.2	0.01	0.2	0.3	0.06	0.5	--	0.6	0.06	0.02	0.001	0.02	0.03	0.006	0.04	--	0.06	0.006	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
145-A1	Agriculture	0.07	0.02	0.2	0.3	0.03	0.4	--	0.4	0.03	0.009	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
145-H1	House	0.1	0.02	0.3	0.3	0.06	0.6	--	0.6	0.07	0.02	0.002	0.02	0.03	0.006	0.06	--	0.06	0.007	0.3	0.9	0.4	0.4	0.1	2	2	2	0.3	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
146G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.5	0.01	0.01	0.002	0.03	0.03	0.002	0.05	--	0.05	0.001	0.3	0.9	0.5	0.4	0.09	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
146-H1	House	0.7	0.01	0.3	0.3	0.4	0.8	--	2	0.6	0.07	0.001	0.02	0.03	0.04	0.07	--	0.2	0.06	0.8	0.9	0.4	0.4	0.5	2	2	4	0.8	0.1	0.3	0.08	0.05	0.06	0.9	0.8	0.8	0.2
147-G1	Garden	0.06	0.02	0.3	0.3	0.02	0.4	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.04	--	0.03	0.002	0.2	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
147-G2	Garden	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.001	0.02	0.03	0.004	0.04	--	0.04	0.004	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
147-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
148-H1	House	0.04	0.01	0.2	0.3	0.02	0.2	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.03	0.002	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
148-O1	Other -Not Specified	0.06	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.007	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.2	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
148-O3	Other -Not Specified	0.1	0.02	0.2	0.3	0.05	0.3	--	0.5	0.04	0.01	0.002	0.02	0.03	0.005	0.02	--	0.05	0.004	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
149-A1	Agriculture	0.2	0.2	1	0.7	0.05	0.7	--	1	0.2	0.02	0.02	0.09	0.06	0.005	0.06	--	0.1	0.02	0.3	1	1	0.7	0.1	2	2	3	0.4	0.08	0.4	0.1	0.08	0.03	0.9	0.8	0.7	0.2
149-G1	Garden	0.1	0.09	0.7	0.5	0.05	0.7	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.06	--	0.07	0.008	0.3	1	0.9	0.6	0.1	2	2	2	0.3	0.08	0.3	0.1	0.07	0.03	0.9	0.8	0.7	0.2
149-G2	Garden	0.1	0.09	0.7	0.5	0.04	0.6	--	0.7	0.08	0.02	0.009	0.07	0.05	0.004	0.05	--	0.07	0.008	0.3	1	0.8	0.6	0.1	2	2	2	0.3	0.08	0.3	0.1	0.07	0.03	0.8	0.8	0.7	0.2
149-H1	House	0.1	0.09	0.7	0.5	0.06	0.6	--	0.7	0.09	0.02	0.009	0.07	0.05	0.005	0.06	--	0.07	0.009	0.3	1	0.9	0.6	0.1	2	2	2	0.3	0.08	0.3	0.1	0.07	0.03	0.8	0.8	0.7	0.2
149-N1	Animal Activity Area	0.1	0.07	0.5	0.4	0.03	0.5	--	0.6	0.06	0.01	0.006	0.05	0.04	0.003	0.05	--	0.05	0.006	0.3	1	0.7	0.5	0.1	2	2	2	0.2	0.08	0.3	0.1	0.06	0.03	0.8	0.8	0.7	0.2
150-G1	Garden	0.06	0.01	0.2	0.2	0.02	0.3	--	0.3	0.01	0.007	0.001	0.02	0.02	0.002	0.02	--	0.03	0.001	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
150-H1	House	0.05	0.02	0.2	0.2	0.02	0.3	--	0.3	0.01	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.001	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
151-H1	House	0.1	0.02	0.2	0.3	0.03	0.4	--	0.4	0.04	0.01	0.002	0.02	0.03	0.003	0.04	--	0.04	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
152-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.5	--	0.5	0.04	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
152-H1	House	0.2	0.02	0.3	0.2	0.07	0.4	--	0.5	0.06	0.02	0.002	0.03	0.02	0.007	0.03	--	0.05	0.006	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.04	0.03	0.8	0.8	0.7	0.2
153-G1	Garden	0.2	0.02	0.2	0.3	0.06	0.6	--	0.5	0.04	0.02	0.001	0.02	0.03	0.005	0.06	--	0.05	0.004	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
153-H1	House	0.3	0.02	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	0.002	0.03	0.03	0.01	0.06	--	0.08	0.01	0.5	0.9	0.5	0.4	0.2	2	2	2	0.3	0.1	0.3	0.09	0.05	0.04	0.9	0.8	0.7	0.2
153-O1	Other -Not Specified	0.2	0.02	0.3	0.3	0.1	0.9	--	0.6	0.1	0.02	0.001	0.03	0.03	0.01	0.08	--	0.06	0.01	0.3	0.9	0.4	0.3	0.2	2	2	2	0.3	0.08	0.3	0.08	0.05	0.04	0.9	0.8	0.7	0.2
153-O2	Other -Not Specified	0.2	0.009	0.1	0.2	0.2	0.5	--	0.6	0.1	0.02	0.0008	0.01	0.02	0.02	0.04	--	0.06	0.01	0.3	0.9	0.3	0.2	0.2	2	2	2	0.3	0.08	0.3	0.07	0.04	0.04	0.8	0.8	0.7	0.2
153-O3	Other -Not Specified	0.3	0.02	0.3	0.3	0.1	0.7	--	0.7	0.08	0.03	0.002	0.02	0.03	0.01	0.07	--	0.07	0.008	0.4	0.9	0.4	0.4	0.2	2	2	2	0.3	0.09	0.3	0.08	0.05	0.04	0.9	0.8	0.7	0.2
153-O5	Other -Not Specified	0.3	0.02	0.2	0.3	0.1	0.7	--	0.8	0.09	0.03	0.001	0.02	0.03	0.01	0.07	--	0.08	0.009	0.5	0.9	0.4	0.4	0.2	2	2	2	0.3	0.1	0.3	0.08	0.05	0.04	0.9	0.8	0.7	0.2
153-O6	Other -Not Specified	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.4	0.9	0.4	0.4	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.9	0.8	0.7	0.2
153-O7	Other -Not Specified	0.3	0.02	0.3	0.3	0.2	0.8	--	0.8	0.1	0.04	0.002	0.02	0.03	0.02	0.07	--	0.08	0.01	0.5	0.9	0.4	0.4	0.2	2	2	2	0.3	0.1	0.3	0.08	0.05	0.04	0.9	0.8	0.7	0.2
153-P1	Play Area	0.3	0.02	0.3	0.3	0.1	0.8	--	0.9	0.1	0.03	0.002	0.03	0.03	0.01	0.07	--	0.09	0.01	0.5	0.9	0.5	0.4	0.2	2	2	2	0.3	0.1	0.3	0.09	0.05	0.04	0.9	0.8	0.7	0.2
154-G1	Garden	0.04	0.02	0.3	0.3	0.01	0.4	--	0.3	0.01	0.005	0.002	0.03	0.03	0.001	0.03	--	0.03	0.001	0.2	0.9	0.4	0.4	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
154-H1	House	0.04	0.02	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.002	0.02	0.02	0.002	0.02	--	0.03	0.001	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
155-G1	Garden	0.2	0.01	0.2	0.2	0.08	0.5	--	0.5	0.05	0.02	0.001	0.02	0.02	0.007	0.04	--	0.05	0.006	0.3	0.9	0.4	0.3	0.2	2	2	2	0.2	0.08	0.3	0.08	0.04	0.03	0.8	0.8	0.7	0.2
155-G2	Garden	0.09	0.02	0.2	0.3	0.05	0.3	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.04	0.003	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
155-H1	House	0.07	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
155-H2	House	0.1	0.01	0.2	0.2	0.07	0.4	--	0.5	0.04	0.01	0.001	0.02	0.02	0.007	0.03	--	0.05	0.004	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2
155-O2	Other -Not Specified	0.2	0.01	0.2	0.2	0.1	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.01	0.04	--	0.06	0.008	0.3	0.9	0.3	0.3	0.2	2	2	2	0.3	0.08	0.3	0.07	0.04	0.04	0.8	0.8	0.7	0.2
156-H1	House	0.08	0.02	0.2	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
156-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005	0.3	0.9	0.3	0.3	0.2	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2
157-G1	Garden	0.07	0.02	0.3	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
157-H1	House	0.09	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.01	0.002	0.02	0.02	0.004	0.02	--	0.05	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2

Table 5-23. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
157-H2	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.009	0.002	0.02	0.02	0.003	0.02	--	0.04	0.003	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
157-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.02	--	0.03	0.003	0.2	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
158-H1	House	0.06	0.02	0.2	0.3	0.02	0.2	--	0.3	0.01	0.007	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
158-O1	Other -Not Specified	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.03	0.002	0.02	--	0.03	0.001	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
159-G1	Garden	0.1	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
159-H1	House	0.08	0.01	0.2	0.2	0.02	0.2	--	0.3	0.02	0.01	0.001	0.01	0.02	0.002	0.02	--	0.03	0.002	0.3	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
159-H2	House	0.1	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
159-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
159-O2	Other -Not Specified	0.07	0.01	0.2	0.2	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
160-G1	Garden	0.1	0.01	0.2	0.2	0.03	0.4	--	0.4	0.04	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
160-H1	House	0.09	0.01	0.2	0.3	0.02	0.4	--	0.4	0.02	0.01	0.001	0.02	0.03	0.002	0.04	--	0.04	0.002	0.3	0.9	0.4	0.3	0.09	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
160-H2	House	0.08	0.02	0.2	0.3	0.02	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.002	0.03	--	0.03	0.002	0.3	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
161-H1	House	0.1	0.02	0.2	0.3	0.04	0.4	--	0.5	0.05	0.02	0.001	0.02	0.03	0.004	0.04	--	0.05	0.005	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
161-N1	Animal Activity Area	0.08	0.01	0.2	0.2	0.03	0.3	--	0.3	0.04	0.01	0.001	0.02	0.02	0.003	0.03	--	0.03	0.004	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
162-H1	House	0.05	0.01	0.2	0.2	0.05	0.2	--	0.3	0.03	0.006	0.0009	0.02	0.02	0.005	0.02	--	0.03	0.003	0.2	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
163G	Garden	0.3	0.02	0.2	0.3	0.05	0.5	--	0.7	0.06	0.04	0.002	0.02	0.03	0.005	0.05	--	0.07	0.006	0.5	0.9	0.4	0.3	0.1	2	2	2	0.2	0.1	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
163-G1	Garden	0.06	0.01	0.2	0.2	0.03	0.3	--	0.3	0.02	0.007	0.001	0.02	0.02	0.003	0.03	--	0.03	0.002	0.2	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
163-O1	Other -Not Specified	0.07	0.01	0.2	0.3	0.04	0.3	--	0.4	0.03	0.008	0.001	0.02	0.02	0.004	0.03	--	0.04	0.003	0.2	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
164-H1	House	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.05	0.01	0.002	0.02	0.03	0.006	0.03	--	0.04	0.005	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
165-H1	House	0.1	0.05	0.6	0.5	0.03	0.5	--	0.4	0.02	0.02	0.004	0.06	0.05	0.003	0.05	--	0.04	0.002	0.3	1	0.8	0.6	0.1	2	2	2	0.2	0.08	0.3	0.1	0.07	0.03	0.8	0.8	0.6	0.2
165-O1	Other -Not Specified	0.2	0.06	0.9	0.7	0.07	0.7	--	0.5	0.05	0.03	0.005	0.08	0.06	0.007	0.06	--	0.06	0.005	0.4	1	1	0.7	0.1	2	2	2	0.2	0.09	0.3	0.1	0.09	0.03	0.9	0.8	0.7	0.2
166-O1	Other -Not Specified	0.2	0.01	0.2	0.4	0.1	0.2	--	0.6	0.1	0.02	0.001	0.02	0.03	0.009	0.02	--	0.06	0.01	0.4	0.9	0.3	0.4	0.2	2	2	2	0.3	0.09	0.3	0.07	0.06	0.04	0.8	0.8	0.7	0.2
167-O1	Other -Not Specified	0.08	0.01	0.2	0.3	0.03	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.003	0.02	--	0.04	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
167-O2	Other -Not Specified	0.09	0.01	0.2	0.2	0.05	0.2	--	0.5	0.04	0.01	0.001	0.02	0.02	0.005	0.02	--	0.05	0.004	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2
167-O3	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.6	0.07	0.01	0.001	0.02	0.02	0.008	0.03	--	0.06	0.007	0.3	0.9	0.4	0.3	0.2	2	2	2	0.3	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
167-O4	Other -Not Specified	0.09	0.01	0.2	0.3	0.06	0.3	--	0.6	0.04	0.01	0.001	0.02	0.03	0.005	0.03	--	0.06	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
167-O5	Other -Not Specified	0.1	0.01	0.2	0.3	0.07	0.3	--	0.6	0.04	0.01	0.001	0.02	0.02	0.006	0.03	--	0.06	0.004	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.05	0.03	0.8	0.8	0.7	0.2
167-O6	Other -Not Specified	0.1	0.01	0.2	0.3	0.09	0.4	--	0.5	0.07	0.01	0.001	0.02	0.02	0.008	0.04	--	0.05	0.007	0.3	0.9	0.3	0.3	0.2	2	2	2	0.3	0.08	0.3	0.07	0.05	0.03	0.8	0.8	0.7	0.2
167-O7	Other -Not Specified	0.2	0.01	0.2	0.3	0.2	0.4	--	0.8	0.1	0.03	0.001	0.02	0.02	0.02	0.04	--	0.08	0.01	0.4	0.9	0.4	0.3	0.2	2	2	2	0.3	0.09	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
167-O8	Other -Not Specified	0.08	0.01	0.2	0.2	0.08	0.3	--	0.5	0.04	0.009	0.001	0.01	0.02	0.008	0.03	--	0.05	0.004	0.2	0.9	0.3	0.3	0.2	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
167-O9	Other -Not Specified	0.09	0.01	0.2	0.3	0.08	0.3	--	0.5	0.05	0.01	0.001	0.02	0.02	0.008	0.03	--	0.05	0.005	0.3	0.9	0.3	0.3	0.2	2	2	2	0.2	0.08	0.3	0.07	0.05	0.03	0.8	0.8	0.7	0.2
168-G1	Garden	0.04	0.02	0.2	0.3	0.02	0.3	--	0.3	0.03	0.005	0.002	0.02	0.02	0.002	0.03	--	0.03	0.003	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
168-G2	Garden	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
168-H1	House	0.04	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001	0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
168-N1	Animal Activity Area	0.05	0.02	0.2	0.2	0.02	0.3	--	0.2	0.03	0.006	0.002	0.02	0.02	0.002	0.03	--	0.02	0.003	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
168-O1	Other -Not Specified	0.2	0.05	0.3	0.3	0.09	0.3	--	0.5	0.06	0.02	0.005	0.02	0.03	0.008	0.02	--	0.05	0.006	0.4	1	0.4	0.3	0.2	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
169A	Other -Not Specified	0.1	0.01	0.2	0.4	0.2	0.2	--	0.5	0.05	0.01	0.001	0.02	0.04	0.02	0.02	--	0.05	0.005	0.3	0.9	0.4	0.5	0.3	2	2	2	0.2	0.08	0.3	0.08	0.06	0.04	0.8	0.8	0.7	0.2
169-G2	Garden	0.06	0.01	0.2	0.3	0.03	0.2	--	0.3	0.02	0.007	0.001	0.02	0.03	0.003	0.02	--	0.03	0.002	0.2	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
169-G3	Garden	0.08	0.02	0.3	0.4	0.03	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.003	0.04	--	0.03	0.002	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.07	0.3	0.08	0.06	0.03	0.8	0.8	0.6	0.2
169-G4	Garden	0.07	0.02	0.2	0.3	0.04	0.3	--	0.3	0.02	0.008	0.001	0.02	0.03	0.004	0.03	--	0.03	0.002	0.2	0.9	0.4	0.4	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
169-H1	House	0.05	0.01	0.2	0.2	0.03	0.3	--	0.2	0.02	0.006	0.001	0.01	0.02	0.002	0.03	--	0.02	0.002	0.2	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
170-G1	Garden	0.08	0.02	0.2	0.3	0.03	0.4	--	0.3	0.02	0.01	0.001	0.02	0.03	0.003	0.04	--	0.03	0.002	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
170-G2	Garden	0.1	0.02	0.2	0.3	0.06	0.4	--	0.4	0.06	0.01	0.001	0.02	0.03	0.006	0.03	--	0.04	0.006	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
170-H1	House	0.07	0.01	0.2	0.3	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.03	0.003	0.03	--	0.03	0.003	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
171-A1	Agriculture	0.2	0.04	0.6	0.5	0.07	0.6	--	0.7	0.08	0.02	0.004	0.05	0.05	0.006	0.06	--	0.07	0.009	0.3	1	0.7	0.6	0.1	2	2	2	0.3	0.08	0.3	0.1	0.07	0.03	0.8	0.8	0.7	0.2
171-G1	Garden	0.2	0.03	0.5	0.4	0.1	0.7	--	0.8	0.1	0.02	0.003	0.04	0.04	0.01	0.07	--	0.08	0.01	0.4	0.9	0.6	0.5	0.2	2	2	2	0.3	0.09	0.3	0.1	0.06	0.04	0.9	0.8	0.7	0.2
171-H1	House	0.1	0.03	0.3	0.4	0.08	0.4	--	0.6	0.08	0.01	0.002	0.03	0.03	0.007	0.04	--	0.06	0.008	0.3	0.9	0.5	0.4	0.1	2	2	2	0.3	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.7	0.2
172U	Other -Not Specified	0.2	0.02	0.2	0.5	0.08	0.2	--	0.6	0.1	0.02	0.002	0.02	0.05	0.007	0.02	--	0.06	0.01	0.4	0.9	0.3	0.6	0.1	2	2	2	0.3	0.09	0.3	0.07	0.07	0.03	0.8	0.8	0.7	0.2
173-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.009	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002	0.2	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
173-G2	Garden	0.05	0.02	0.2	0.3	0.009	0.2	--	0.2	0.006	0.006	0.002	0.02	0.03	0.0008	0.02	--	0.02	0.0006	0.2	0.9	0.4	0.4	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
173-G3	Garden	0.1	0.03	0.2	0.4	0.04	0.4	--	0.4	0.03	0.02	0.002	0.02	0.03	0.004	0.04	--	0.04	0.003	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.06	0.03	0.8	0.8	0.6	0.2
173-G4	Garden	0.1	0.03	0.2	0.3	0.05	0.4	--	0.4	0.04	0.02	0.003	0.02	0.03	0.005	0.04	--	0.04	0.004	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
173-G5	Garden	0.09	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.01	0.002	0.03	0.03	0.002	0.03	--	0.03	0.001	0.3	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
173-H1	House	0.1	0.02	0.2	0.3	0.05	0.3	--	0.4	0.05	0.01	0.002	0.02	0.03	0.005	0.03	--	0.04	0.005	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
173-P1	Play Area	0.1	0.02	0.2	0.3	0.07	0.4	--	0.5	0.06	0.01	0.002	0.02	0.03	0.007	0.03	--	0.05	0.006	0.3	0.9	0.4	0.4	0.1	2	2	2	0.3	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
174-A1	Agriculture	0.1	0.03	0.3	0.3	0.04	0.7	--	0.5	0.04	0.02	0.002	0.03	0.03	0.003	0.07	--	0.05	0.004	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
174-G1	Garden	0.1	0.03	0.3	0.3	0.04	0.8	--	0.5	0.04	0.02	0.002	0.03	0.03	0.004	0.07	--	0.05	0.004	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
174-H1	House	0.2	0.03	0.3	0.3	0.09	0.7	--	0.5	0.06	0.02	0.003	0.03	0.03	0.009	0.06	--	0.05	0.006	0.3	0.9	0.5	0.3	0.2	2	2	2	0.2	0.08	0.3	0.09	0.05	0.04	0.9	0.8	0.7	0.2
174M	House	0.05	0.01	0.2	0.2	0.008	0.2	--	0.2	0.01	0.006	0.001	0.02	0.02	0.0007	0.02	--	0.02	0.001	0.2	0.9	0.3	0.3	0.08	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
175-G1	Garden	0.08	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.009	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.2	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
175-G2	Garden	0.04	0.01	0.2	0.2	0.02	0.2	--	0.3	0.01	0.005	0.001	0.01	0.02	0.002	0.02	--	0.02	0.001	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
175-H1	House	0.06	0.01	0.2	0.2	0.04	0.3	--	0.3	0.03	0.007	0.001	0.01	0.02	0.004	0.02	--	0.03	0.003	0.2	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
176-A1	Agriculture	0.08	0.02	0.2	0.2	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.03	--	0.04	0.002	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
176G	Garden	0.2	0.02	0.2	0.2	0.06	0.3	--	0.5	0.05	0.02	0.002	0.02	0.02	0.005	0.03	--	0.05	0.005	0.4	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2
176-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.3	0.02	0.009	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
176-H2	House	0.07	0.02	0.2	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.02	0.002	0.03	--	0.04	0.002	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
176M	House	0.2	0.01	0.2	0.2	0.07	0.4	--	0.6	0.08	0.02	0.001	0.02	0.02	0.007	0.04	--	0.06	0.008	0.4	0.9	0.3	0.3	0.1	2	2	2	0.3	0.09	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2

Table 5-23. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																	**Total HI Across Pathways**																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	**By Target Organ System**																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																			
176-P1	Play Area	0.07	0.01	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.03	--	0.03	0.002	0.2	0.9	0.3	0.3	0.09	2	2	2	0.2	0.07	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
178-H1	House	0.07	0.02	0.3	0.3	0.02	0.4	--	0.3	0.01	0.008	0.002	0.03	0.03	0.002	0.04	--	0.03	0.001	0.2	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
179-H1	House	0.1	0.02	0.2	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.02	0.03	0.003	0.05	--	0.04	0.003	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
180-H1	House	0.3	0.02	0.2	0.3	0.2	0.3	--	0.9	0.06	0.03	0.001	0.02	0.03	0.01	0.03	--	0.09	0.006	0.5	0.9	0.4	0.4	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
180-H2[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003	0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
180-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.3	0.3	--	1	0.09	0.02	0.001	0.02	0.03	0.02	0.03	--	0.1	0.009	0.4	0.9	0.4	0.4	0.3	2	2	3	0.3	0.09	0.3	0.08	0.05	0.05	0.8	0.8	0.7	0.2
181-A1	Agriculture	0.2	0.02	0.3	0.3	0.05	0.7	--	0.6	0.04	0.02	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.4	0.9	0.4	0.4	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.9	0.8	0.7	0.2
181-G1	Garden	0.2	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.02	0.002	0.02	0.03	0.003	0.04	--	0.04	0.001	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
181-G2	Garden	0.2	0.02	0.3	0.3	0.05	0.6	--	0.6	0.04	0.03	0.002	0.03	0.03	0.005	0.06	--	0.06	0.004	0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.09	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
181-H1	House	0.2	0.02	0.3	0.3	0.06	0.7	--	0.6	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.06	0.005	0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.09	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
181-H2	House	0.3	0.02	0.3	0.3	0.06	0.7	--	0.7	0.04	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.004	0.5	0.9	0.5	0.4	0.1	2	2	2	0.2	0.1	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
181-N1	Animal Activity Area	0.3	0.02	0.3	0.3	0.06	0.8	--	0.7	0.05	0.03	0.002	0.03	0.03	0.006	0.07	--	0.07	0.005	0.5	0.9	0.5	0.4	0.1	2	2	2	0.2	0.1	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
181-N2	Animal Activity Area	0.2	0.02	0.3	0.3	0.07	0.7	--	0.6	0.05	0.03	0.002	0.03	0.03	0.007	0.07	--	0.06	0.005	0.4	0.9	0.4	0.4	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.9	0.8	0.7	0.2
181-O1	Other -Not Specified	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.002	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
182-G1	Garden	0.2	0.04	0.4	0.3	0.08	0.7	--	0.6	0.09	0.02	0.003	0.04	0.03	0.007	0.06	--	0.06	0.009	0.3	0.9	0.5	0.4	0.1	2	2	2	0.3	0.08	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
182-G2	Garden	0.3	0.04	0.4	0.4	0.09	0.9	--	0.8	0.09	0.03	0.003	0.04	0.03	0.008	0.08	--	0.08	0.009	0.4	0.9	0.6	0.4	0.2	2	2	2	0.3	0.1	0.3	0.1	0.06	0.03	0.9	0.8	0.7	0.2
182-H1	House	0.1	0.03	0.4	0.3	0.06	0.6	--	0.6	0.06	0.01	0.003	0.04	0.03	0.005	0.06	--	0.06	0.006	0.3	0.9	0.5	0.4	0.1	2	2	2	0.3	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
182-H2	House	0.1	0.03	0.4	0.4	0.05	0.6	--	0.5	0.06	0.01	0.003	0.04	0.04	0.005	0.05	--	0.05	0.006	0.3	0.9	0.6	0.4	0.1	2	2	2	0.2	0.08	0.3	0.1	0.06	0.03	0.8	0.8	0.7	0.2
182-O1	Other -Not Specified	0.1	0.03	0.4	0.4	0.04	0.5	--	0.5	0.05	0.01	0.003	0.04	0.04	0.004	0.05	--	0.05	0.005	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.7	0.2
182-O2	Other -Not Specified	0.3	0.03	0.4	0.4	0.08	0.9	--	0.7	0.09	0.03	0.003	0.04	0.03	0.007	0.08	--	0.08	0.009	0.5	0.9	0.5	0.4	0.1	2	2	2	0.3	0.1	0.3	0.09	0.06	0.03	0.9	0.8	0.7	0.2
182-O3	Other -Not Specified	0.1	0.03	0.3	0.3	0.07	0.6	--	0.6	0.09	0.02	0.003	0.03	0.03	0.006	0.05	--	0.06	0.009	0.3	0.9	0.5	0.3	0.1	2	2	2	0.3	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
184-H1	House	0.2	0.01	0.2	0.2	0.08	0.3	--	0.6	0.06	0.02	0.001	0.02	0.02	0.007	0.03	--	0.06	0.006	0.4	0.9	0.3	0.3	0.1	2	2	2	0.3	0.09	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2
185-A1	Agriculture	0.1	0.03	0.3	0.3	0.05	0.3	--	0.5	0.03	0.01	0.003	0.02	0.03	0.004	0.03	--	0.05	0.003	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
185G	Garden	0.2	0.03	0.5	0.4	0.02	0.5	--	0.6	0.01	0.02	0.002	0.05	0.04	0.002	0.05	--	0.06	0.001	0.4	0.9	0.6	0.4	0.1	2	2	2	0.2	0.09	0.3	0.1	0.06	0.03	0.8	0.8	0.7	0.2
185-H1	House	0.09	0.03	0.3	0.3	0.04	0.3	--	0.5	0.03	0.01	0.002	0.02	0.03	0.004	0.03	--	0.05	0.003	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
186-O1	Other -Not Specified	0.2	0.02	0.2	0.5	0.1	0.3	--	0.6	0.1	0.02	0.001	0.02	0.05	0.01	0.02	--	0.06	0.01	0.4	0.9	0.4	0.5	0.2	2	2	2	0.3	0.09	0.3	0.08	0.07	0.04	0.8	0.8	0.7	0.2
187-H1	House	0.07	0.01	0.2	0.3	0.06	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.006	0.03	--	0.05	0.005	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
188-A1	Agriculture	0.09	0.03	0.3	0.3	0.04	0.6	--	0.4	0.04	0.01	0.003	0.03	0.03	0.004	0.06	--	0.04	0.004	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
188-G1	Garden	0.1	0.03	0.3	0.3	0.06	0.6	--	0.4	0.05	0.01	0.003	0.03	0.03	0.006	0.05	--	0.04	0.005	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
188-G2	Garden	0.1	0.04	0.4	0.3	0.07	0.7	--	0.5	0.06	0.02	0.004	0.03	0.03	0.007	0.06	--	0.05	0.006	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
188-G3	Garden	0.1	0.02	0.3	0.3	0.04	0.5	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.05	--	0.04	0.003	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
188-H1	House	0.06	0.04	0.3	0.3	0.02	0.4	--	0.3	0.02	0.007	0.004	0.03	0.03	0.002	0.04	--	0.03	0.002	0.2	1	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
188-P1	Play Area	0.07	0.02	0.2	0.3	0.03	0.4	--	0.3	0.03	0.008	0.002	0.02	0.02	0.003	0.04	--	0.03	0.003	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
189-G1	Garden	0.06	0.02	0.3	0.3	0.03	0.4	--	0.4	0.01	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.001	0.2	0.9	0.4	0.4	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
189-H1	House	0.07	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.009	0.002	0.02	0.03	0.003	0.03	--	0.04	0.003	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
189-H2	House	0.09	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.01	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
189-O1	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.4	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.04	--	0.05	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
190-G1	Garden	0.04	0.01	0.2	0.3	0.02	0.3	--	0.3	0.007	0.005	0.001	0.02	0.03	0.001	0.03	--	0.03	0.0008	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
190-H1	House	0.04	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.005	0.001	0.02	0.02	0.002	0.03	--	0.02	0.002	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
190-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.4	--	0.3	0.01	0.006	0.001	0.02	0.03	0.001	0.03	--	0.03	0.001	0.2	0.9	0.4	0.4	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
190-N2	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.01	0.005	0.001	0.02	0.03	0.001	0.03	--	0.02	0.001	0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
190-N3	Animal Activity Area	0.04	0.01	0.2	0.3	0.01	0.3	--	0.3	0.009	0.005	0.001	0.02	0.02	0.001	0.03	--	0.02	0.0009	0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
190-O1	Other -Not Specified	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.009	0.002	0.03	0.03	0.003	0.04	--	0.04	0.003	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
191-H1	House	0.1	0.02	0.3	0.3	0.09	0.4	--	0.5	0.06	0.02	0.002	0.03	0.03	0.008	0.04	--	0.05	0.006	0.3	0.9	0.4	0.4	0.2	2	2	2	0.3	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
192-A1	Agriculture	0.1	0.03	0.3	0.3	0.07	0.3	--	0.5	0.03	0.01	0.003	0.03	0.03	0.006	0.03	--	0.05	0.003	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
192-G1	Garden	0.1	0.04	0.3	0.4	0.08	0.3	--	0.6	0.03	0.02	0.004	0.03	0.03	0.007	0.03	--	0.06	0.003	0.3	1	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.7	0.2
192-H1	House	0.1	0.03	0.2	0.3	0.06	0.3	--	0.5	0.02	0.01	0.003	0.02	0.03	0.005	0.02	--	0.05	0.002	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
193-G1	Garden	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.008	0.005	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008	0.2	0.9	0.3	0.3	0.08	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
193-H1	House	0.04	0.01	0.2	0.2	0.01	0.2	--	0.2	0.009	0.005	0.001	0.02	0.02	0.001	0.02	--	0.02	0.0009	0.2	0.9	0.3	0.3	0.08	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
194-H1	House	0.03	0.01	0.2	0.2	0.01	0.2	--	0.3	0.01	0.004	0.001	0.02	0.02	0.001	0.02	--	0.03	0.001	0.2	0.9	0.3	0.3	0.08	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
194-N1	Animal Activity Area	0.05	0.02	0.2	0.3	0.02	0.3	--	0.3	0.01	0.006	0.001	0.02	0.02	0.002	0.03	--	0.03	0.001	0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
195-G1	Garden	0.1	0.01	0.2	0.2	0.05	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.005	0.04	--	0.04	0.003	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
195-G2	Garden	0.1	0.01	0.2	0.3	0.09	0.5	--	0.5	0.07	0.02	0.001	0.02	0.03	0.009	0.05	--	0.05	0.007	0.3	0.9	0.4	0.3	0.2	2	2	2	0.3	0.08	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
195-O1	Other -Not Specified	0.1	0.01	0.1	0.2	0.1	0.4	--	0.4	0.06	0.01	0.0009	0.01	0.02	0.009	0.04	--	0.04	0.007	0.3	0.9	0.3	0.3	0.2	2	2	2	0.3	0.08	0.3	0.07	0.04	0.04	0.8	0.8	0.6	0.2
196-A1	Agriculture	0.06	0.02	0.2	0.3	0.03	0.3	--	0.4	0.02	0.007	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
196-A2	Agriculture	0.07	0.02	0.3	0.3	0.03	0.4	--	0.4	0.04	0.008	0.002	0.02	0.02	0.003	0.04	--	0.04	0.004	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
196-G1	Garden	0.07	0.01	0.2	0.3	0.04	0.4	--	0.5	0.02	0.008	0.001	0.02	0.02	0.003	0.04	--	0.05	0.002	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
196-O1	Other -Not Specified	0.07	0.01	0.2	0.2	0.03	0.3	--	0.3	0.03	0.008	0.001	0.02	0.02	0.003	0.03	--	0.03	0.003	0.2	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
197-H1	House	0.1	0.03	0.3	0.4	0.05	0.3	--	0.5	0.04	0.01	0.002	0.03	0.03	0.005	0.03	--	0.05	0.004	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.7	0.2
198-G1	Garden	0.1	0.02	0.2	0.3	0.04	0.6	--	0.4	0.03	0.01	0.002	0.02	0.02	0.004	0.06	--	0.04	0.003	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
198-H1	House	0.1	0.03	0.3	0.3	0.06	0.6	--	0.6	0.05	0.02	0.002	0.03	0.03	0.006	0.06	--	0.06	0.005	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
199-G1	Garden	0.04	0.02	0.3	0.4	0.01	0.3	--	0.3	0.006	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.0006	0.2	0.9	0.4	0.5	0.08	2	2	2	0.2	0.07	0.3	0.08	0.06	0.03	0.8	0.8	0.6	0.2
199-O1	Other -Not Specified	0.04	0.02	0.3	0.4	0.02	0.3	--	0.3	0.01	0.005	0.002	0.03	0.04	0.001	0.03	--	0.03	0.001	0.2	0.9	0.4	0.5	0.09	2	2	2	0.2	0.07	0.3	0.08	0.06	0.03	0.8	0.8	0.6	0.2
200-G1	Garden	0.1	0.02	0.4	0.4	0.02	0.7	--	0.5	0.02	0.02	0.002	0.04	0.04	0.002	0.07	--	0.05	0.002	0.3	0.9	0.6	0.5	0.09	2	2	2	0.2	0.08	0.3	0.1	0.06	0.03	0.9	0.8	0.6	0.2
200-H1	House	0.1	0.02	0.4	0.4	0.02	0.6	--	0.4	0.01	0.01	0.002	0.04	0.03	0.002	0.06	--	0.04	0.001	0.3	0.9	0.5	0.4	0.09	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.6	0.2
200-O1	Other -Not Specified	0.2	0.03	0.5	0.5	0.02	0.6	--	0.5	0.01	0.02	0.003	0.05	0.05	0.002	0.06	--	0.05	0.001	0.3	0.9	0.7	0.6	0.09	2	2	2	0.2	0.09	0.3	0.1	0.07	0.03	0.8	0.8	0.7	0.2

Table 5-23. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																						
201G[c]	Garden	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.3	0.9	0.5	0.3	0.09	2	2	2	0.2	0.07	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
201-O1	Other -Not Specified	0.3	0.02	0.3	0.4	0.1	0.4	--	0.7	0.08	0.03	0.002	0.03	0.04	0.01	0.04	--	0.07	0.008		0.4	0.9	0.5	0.4	0.2	2	2	2	0.3	0.1	0.3	0.09	0.06	0.04	0.8	0.8	0.7	0.2
202-H1	House	0.1	0.01	0.2	0.2	0.04	0.2	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.02	--	0.04	0.004		0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
202-N1	Animal Activity Area	0.07	0.01	0.2	0.2	0.03	0.2	--	0.3	0.02	0.008	0.001	0.02	0.02	0.002	0.02	--	0.03	0.002		0.2	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
202-O1	Other -Not Specified	0.1	0.02	0.2	0.3	0.02	0.3	--	0.4	0.04	0.01	0.001	0.02	0.03	0.002	0.02	--	0.04	0.004		0.3	0.9	0.4	0.3	0.09	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
203-H1[c]	House	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
203-O1[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
203-O2	Other -Not Specified	0.5	0.01	0.2	0.3	0.2	0.6	--	1	0.1	0.06	0.001	0.02	0.03	0.02	0.06	--	0.1	0.01		0.7	0.9	0.4	0.4	0.3	2	2	3	0.3	0.1	0.3	0.08	0.05	0.05	0.8	0.8	0.7	0.2
203-O3[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
203-O4[c]	Other -Not Specified	0.04	0.02	0.2	0.3	0.009	0.2	--	0.2	0.003	0.005	0.002	0.02	0.02	0.0009	0.02	--	0.02	0.0003		0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
205-O1	Other -Not Specified	0.4	0.02	0.2	0.3	0.1	0.2	--	1	0.09	0.04	0.002	0.02	0.03	0.01	0.02	--	0.1	0.009		0.5	0.9	0.4	0.3	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
206-A1	Agriculture	0.1	0.06	0.4	0.3	0.05	0.5	--	0.5	0.05	0.02	0.005	0.04	0.03	0.005	0.04	--	0.05	0.005		0.3	1	0.6	0.4	0.1	2	2	2	0.2	0.08	0.3	0.1	0.05	0.03	0.8	0.8	0.7	0.2
206-G1	Garden	0.07	0.02	0.2	0.3	0.02	0.3	--	0.3	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.03	0.002		0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
206-H1	House	0.04	0.02	0.2	0.3	0.01	0.3	--	0.2	0.008	0.004	0.001	0.02	0.02	0.0009	0.02	--	0.02	0.0008		0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
206-H2	House	0.1	0.1	0.7	0.4	0.09	0.6	--	0.7	0.1	0.02	0.01	0.06	0.03	0.008	0.05	--	0.07	0.01		0.3	1	0.8	0.4	0.2	2	2	2	0.3	0.08	0.4	0.1	0.06	0.03	0.8	0.8	0.7	0.2
206-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.1	0.6	--	0.9	0.06	0.03	0.003	0.04	0.04	0.01	0.05	--	0.09	0.006		0.4	0.9	0.5	0.5	0.2	2	2	3	0.2	0.09	0.3	0.09	0.06	0.04	0.8	0.8	0.7	0.2
207-O1	Other -Not Specified	0.08	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.01	0.001	0.02	0.02	0.004	0.03	--	0.04	0.004		0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.07	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
208AA	Animal Activity Area	0.2	0.02	0.2	0.2	0.05	0.3	--	0.5	0.05	0.02	0.001	0.02	0.02	0.005	0.03	--	0.05	0.005		0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.04	0.03	0.8	0.8	0.7	0.2
208BM	House	0.2	0.02	0.4	0.3	0.03	0.5	--	0.6	0.03	0.02	0.002	0.04	0.03	0.003	0.04	--	0.06	0.003		0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.09	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
208G	Garden	0.2	0.03	0.5	0.4	0.03	0.6	--	0.6	0.03	0.02	0.003	0.04	0.04	0.003	0.05	--	0.06	0.003		0.4	0.9	0.6	0.5	0.1	2	2	2	0.2	0.09	0.3	0.1	0.06	0.03	0.8	0.8	0.7	0.2
208-H1	House	0.3	0.01	0.2	0.3	0.1	0.6	--	0.7	0.07	0.03	0.001	0.02	0.02	0.01	0.06	--	0.08	0.007		0.5	0.9	0.4	0.3	0.2	2	2	2	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
209A	Agriculture	0.2	0.02	0.4	0.3	0.05	0.4	--	0.5	0.05	0.02	0.002	0.03	0.03	0.004	0.04	--	0.05	0.005		0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
209-G1	Garden	0.2	0.01	0.2	0.3	0.08	0.6	--	0.7	0.09	0.03	0.001	0.02	0.02	0.008	0.05	--	0.07	0.009		0.4	0.9	0.4	0.3	0.2	2	2	2	0.3	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
209-H1	House	0.3	0.02	0.3	0.3	0.1	0.6	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.06	--	0.09	0.01		0.5	0.9	0.4	0.4	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
209-P1	Play Area	0.4	0.02	0.3	0.3	0.1	0.7	--	1	0.2	0.05	0.002	0.03	0.03	0.01	0.06	--	0.1	0.02		0.6	0.9	0.4	0.4	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.9	0.8	0.7	0.2
210-H1	House	0.1	0.02	0.2	0.3	0.03	0.3	--	0.4	0.03	0.02	0.001	0.02	0.02	0.003	0.03	--	0.04	0.003		0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.05	0.03	0.8	0.8	0.6	0.2
210-O1	Other -Not Specified	0.2	0.01	0.2	0.2	0.04	0.3	--	0.4	0.04	0.02	0.001	0.01	0.02	0.004	0.03	--	0.04	0.004		0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
211-A1	Garden	0.1	0.01	0.2	0.3	0.03	0.4	--	0.4	0.03	0.01	0.001	0.02	0.02	0.003	0.04	--	0.04	0.003		0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
211-G1	Garden	0.1	0.02	0.3	0.3	0.02	0.4	--	0.4	0.02	0.01	0.002	0.03	0.03	0.002	0.04	--	0.04	0.002		0.3	0.9	0.4	0.4	0.09	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
211-G2	Garden	0.1	0.02	0.3	0.3	0.03	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.003	0.04	--	0.04	0.002		0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
211-H1	House	0.08	0.02	0.3	0.3	0.03	0.4	--	0.4	0.03	0.01	0.002	0.02	0.03	0.002	0.04	--	0.04	0.003		0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
211-O1	Other -Not Specified	0.1	0.01	0.2	0.2	0.04	0.4	--	0.5	0.05	0.01	0.001	0.02	0.02	0.004	0.03	--	0.05	0.005		0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2
212-H1	House	0.1	0.02	0.3	0.5	0.1	0.3	--	0.6	0.08	0.01	0.002	0.02	0.05	0.01	0.03	--	0.06	0.008		0.3	0.9	0.4	0.6	0.2	2	2	2	0.3	0.08	0.3	0.08	0.07	0.04	0.8	0.8	0.7	0.2
212-H2	House	0.1	0.01	0.2	0.4	0.05	0.2	--	0.4	0.05	0.02	0.001	0.02	0.03	0.005	0.02	--	0.04	0.005		0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.06	0.03	0.8	0.8	0.6	0.2
213-O1	Other -Not Specified	0.2	0.03	0.4	0.4	0.02	0.6	--	0.5	0.01	0.02	0.003	0.04	0.03	0.002	0.06	--	0.04	0.001		0.3	0.9	0.5	0.4	0.09	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.6	0.2
213-O2	Other -Not Specified	0.2	0.03	0.4	0.3	0.04	0.6	--	0.7	0.02	0.02	0.002	0.04	0.03	0.004	0.05	--	0.07	0.002		0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.09	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
213-O3	Other -Not Specified	0.1	0.02	0.4	0.4	0.03	0.3	--	0.5	0.02	0.02	0.002	0.03	0.04	0.003	0.03	--	0.05	0.002		0.3	0.9	0.5	0.5	0.1	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.6	0.2
21G	Garden	0.3	0.02	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	0.002	0.02	0.02	0.01	0.05	--	0.08	0.009		0.5	0.9	0.4	0.3	0.2	2	2	2	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
226C	House	0.3	0.01	0.2	0.2	0.1	0.3	--	0.9	0.06	0.03	0.001	0.02	0.02	0.01	0.03	--	0.09	0.006		0.4	0.9	0.3	0.3	0.2	2	2	2	0.2	0.09	0.3	0.07	0.04	0.04	0.8	0.8	0.7	0.2
230G	Garden	0.1	0.02	0.2	0.3	0.03	0.2	--	0.4	0.02	0.01	0.002	0.02	0.02	0.003	0.02	--	0.04	0.002		0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
231Lower	Other -Not Specified	0.2	0.02	0.2	0.3	0.04	0.3	--	0.5	0.04	0.02	0.002	0.02	0.03	0.004	0.03	--	0.05	0.004		0.4	0.9	0.4	0.3	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
238G	Garden	0.08	0.02	0.2	0.2	0.01	0.3	--	0.3	0.01	0.009	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001		0.3	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
238M	Other -Not Specified	0.07	0.02	0.2	0.3	0.01	0.2	--	0.3	0.01	0.008	0.002	0.02	0.02	0.001	0.02	--	0.03	0.001		0.2	0.9	0.4	0.3	0.08	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
280yard	House	0.2	0.02	0.3	0.3	0.09	0.6	--	0.6	0.08	0.02	0.002	0.03	0.03	0.008	0.06	--	0.06	0.008		0.4	0.9	0.5	0.4	0.2	2	2	2	0.3	0.09	0.3	0.09	0.05	0.04	0.8	0.8	0.7	0.2
284M	House	0.1	0.02	0.3	0.3	0.04	0.4	--	0.4	0.03	0.01	0.002	0.03	0.03	0.004	0.04	--	0.04	0.004		0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
285M	Other -Not Specified	0.2	0.02	0.3	0.3	0.05	0.4	--	0.5	0.04	0.02	0.002	0.03	0.03	0.005	0.04	--	0.05	0.004		0.3	0.9	0.5	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
288G1	Garden	0.1	0.02	0.3	0.3	0.03	0.3	--	0.4	0.02	0.01	0.002	0.02	0.03	0.003	0.03	--	0.04	0.002		0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
288G2	Garden	0.08	0.02	0.3	0.3	0.02	0.3	--	0.4	0.02	0.008	0.002	0.02	0.03	0.002	0.03	--	0.04	0.002		0.2	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
289G3	Garden	0.08	0.02	0.2	0.2	0.02	0.2	--	0.3	0.02	0.009	0.002	0.02	0.02	0.002	0.02	--	0.03	0.002		0.3	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.04	0.03	0.8	0.8	0.6	0.2
317M	Play Area	0.6	0.02	0.4	0.3	0.1	0.4	--	1	0.2	0.06	0.002	0.03	0.03	0.01	0.04	--	0.1	0.02		0.7	0.9	0.5	0.4	0.2	2	2	3	0.4	0.1	0.3	0.09	0.05	0.04	0.8	0.8	0.7	0.2
319M[c]	House	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.3	0.9	0.5	0.3	0.09	2	2	2	0.2	0.07	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
320new	Other -Not Specified	0.4	0.02	0.4	0.3	0.1	0.4	--	0.9	0.1	0.04	0.002	0.03	0.03	0.01	0.04	--	0.09	0.01		0.5	0.9	0.5	0.4	0.2	2	2	3	0.3	0.1	0.3	0.09	0.05	0.04	0.8	0.8	0.7	0.2
35PA[c]	Play Area	0.08	0.02	0.4	0.3	0.02	0.5	--	0.2	0.008	0.009	0.002	0.04	0.02	0.002	0.05	--	0.02	0.0009		0.3	0.9	0.5	0.3	0.09	2	2	2	0.2	0.07	0.3	0.09	0.05	0.03	0.8	0.8	0.6	0.2
59A	House	0.3	0.01	0.2	0.2	0.1	0.4	--	0.7	0.1	0.04	0.001	0.02	0.02	0.01	0.04	--	0.07	0.01		0.5	0.9	0.3	0.3	0.2	2	2	2	0.3	0.1	0.3	0.07	0.04	0.04	0.8	0.8	0.7	0.2
62G	Garden	0.1	0.02	0.3	0.3	0.02	0.5	--	0.4	0.02	0.02	0.002	0.03	0.03	0.002	0.05	--	0.04	0.002		0.3	0.9	0.5	0.4	0.09	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
72M	Agriculture	0.3	0.03	0.3	0.3	0.09	0.5	--	0.6	0.07	0.03	0.002	0.03	0.03	0.008	0.04	--	0.06	0.007		0.4	0.9	0.5	0.4	0.2	2	2	2	0.3	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
72U	Other -Not Specified	0.2	0.04	0.4	0.4	0.04	0.5	--	0.6	0.03	0.02	0.003	0.04	0.04	0.004	0.05	--	0.06	0.003		0.4	0.9	0.6	0.5	0.1	2	2	2	0.2	0.09	0.3	0.1	0.06	0.03	0.8	0.8	0.7	0.2
94M	Agriculture	0.1	0.02	0.3	0.3	0.03	0.3	--	0.5	0.02	0.01	0.002	0.03	0.03	0.003	0.03	--	0.05	0.002		0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
999G1	Garden	0.2	0.03	0.3	0.3	0.03	0.5	--	0.4	0.03	0.02	0.002	0.03	0.03	0.003	0.05	--	0.04	0.003		0.3	0.9	0.5	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
999M1	House	0.1	0.03	0.4	0.4	0.03	0.5	--	0.4	0.03	0.01	0.002	0.04	0.03	0.002	0.05	--	0.04	0.003		0.3	0.9	0.6	0.4	0.1	2	2	2	0.2	0.08	0.3	0.1	0.06	0.03	0.8	0.8	0.6	0.2
999M2	Garden	0.1	0.03	0.5	0.4	0.02	0.5	--	0.4	0.01	0.01	0.003	0.04	0.04	0.002	0.05	--	0.04	0.001		0.3	0.9	0.6	0.5	0.09	2	2	2	0.2	0.08	0.3	0.1	0.06	0.03	0.8	0.8	0.6	0.2
999M3	Other -Not Specified	0.2	0.05	0.7	0.6	0.06	1	--	0.8	0.06	0.02	0.004	0.06	0.06	0.006	0.09	--	0.08	0.006		0.4	1	0.8	0.7	0.1	2	2	2	0.2	0.09	0.3	0.1	0.08	0.03	0.9	0.8	0.7	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-24. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
Indoor Air		--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																		
Outdoor Air		--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02		**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exeed benchmark[c] when risk is summed across pathways:**								
Fish (Burbot)		0.007	0.7	0.007	0.0009	0.04	0.7	0.3	0.2	--	0.003	0.3	0.003	0.0004	0.01	0.3	0.1	0.08	--																		
Residential Soil/Dust[a]		**Number of DUs that exceed benchmark[c] for Soil/Dust:**									**Number of DUs that exceed benchmark[c] for Soil/Dust:**																												
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.7	0.1	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.02	0.009	0.02	0.5	0.1	0.09	0.1
9	Agriculture	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009	0.05	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.008	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
13	Other -Not Specified	0.05	0.005	0.09	0.09	0.01	0.2	--	0.1	0.008	0.006	0.0006	0.01	0.01	0.001	0.02	--	0.02	0.0009	0.06	0.7	0.1	0.09	0.05	1	0.3	0.4	0.1	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
14	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.008	0.005	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0009	0.05	0.7	0.1	0.09	0.05	1	0.3	0.4	0.1	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
15	House	0.04	0.005	0.08	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0006	0.009	0.009	0.001	0.01	--	0.02	0.001	0.05	0.7	0.09	0.08	0.05	1	0.3	0.4	0.1	0.007	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
16	Other -Not Specified	0.08	0.005	0.1	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004	0.09	0.7	0.1	0.09	0.07	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
17	Other -Not Specified	0.04	0.007	0.09	0.09	0.02	0.1	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.7	0.1	0.09	0.05	1	0.3	0.4	0.2	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
18[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.7	0.1	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.02	0.009	0.02	0.5	0.1	0.09	0.1
20[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.7	0.1	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.02	0.009	0.02	0.5	0.1	0.09	0.1
21	House	0.03	0.006	0.08	0.08	0.01	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.009	0.001	0.01	--	0.01	0.0008	0.04	0.7	0.09	0.08	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
22	House	0.07	0.005	0.08	0.08	0.01	0.1	--	0.2	0.01	0.008	0.0005	0.009	0.009	0.002	0.01	--	0.02	0.001	0.08	0.7	0.08	0.08	0.05	1	0.3	0.4	0.1	0.01	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
25	House	0.03	0.005	0.09	0.09	0.007	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.0009	0.01	--	0.01	0.0005	0.04	0.7	0.1	0.09	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
27	Other -Not Specified	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.008	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
28	Garden	0.02	0.006	0.08	0.08	0.004	0.1	--	0.08	0.003	0.002	0.0006	0.01	0.009	0.0005	0.01	--	0.01	0.0003	0.03	0.7	0.09	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
29	Other -Not Specified	0.02	0.005	0.08	0.08	0.007	0.09	--	0.09	0.004	0.003	0.0006	0.009	0.009	0.0008	0.01	--	0.01	0.0004	0.03	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
30	Other -Not Specified	0.04	0.007	0.1	0.09	0.007	0.1	--	0.1	0.004	0.005	0.0008	0.01	0.01	0.0008	0.02	--	0.01	0.0005	0.05	0.7	0.1	0.09	0.05	1	0.3	0.3	0.1	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
31	Other -Not Specified	0.06	0.006	0.1	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002	0.06	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.009	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
33	House	0.05	0.005	0.07	0.07	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.009	0.003	0.02	--	0.02	0.002	0.06	0.7	0.08	0.07	0.07	1	0.3	0.4	0.2	0.009	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
35[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.7	0.1	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.02	0.009	0.02	0.5	0.1	0.09	0.1
39[b]	Agriculture	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.7	0.1	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.02	0.009	0.02	0.5	0.1	0.09	0.1
40[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.7	0.1	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.02	0.009	0.02	0.5	0.1	0.09	0.1
42	House	0.02	0.004	0.05	0.07	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.001	0.03	0.7	0.06	0.07	0.06	1	0.3	0.3	0.2	0.005	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
44	Agriculture	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.04	0.7	0.06	0.07	0.05	1	0.3	0.3	0.1	0.006	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
46	Other -Not Specified	0.04	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.002	0.04	0.7	0.07	0.07	0.06	1	0.3	0.4	0.2	0.007	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
47	Agriculture	0.03	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0005	0.008	0.01	0.003	0.01	--	0.02	0.002	0.04	0.7	0.08	0.09	0.06	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
49[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.7	0.1	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.02	0.009	0.02	0.5	0.1	0.09	0.1
55	House	0.02	0.006	0.08	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0007	0.009	0.01	0.0007	0.01	--	0.01	0.0007	0.03	0.7	0.09	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
56	Other -Not Specified	0.04	0.006	0.1	0.1	0.02	0.1	--	0.2	0.02	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
58	Agriculture	0.02	0.006	0.08	0.08	0.009	0.1	--	0.1	0.006	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0007	0.03	0.7	0.09	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
59	House	0.04	0.003	0.04	0.05	0.03	0.09	--	0.1	0.02	0.005	0.0003	0.005	0.006	0.003	0.01	--	0.02	0.002	0.05	0.7	0.05	0.05	0.07	1	0.3	0.4	0.2	0.007	0.3	0.008	0.006	0.02	0.5	0.1	0.1	0.1
60	Garden	0.03	0.005	0.06	0.07	0.008	0.1	--	0.1	0.005	0.003	0.0006	0.007	0.008	0.0009	0.01	--	0.01	0.0006	0.03	0.7	0.07	0.07	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
61	House	0.04	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.005	0.0004	0.006	0.008	0.002	0.01	--	0.02	0.001	0.05	0.7	0.06	0.07	0.05	1	0.3	0.4	0.2	0.007	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
62	House	0.04	0.006	0.09	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.04	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
66	Other -Not Specified	0.05	0.005	0.07	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.001	0.06	0.7	0.08	0.08	0.06	1	0.3	0.4	0.2	0.009	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
67	Garden	0.05	0.005	0.08	0.08	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002	0.06	0.7	0.08	0.08	0.06	1	0.3	0.4	0.2	0.009	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
70	House	0.06	0.008	0.09	0.09	0.02	0.1	--	0.2	0.02	0.007	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.002	0.06	0.7	0.1	0.09	0.06	1	0.3	0.4	0.2	0.009	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
71	Garden	0.06	0.009	0.1	0.09	0.02	0.1	--	0.1	0.01	0.007	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.7	0.1	0.09	0.06	1	0.3	0.4	0.1	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
72	Garden	0.06	0.01	0.1	0.1	0.02	0.1	--	0.2	0.02	0.007	0.001	0.02	0.01	0.003	0.01	--	0.02	0.003	0.07	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.01	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
75	House	0.06	0.005	0.08	0.08	0.06	0.2	--	0.2	0.04	0.007	0.0005	0.01	0.01	0.007	0.02	--	0.03	0.004	0.07	0.7	0.09	0.09	0.1	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
82	House	0.03	0.006	0.1	0.1	0.007	0.1	--	0.1	0.005	0.004	0.0007	0.01	0.01	0.0008	0.02	--	0.01	0.0006	0.04	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
85	House	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.004	0.002	0.0006	0.008	0.008	0.0005	0.008	--	0.01	0.0005	0.02	0.7	0.08	0.07	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
86	Agriculture	0.03	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001	0.04	0.7	0.1	0.09	0.05	1	0.3	0.4	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
87	Agriculture	0.02	0.005	0.07	0.07	0.009	0.08	--	0.1	0.008	0.003	0.0005	0.008	0.008	0.001	0.009	--	0.01	0.001	0.03	0.7	0.08	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
106	House	0.1	0.005	0.06	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0005	0.007	0.009	0.004	0.02	--	0.03	0.002	0.1	0.7	0.07	0.07	0.08	1	0.3	0.4	0.2	0.02	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
107	Garden	0.07	0.006	0.08	0.09	0.03	0.2	--	0.2	0.01	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.02	0.002	0.08	0.7	0.09	0.09	0.06	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
108	Garden	0.09	0.008	0.07	0.08	0.02	0.1	--	0.2	0.01	0.01	0.0009	0.009	0.01	0.002	0.02	--	0.02	0.002	0.1	0.7	0.08	0.08	0.06	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
109[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.7	0.1	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.02	0.009	0.02	0.5	0.1	0.09	0.1
110	House	0.03	0.004	0.05	0.06	0.008	0.1	--	0.1	0.007	0.004	0.0005	0.006	0.007	0.001	0.01	--	0.01	0.0008	0.04	0.7	0.06	0.06	0.05	1	0.3	0.3	0.1	0.007	0.3	0.009	0.007	0.02	0.5	0.1	0.1	0.1
111	Other -Not Specified	0.03	0.004	0.06	0.06	0.008	0.1	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.001	0.01	--	0.01	0.0007	0.04	0.7	0.06	0.06	0.05	1	0.3	0.3	0.1	0.006	0.3	0.009	0.007	0.02	0.5	0.1	0.09	0.1
112	House	0.1	0.005	0.08	0.07	0.04	0.2	--	0.3	0.04	0.02	0.0006	0.009	0.009	0.005	0.02	--	0.03	0.004	0.1	0.7	0.09	0.08	0.08	1	0.3	0.5	0.2	0.02	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
121	House	0.04	0.008	0.2	0.1	0.01	0.2	--	0.2	0.02	0.005	0.001	0.02	0.01	0.001	0.03	--	0.02	0.002	0.05	0.7	0.2	0.1	0.05	1	0.3	0.4	0.2	0.008	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
122	Other -Not Specified	0.06	0.008	0.1	0.1	0.009	0.2	--	0.2	0.007	0.007	0.001	0.02	0.01	0.001	0.02	--	0.02	0.0008	0.07	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.01	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
123	House	0.06	0.005	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.0006	0.01	0.009	0.004	0.02	--	0.03	0.003	0.07	0.7	0.09	0.08	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
135	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.001	0.04	0.7	0.07	0.06	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
146	House	0.04	0.005	0.08	0.09	0.006	0.1	--	0.1	0.008	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.02	0.0009	0.05	0.7	0.09	0.09	0.05	1	0.3	0.4	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
147	Garden	0.02	0.005	0.06	0.07	0.005	0.09	--	0.09	0.004	0.003	0.0006	0.007	0.008	0.0005	0.01	--	0.01	0.0004	0.03	0.7	0.07	0.07	0.04	1	0.3	0.3	0.1	0.006	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
151[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.7	0.1	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.02	0.009	0.02	0.5	0.1	0.09	0.1
152	Other -Not Specified	0.04	0.007	0.1	0.09	0.01	0.1	--	0.2	0.02	0.005	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002	0.05	0.7	0.1	0.09	0.05	1	0.3	0.4	0.2	0.008	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
154	House	0.02	0.003	0.04	0.05	0.005	0.06	--	0.06	0.005	0.002	0.0004	0.005	0.006	0.0006	0.007	--	0.007	0.0006	0.02	0.7	0.05	0.05	0.04	1	0.3	0.3	0.1	0.005	0.3	0.008	0.007	0.02	0.5	0.1	0.09	0.1
160	House	0.05	0.006	0.08	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.009	0.001	0.02	--	0.02	0.001	0.06	0.7	0.09	0.08	0.05	1	0.3	0.4	0.2	0.009	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
163	House	0.06	0.005	0.07	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001	0.06	0.7	0.08	0.07	0.05	1	0.3	0.4	0.2	0.009	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1

Table 5-24. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																		
164	Agriculture	0.05	0.006	0.09	0.09	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.05	0.7	0.1	0.09	0.05	1	0.3	0.4	0.1	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
167	Agriculture	0.03	0.004	0.06	0.06	0.005	0.08	--	0.1	0.006	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0007	0.04	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.006	0.3	0.009	0.008	0.02	0.5	0.1	0.09	0.1
168	House	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.08	0.7	0.1	0.09	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
169	Other -Not Specified	0.06	0.006	0.08	0.08	0.03	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.009	0.004	0.02	--	0.02	0.002	0.07	0.7	0.09	0.08	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
170[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.01	0.5	0.1	0.09	0.1
175	Other -Not Specified	0.05	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.06	0.7	0.07	0.07	0.05	1	0.3	0.3	0.1	0.009	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
177	Agriculture	0.07	0.004	0.05	0.06	0.01	0.1	--	0.2	0.01	0.008	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002	0.07	0.7	0.06	0.06	0.05	1	0.3	0.4	0.2	0.01	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
185	House	0.07	0.007	0.1	0.1	0.02	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002	0.07	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.01	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
186	House	0.05	0.005	0.08	0.07	0.02	0.09	--	0.2	0.02	0.006	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.002	0.06	0.7	0.08	0.07	0.06	1	0.3	0.4	0.2	0.009	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
189	House	0.07	0.007	0.09	0.09	0.01	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.7	0.1	0.09	0.05	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
192	House	0.05	0.009	0.1	0.1	0.02	0.1	--	0.2	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002	0.06	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.009	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
193	House	0.05	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.005	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.001	0.05	0.7	0.07	0.08	0.06	1	0.3	0.4	0.1	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
194[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.7	0.1	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.02	0.009	0.02	0.5	0.1	0.09	0.1
196[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.7	0.1	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.02	0.009	0.02	0.5	0.1	0.09	0.1
201	House	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009	0.05	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.008	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
203[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.7	0.1	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.02	0.009	0.02	0.5	0.1	0.09	0.1
206	House	0.04	0.005	0.08	0.07	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.001	0.05	0.7	0.08	0.07	0.05	1	0.3	0.4	0.1	0.007	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
208	Other -Not Specified	0.05	0.006	0.1	0.09	0.04	0.1	--	0.2	0.01	0.006	0.0007	0.01	0.01	0.005	0.02	--	0.02	0.002	0.06	0.7	0.1	0.1	0.08	1	0.3	0.4	0.2	0.009	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
213	Other -Not Specified	0.09	0.005	0.07	0.07	0.04	0.1	--	0.2	0.03	0.01	0.0006	0.008	0.009	0.004	0.02	--	0.03	0.003	0.09	0.7	0.08	0.07	0.08	1	0.3	0.5	0.2	0.01	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
216	House	0.07	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	0.0004	0.008	0.009	0.004	0.02	--	0.02	0.002	0.08	0.7	0.07	0.08	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
218[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.7	0.1	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.02	0.009	0.02	0.5	0.1	0.09	0.1
229	Play Area	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.003	0.002	0.0005	0.008	0.008	0.0005	0.008	--	0.01	0.0003	0.03	0.7	0.07	0.07	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.008	0.02	0.5	0.1	0.09	0.1
231	House	0.06	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.001	0.06	0.7	0.07	0.07	0.05	1	0.3	0.4	0.1	0.009	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
246	Play Area	0.01	0.005	0.06	0.06	0.004	0.06	--	0.07	0.003	0.002	0.0005	0.007	0.007	0.0004	0.006	--	0.008	0.0004	0.02	0.7	0.07	0.06	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.008	0.02	0.5	0.1	0.09	0.1
249	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.09	--	0.1	0.006	0.004	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.0007	0.04	0.7	0.06	0.06	0.05	1	0.3	0.3	0.1	0.006	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
250	House	0.05	0.004	0.06	0.06	0.01	0.1	--	0.1	0.008	0.005	0.0004	0.007	0.007	0.002	0.01	--	0.01	0.0009	0.05	0.7	0.06	0.06	0.05	1	0.3	0.3	0.1	0.008	0.3	0.009	0.007	0.02	0.5	0.1	0.1	0.1
253	House	0.03	0.004	0.06	0.07	0.008	0.07	--	0.1	0.009	0.003	0.0005	0.007	0.008	0.001	0.008	--	0.01	0.001	0.03	0.7	0.07	0.07	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
280	Other -Not Specified	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.003	0.08	0.7	0.1	0.09	0.07	1	0.3	0.4	0.2	0.01	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
287	Agriculture	0.03	0.004	0.08	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0005	0.009	0.009	0.003	0.02	--	0.02	0.002	0.04	0.7	0.09	0.08	0.06	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
288	House	0.02	0.005	0.07	0.07	0.006	0.07	--	0.09	0.006	0.002	0.0006	0.008	0.008	0.0007	0.008	--	0.01	0.0007	0.03	0.7	0.07	0.07	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.008	0.02	0.5	0.1	0.09	0.1
291	Agriculture	0.02	0.004	0.05	0.06	0.007	0.06	--	0.1	0.006	0.002	0.0005	0.006	0.007	0.0009	0.007	--	0.01	0.0007	0.02	0.7	0.06	0.06	0.05	1	0.3	0.3	0.1	0.005	0.3	0.009	0.007	0.02	0.5	0.1	0.09	0.1
306	Other -Not Specified	0.03	0.004	0.06	0.06	0.007	0.07	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.0009	0.008	--	0.01	0.0007	0.03	0.7	0.07	0.06	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
315	House	0.02	0.007	0.08	0.08	0.004	0.09	--	0.1	0.003	0.003	0.0008	0.01	0.01	0.0005	0.01	--	0.01	0.0003	0.03	0.7	0.09	0.08	0.04	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
316	Other -Not Specified	0.03	0.006	0.09	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.002	0.02	--	0.01	0.001	0.03	0.7	0.1	0.08	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
317	House	0.08	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.009	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.002	0.08	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.01	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
318	Other -Not Specified	0.1	0.006	0.1	0.09	0.03	0.1	--	0.3	0.04	0.01	0.0007	0.01	0.01	0.004	0.01	--	0.03	0.005	0.1	0.7	0.1	0.09	0.07	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
319	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.05	0.01	0.0008	0.01	0.01	0.005	0.02	--	0.04	0.006	0.1	0.7	0.1	0.1	0.08	1	0.3	0.5	0.2	0.01	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
325	Garden	0.03	0.005	0.07	0.07	0.005	0.08	--	0.09	0.003	0.003	0.0006	0.008	0.008	0.0006	0.01	--	0.01	0.0004	0.04	0.7	0.08	0.07	0.04	1	0.3	0.3	0.1	0.006	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
326	Other -Not Specified	0.02	0.005	0.06	0.07	0.006	0.06	--	0.1	0.005	0.002	0.0005	0.007	0.008	0.0007	0.007	--	0.01	0.0006	0.03	0.7	0.07	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
327	Other -Not Specified	0.02	0.004	0.05	0.06	0.005	0.05	--	0.09	0.004	0.002	0.0005	0.006	0.008	0.0005	0.006	--	0.01	0.0004	0.03	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.005	0.3	0.009	0.008	0.02	0.5	0.1	0.09	0.1
345	Play Area	0.03	0.006	0.1	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001	0.04	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
346	Garden	0.05	0.007	0.1	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.7	0.1	0.08	0.06	1	0.3	0.4	0.2	0.009	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
347	Other -Not Specified	0.05	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.006	0.0005	0.009	0.008	0.003	0.01	--	0.02	0.003	0.06	0.7	0.08	0.07	0.07	1	0.3	0.4	0.2	0.009	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
801	Other -Not Specified	0.06	0.003	0.05	0.09	0.03	0.05	--	0.2	0.02	0.007	0.0004	0.005	0.01	0.003	0.006	--	0.02	0.002	0.07	0.7	0.05	0.09	0.07	1	0.3	0.4	0.2	0.01	0.3	0.008	0.01	0.02	0.5	0.1	0.1	0.1
1001	Other -Not Specified	0.08	0.004	0.05	0.1	0.04	0.05	--	0.2	0.03	0.009	0.0004	0.006	0.01	0.004	0.006	--	0.03	0.003	0.09	0.7	0.06	0.1	0.08	1	0.3	0.5	0.2	0.01	0.3	0.009	0.01	0.02	0.5	0.1	0.1	0.1
1005	Garden	0.04	0.006	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0008	0.009	0.01	0.002	0.01	--	0.02	0.001	0.05	0.7	0.09	0.09	0.05	1	0.3	0.4	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
1006	House	0.03	0.008	0.08	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.0009	0.04	0.7	0.09	0.08	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
1007	Garden	0.02	0.009	0.08	0.08	0.007	0.1	--	0.1	0.005	0.003	0.001	0.009	0.01	0.0008	0.01	--	0.01	0.0006	0.03	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
1008	Agriculture	0.02	0.009	0.06	0.07	0.01	0.08	--	0.1	0.01	0.003	0.001	0.007	0.008	0.001	0.01	--	0.01	0.001	0.03	0.7	0.07	0.07	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
1010	Agriculture	0.03	0.008	0.06	0.07	0.02	0.09	--	0.1	0.01	0.004	0.0009	0.007	0.008	0.002	0.01	--	0.01	0.001	0.04	0.7	0.07	0.07	0.05	1	0.3	0.3	0.1	0.007	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
1011	Agriculture	0.04	0.005	0.04	0.05	0.02	0.06	--	0.1	0.01	0.005	0.0005	0.005	0.005	0.002	0.007	--	0.01	0.002	0.05	0.7	0.05	0.05	0.06	1	0.3	0.3	0.2	0.008	0.3	0.008	0.006	0.02	0.5	0.1	0.1	0.1
1015	Garden	0.02	0.005	0.08	0.09	0.006	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0005	0.03	0.7	0.08	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
1017	Garden	0.03	0.003	0.05	0.07	0.01	0.09	--	0.1	0.008	0.003	0.0004	0.006	0.008	0.001	0.01	--	0.01	0.001	0.04	0.7	0.06	0.07	0.05	1	0.3	0.3	0.1	0.006	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
1018	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.08	0.004	0.002	0.0004	0.007	0.009	0.0008	0.01	--	0.01	0.0005	0.03	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
1020	Garden	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.001	0.04	0.7	0.07	0.09	0.05	1	0.3	0.4	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
1021[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.7	0.1	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.02	0.009	0.02	0.5	0.1	0.09	0.1
1030[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.01	0.5	0.1	0.09	0.1
1035	Garden	0.05	0.009	0.1	0.09	0.01	0.2	--	0.2	0.01	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.7	0.1	0.09	0.05	1	0.3	0.4	0.1	0.009	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
1036	Play Area	0.03	0.006	0.09	0.09	0.009	0.1	--	0.1	0.007	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.0008	0.04	0.7	0.1	0.09	0.05	1	0.3	0.4	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
1037	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.7	0.09	0.09	0.05	1	0.3	0.4	0.1	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
1060	House	0.03	0.005	0.07	0.07	0.01	0.09	--	0.1	0.01	0.003	0.0005	0.008	0.008	0.001	0.01	--	0.01	0.001	0.04	0.7	0.08	0.07	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
3000	House	0.01	0.005	0.06	0.07	0.003	0.06	--	0.08	0.002	0.002	0.0005	0.007	0.009	0.0004	0.007	--	0.009	0.0003	0.02	0.7	0.07	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.01	0.5	0.1	0.09	0.1
3001	Garden	0.08	0.01	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.001	0.02	0.02	0.004	0.02	--	0.03	0.002	0.09	0.7	0.2	0.1	0.07	1	0.3	0.5	0.2	0.01	0.3	0.02	0.02	0.02	0.5	0.1	0.1	0.1
3003	Other -Not Specified	0.1	0.007	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.0009	0.01	0.01	0.003	0.01	--	0.03	0.003	0.1	0.7	0.1	0.1	0.06	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
3004	House	0.03	0.005	0.07	0.07	0.01	0.1	--	0.1	0.006	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0007	0.04	0.7	0.08	0.07	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
075-A1	Agriculture	0.02	0.006	0.08	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0007	0.009	0.01	0.001	0.01	--	0.01	0.001	0.03	0.7	0.09	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1

Table 5-24. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																					
075-H1	House	0.03	0.005	0.07	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.002	0.02	--	0.02	0.002		0.03	0.7	0.08	0.08	0.05	1	0.3	0.4	0.2	0.006	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
075-O1	Other -Not Specified	0.03	0.005	0.06	0.2	0.02	0.08	--	0.2	0.02	0.004	0.0006	0.008	0.02	0.003	0.01	--	0.02	0.003		0.04	0.7	0.07	0.2	0.06	1	0.3	0.4	0.2	0.007	0.3	0.01	0.02	0.02	0.5	0.1	0.1	0.1
076-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.04	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
076-G2	Garden	0.05	0.007	0.09	0.1	0.02	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.05	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.008	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
076-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.001	0.03	--	0.02	0.002		0.04	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
076-H2	House	0.04	0.006	0.09	0.09	0.01	0.2	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.05	0.7	0.1	0.09	0.05	1	0.3	0.4	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
076-N1	Animal Activity Area	0.04	0.007	0.1	0.1	0.03	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.001		0.05	0.7	0.1	0.1	0.07	1	0.3	0.4	0.2	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
077-A1	Agriculture	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.006	0.008	0.0004	0.009	--	0.008	0.0003		0.02	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.009	0.008	0.02	0.5	0.1	0.09	0.1
077-A2	Agriculture	0.009	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.009	--	0.008	0.0004		0.02	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.008	0.008	0.02	0.5	0.1	0.09	0.1
077-G1	Garden	0.01	0.004	0.06	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003		0.02	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.009	0.009	0.02	0.5	0.1	0.09	0.1
077-H1	House	0.01	0.004	0.05	0.06	0.004	0.07	--	0.07	0.003	0.001	0.0004	0.006	0.007	0.0004	0.008	--	0.008	0.0004		0.02	0.7	0.05	0.06	0.04	1	0.3	0.3	0.1	0.004	0.3	0.008	0.007	0.02	0.5	0.1	0.09	0.1
077-H2	House	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0005	0.009	--	0.008	0.0004		0.02	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.009	0.008	0.02	0.5	0.1	0.09	0.1
077-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.008	0.0005	0.009	--	0.009	0.0004		0.02	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.009	0.009	0.02	0.5	0.1	0.09	0.1
078-G1	Garden	0.01	0.004	0.05	0.07	0.003	0.09	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0004	0.01	--	0.008	0.0005		0.02	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.009	0.008	0.01	0.5	0.1	0.09	0.1
078-H1	House	0.007	0.003	0.04	0.06	0.002	0.06	--	0.06	0.003	0.0009	0.0004	0.005	0.007	0.0002	0.007	--	0.006	0.0003		0.01	0.7	0.05	0.06	0.04	1	0.3	0.3	0.1	0.004	0.3	0.008	0.007	0.01	0.5	0.1	0.09	0.1
078-N1	Animal Activity Area	0.01	0.004	0.05	0.06	0.003	0.07	--	0.06	0.003	0.001	0.0005	0.006	0.007	0.0003	0.008	--	0.007	0.0003		0.02	0.7	0.06	0.06	0.04	1	0.3	0.3	0.1	0.004	0.3	0.008	0.008	0.01	0.5	0.1	0.09	0.1
078-O1	Other -Not Specified	0.009	0.004	0.06	0.07	0.002	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0003	0.01	--	0.008	0.0004		0.02	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.009	0.009	0.01	0.5	0.1	0.09	0.1
079-H1	House	0.03	0.005	0.06	0.09	0.009	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.001		0.03	0.7	0.07	0.09	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
079-H2	House	0.04	0.007	0.07	0.08	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.008	0.009	0.002	0.02	--	0.02	0.001		0.05	0.7	0.08	0.08	0.05	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
080-H1	House	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.004	0.004	0.001	0.02	0.01	0.0005	0.02	--	0.02	0.0004		0.04	0.7	0.2	0.1	0.04	1	0.3	0.4	0.1	0.006	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
081-A1	Agriculture	0.02	0.005	0.08	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0006		0.02	0.7	0.09	0.09	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
081-H1	House	0.02	0.007	0.1	0.1	0.006	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.0007	0.01	--	0.01	0.001		0.03	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.005	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
081-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.02	0.003	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002		0.04	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.006	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
082-G1	Garden	0.01	0.004	0.06	0.07	0.003	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.008	0.0004	0.01	--	0.009	0.0003		0.02	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.009	0.008	0.01	0.5	0.1	0.09	0.1
082-G2	Garden	0.02	0.004	0.06	0.07	0.005	0.1	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006		0.02	0.7	0.07	0.07	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.008	0.02	0.5	0.1	0.09	0.1
082-H1	House	0.01	0.004	0.05	0.07	0.004	0.09	--	0.08	0.004	0.001	0.0004	0.006	0.008	0.0004	0.01	--	0.009	0.0005		0.02	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.009	0.008	0.02	0.5	0.1	0.09	0.1
082-N1	Animal Activity Area	0.01	0.004	0.05	0.07	0.004	0.1	--	0.08	0.004	0.002	0.0005	0.006	0.008	0.0005	0.01	--	0.009	0.0005		0.02	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.005	0.3	0.009	0.009	0.02	0.5	0.1	0.09	0.1
082-N2	Animal Activity Area	0.02	0.004	0.06	0.07	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006		0.02	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.005	0.3	0.009	0.009	0.02	0.5	0.1	0.09	0.1
083-G1	Garden	0.02	0.005	0.08	0.09	0.005	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0006		0.03	0.7	0.09	0.09	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
083-G2	Garden	0.02	0.005	0.07	0.08	0.005	0.1	--	0.09	0.004	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0005		0.03	0.7	0.08	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
083-H1	House	0.02	0.005	0.07	0.08	0.006	0.09	--	0.09	0.007	0.002	0.0006	0.009	0.009	0.0007	0.01	--	0.01	0.0008		0.03	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
084-H1	House	0.01	0.005	0.07	0.09	0.005	0.1	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0004		0.02	0.7	0.08	0.09	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
085-H1	House	0.02	0.004	0.06	0.07	0.008	0.1	--	0.09	0.007	0.002	0.0005	0.007	0.008	0.0009	0.01	--	0.01	0.0008		0.02	0.7	0.07	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
085-O1	Other -Not Specified	0.03	0.006	0.1	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.009	0.002	0.02	--	0.01	0.001		0.03	0.7	0.1	0.08	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
085-P1	Play Area	0.05	0.008	0.09	0.09	0.02	0.2	--	0.2	0.02	0.006	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002		0.06	0.7	0.09	0.09	0.06	1	0.3	0.4	0.2	0.009	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
086-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.009	0.001	0.02	--	0.01	0.0009		0.03	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
086-H1	House	0.02	0.003	0.06	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.01	0.001	0.02	--	0.01	0.0008		0.03	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
086-H2	House	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001		0.04	0.7	0.08	0.09	0.05	1	0.3	0.4	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
087-H1	House	0.02	0.003	0.06	0.07	0.008	0.1	--	0.09	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007		0.03	0.7	0.07	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
087-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001		0.04	0.7	0.08	0.09	0.05	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
088-H1	House	0.06	0.005	0.08	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.003		0.06	0.7	0.09	0.1	0.06	1	0.3	0.4	0.2	0.009	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
088-H2	House	0.04	0.004	0.06	0.07	0.01	0.1	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.002	0.01	--	0.02	0.002		0.04	0.7	0.07	0.07	0.05	1	0.3	0.4	0.2	0.007	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
088-O1	Other -Not Specified	0.05	0.004	0.07	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002		0.05	0.7	0.08	0.1	0.06	1	0.3	0.4	0.2	0.008	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
089-A1	Agriculture	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.008	0.004	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.0009		0.04	0.7	0.09	0.1	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
089-H1	House	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.001		0.04	0.7	0.09	0.1	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
089-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0008		0.03	0.7	0.08	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
090-H1	House	0.01	0.005	0.06	0.08	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.007	0.009	0.001	0.01	--	0.01	0.0009		0.02	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
090-O2	Other -Not Specified	0.01	0.007	0.09	0.1	0.01	0.2	--	0.1	0.007	0.002	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0008		0.02	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
091-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.1	--	0.1	0.009	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.001		0.04	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
091-H1	House	0.03	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0008		0.03	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
092-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.07	--	0.1	0.02	0.002	0.0005	0.006	0.007	0.002	0.009	--	0.02	0.002		0.03	0.7	0.06	0.06	0.06	1	0.3	0.4	0.2	0.005	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
092-O2	Other -Not Specified	0.02	0.004	0.05	0.06	0.01	0.08	--	0.1	0.01	0.003	0.0005	0.006	0.007	0.002	0.009	--	0.01	0.001		0.03	0.7	0.05	0.06	0.05	1	0.3	0.3	0.1	0.005	0.3	0.008	0.007	0.02	0.5	0.1	0.1	0.1
093-H1	House	0.03	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.003	0.0004	0.007	0.009	0.001	0.01	--	0.01	0.0007		0.04	0.7	0.07	0.07	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
094-H1	House	0.03	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.02	--	0.01	0.0009		0.04	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
094-P1	Play Area	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001		0.03	0.7	0.08	0.1	0.05	1	0.3	0.4	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
095-A1	Agriculture	0.04	0.004	0.06	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0004	0.007	0.01	0.003	0.02	--	0.02	0.002		0.05	0.7	0.07	0.1	0.06	1	0.3	0.4	0.2	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
095-H1	House	0.04	0.005	0.07	0.1	0.02	0.2	--	0.2	0.01	0.005	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002		0.05	0.7	0.08	0.1	0.06	1	0.3	0.4	0.2	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
095-O1	Other -Not Specified	0.04	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002		0.05	0.7	0.07	0.08	0.06	1	0.3	0.4	0.2	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
095-O2	Other -Not Specified	0.05	0.005	0.07	0.1	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.002		0.05	0.7	0.07	0.1	0.06	1	0.3	0.4	0.2	0.008	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
096-H1	House	0.04	0.006	0.08	0.09	0.02	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002		0.05	0.7	0.09	0.09	0.06	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
096-O1	Other -Not Specified	0.07	0.006	0.08	0.1	0.02	0.2	--	0.2	0.03	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003		0.08	0.7	0.09	0.1	0.06	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
097-H1	House	0.02	0.005	0.07	0.09	0.01	0.09	--	0.2	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001		0.03	0.7	0.08	0.09	0.05	1	0.3	0.4	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
097-H2	House	0.02	0.005	0.06	0.08	0.008	0.07	--	0.2	0.01	0.002	0.0006	0.008	0.01	0.0009	0.009	--	0.02	0.001		0.03	0.7	0.07	0.08	0.05	1	0.3	0.4	0.2	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
098-G1	Garden	0.01	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.01	--	0.009	0.0003		0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
098-H1	House	0.008	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.009	--	0.009	0.0004		0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
098-O1	Other -Not Specified	0.008	0.004	0.06	0.09	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.007	0.01	0.0004	0.009	--	0.009	0.0003		0.02	0.7	0.07	0.09	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.01	0.5	0.1	0.09	0.1
099-A1	Agriculture	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009		0.03	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1

Table 5-24. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																					
099-G2	Garden	0.02	0.004	0.05	0.07	0.009	0.1	--	0.09	0.007	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.0008		0.03	0.7	0.06	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.009	0.008	0.02	0.5	0.1	0.09	0.1
099-H1	House	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.007	0.002	0.01	--	0.01	0.002		0.03	0.7	0.06	0.06	0.05	1	0.3	0.3	0.2	0.005	0.3	0.008	0.007	0.02	0.5	0.1	0.1	0.1
099-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002		0.03	0.7	0.06	0.06	0.05	1	0.3	0.4	0.2	0.005	0.3	0.009	0.007	0.02	0.5	0.1	0.1	0.1
100-G1	Garden	0.02	0.005	0.08	0.1	0.006	0.1	--	0.1	0.006	0.002	0.0006	0.01	0.01	0.0007	0.01	--	0.02	0.0007		0.02	0.7	0.09	0.1	0.04	1	0.3	0.4	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
100-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.02	0.003	0.0006	0.009	0.009	0.002	0.01	--	0.02	0.002		0.03	0.7	0.08	0.08	0.05	1	0.3	0.4	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
100-N1	Animal Activity Area	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.009	0.01	0.001	0.02	--	0.01	0.001		0.03	0.7	0.09	0.09	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
100-N2	Animal Activity Area	0.03	0.005	0.09	0.1	0.009	0.1	--	0.1	0.007	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0008		0.03	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
100-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.01	0.001		0.03	0.7	0.07	0.07	0.06	1	0.3	0.3	0.2	0.006	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
101-G1	Garden	0.02	0.007	0.1	0.09	0.008	0.1	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.0009	0.02	--	0.01	0.0006		0.03	0.7	0.1	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
101-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.002		0.03	0.7	0.08	0.08	0.05	1	0.3	0.3	0.2	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
101-O1	Other -Not Specified	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002		0.04	0.7	0.09	0.09	0.06	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
102-G1	Garden	0.02	0.007	0.1	0.1	0.008	0.2	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0006		0.03	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.005	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
102-H1	House	0.02	0.008	0.09	0.09	0.004	0.1	--	0.08	0.003	0.002	0.0009	0.01	0.01	0.0004	0.01	--	0.01	0.0003		0.02	0.7	0.09	0.09	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
103-H1	House	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001		0.03	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
103-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.001		0.03	0.7	0.06	0.07	0.05	1	0.3	0.3	0.2	0.006	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
104-H1	House	0.07	0.005	0.07	0.09	0.01	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002		0.07	0.7	0.08	0.09	0.05	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
104-H2	House	0.06	0.004	0.06	0.08	0.01	0.1	--	0.2	0.01	0.007	0.0005	0.007	0.01	0.001	0.02	--	0.02	0.002		0.06	0.7	0.07	0.09	0.05	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
104-N1	Animal Activity Area	0.06	0.004	0.05	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.006	0.008	0.001	0.02	--	0.02	0.001		0.06	0.7	0.06	0.07	0.05	1	0.3	0.4	0.2	0.009	0.3	0.009	0.009	0.02	0.5	0.1	0.1	0.1
105-H1	House	0.03	0.003	0.04	0.05	0.01	0.08	--	0.1	0.008	0.004	0.0003	0.005	0.006	0.001	0.009	--	0.01	0.001		0.04	0.7	0.05	0.06	0.05	1	0.3	0.3	0.1	0.006	0.3	0.008	0.007	0.02	0.5	0.1	0.09	0.1
105-P1	Play Area	0.03	0.002	0.03	0.04	0.03	0.08	--	0.1	0.01	0.004	0.0002	0.003	0.005	0.003	0.009	--	0.01	0.001		0.04	0.7	0.04	0.04	0.07	1	0.3	0.3	0.1	0.007	0.3	0.006	0.005	0.02	0.5	0.1	0.1	0.1
106-G1	Garden	0.01	0.006	0.07	0.06	0.005	0.08	--	0.08	0.003	0.001	0.0007	0.009	0.008	0.0006	0.009	--	0.009	0.0004		0.02	0.7	0.08	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.008	0.02	0.5	0.1	0.09	0.1
106-G2	Garden	0.01	0.005	0.07	0.08	0.006	0.1	--	0.08	0.003	0.002	0.0005	0.008	0.009	0.0007	0.01	--	0.009	0.0004		0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
106-H1	House	0.01	0.005	0.06	0.08	0.003	0.08	--	0.07	0.003	0.001	0.0006	0.008	0.009	0.0004	0.01	--	0.008	0.0003		0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.01	0.5	0.1	0.09	0.1
106-O1	Other -Not Specified	0.01	0.006	0.07	0.08	0.004	0.08	--	0.07	0.002	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.008	0.0003		0.02	0.7	0.08	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
107-H1	House	0.02	0.004	0.05	0.07	0.03	0.1	--	0.1	0.01	0.002	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.001		0.03	0.7	0.06	0.07	0.07	1	0.3	0.4	0.2	0.005	0.3	0.009	0.009	0.02	0.5	0.1	0.1	0.1
108-H1	House	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0009		0.03	0.7	0.07	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
108-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.002		0.03	0.7	0.08	0.09	0.05	1	0.3	0.4	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
108-O2	Other -Not Specified	0.02	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008		0.02	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
109-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001		0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.01	0.5	0.1	0.09	0.1
110-A1	Agriculture	0.03	0.004	0.08	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.002	0.02	--	0.02	0.001		0.04	0.7	0.08	0.1	0.05	1	0.3	0.4	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
110G	Garden	0.03	0.004	0.06	0.06	0.005	0.1	--	0.1	0.004	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0004		0.03	0.7	0.07	0.07	0.04	1	0.3	0.3	0.1	0.006	0.3	0.01	0.008	0.02	0.5	0.1	0.09	0.1
110-G1	Garden	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0004	0.008	0.01	0.001	0.02	--	0.01	0.0009		0.03	0.7	0.07	0.09	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
110-G2	Garden	0.01	0.004	0.07	0.1	0.005	0.1	--	0.09	0.004	0.002	0.0004	0.008	0.01	0.0006	0.02	--	0.01	0.0005		0.02	0.7	0.07	0.1	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
110-H1	House	0.02	0.004	0.06	0.09	0.009	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.01	0.001	0.01	--	0.01	0.0008		0.03	0.7	0.07	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
110-O1	Other -Not Specified	0.01	0.003	0.05	0.07	0.007	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.0008	0.01	--	0.01	0.0006		0.02	0.7	0.06	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.009	0.009	0.02	0.5	0.1	0.09	0.1
110-O2	Other -Not Specified	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001		0.03	0.7	0.08	0.1	0.05	1	0.3	0.4	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
111-H1	House	0.02	0.004	0.06	0.07	0.004	0.08	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0005	0.01	--	0.01	0.0004		0.03	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
112G	Garden	0.09	0.008	0.08	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0009	0.009	0.009	0.005	0.02	--	0.02	0.002		0.1	0.7	0.09	0.07	0.08	1	0.3	0.4	0.2	0.01	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
112-G1	Garden	0.05	0.01	0.09	0.09	0.02	0.1	--	0.1	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002		0.06	0.7	0.1	0.09	0.06	1	0.3	0.4	0.2	0.009	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
112-H1	House	0.04	0.01	0.08	0.08	0.02	0.09	--	0.1	0.02	0.005	0.001	0.009	0.01	0.002	0.01	--	0.01	0.002		0.05	0.7	0.09	0.08	0.05	1	0.3	0.3	0.2	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
112-O1	Other -Not Specified	0.07	0.009	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.001	0.009	0.01	0.004	0.01	--	0.02	0.004		0.07	0.7	0.09	0.09	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
113-G1	Garden	0.04	0.006	0.09	0.1	0.03	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002		0.05	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
113-G2	Garden	0.05	0.007	0.1	0.1	0.03	0.2	--	0.2	0.02	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003		0.06	0.7	0.1	0.1	0.07	1	0.3	0.4	0.2	0.009	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
113-G3	Garden	0.03	0.005	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.007	0.008	0.002	0.01	--	0.01	0.001		0.03	0.7	0.07	0.07	0.06	1	0.3	0.3	0.1	0.006	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
113low	Other -Not Specified	0.08	0.006	0.08	0.1	0.02	0.2	--	0.2	0.02	0.009	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003		0.09	0.7	0.09	0.1	0.06	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
113-O1	Other -Not Specified	0.03	0.005	0.08	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.01	0.002		0.04	0.7	0.09	0.09	0.06	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
113up	Other -Not Specified	0.1	0.005	0.08	0.08	0.03	0.2	--	0.3	0.03	0.01	0.0005	0.009	0.009	0.004	0.02	--	0.03	0.004		0.1	0.7	0.08	0.08	0.07	1	0.3	0.5	0.2	0.02	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
114-G1	Garden	0.03	0.005	0.05	0.1	0.02	0.07	--	0.1	0.03	0.004	0.0005	0.006	0.01	0.002	0.009	--	0.02	0.003		0.04	0.7	0.06	0.1	0.05	1	0.3	0.4	0.2	0.006	0.3	0.009	0.01	0.02	0.5	0.1	0.1	0.1
114-H1	House	0.04	0.005	0.06	0.2	0.02	0.08	--	0.2	0.03	0.004	0.0006	0.007	0.02	0.003	0.01	--	0.02	0.004		0.05	0.7	0.07	0.2	0.06	1	0.3	0.4	0.2	0.007	0.3	0.01	0.02	0.02	0.5	0.1	0.1	0.1
114-O1	Other -Not Specified	0.03	0.006	0.06	0.2	0.02	0.08	--	0.2	0.03	0.003	0.0006	0.008	0.02	0.002	0.009	--	0.02	0.003		0.04	0.7	0.07	0.2	0.06	1	0.3	0.4	0.2	0.006	0.3	0.01	0.02	0.02	0.5	0.1	0.1	0.1
115-O1	Other -Not Specified	0.1	0.008	0.1	0.1	0.03	0.1	--	0.3	0.02	0.02	0.0009	0.01	0.01	0.004	0.01	--	0.04	0.002		0.1	0.7	0.1	0.1	0.07	1	0.3	0.6	0.2	0.02	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
115SP	Other -Not Specified	0.09	0.005	0.08	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0006	0.009	0.01	0.007	0.02	--	0.04	0.003		0.1	0.7	0.08	0.08	0.1	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
116M	House	0.06	0.004	0.07	0.1	0.05	0.07	--	0.2	0.02	0.007	0.0005	0.008	0.01	0.006	0.008	--	0.02	0.002		0.07	0.7	0.08	0.1	0.09	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
116-O1	Other -Not Specified	0.02	0.006	0.07	0.08	0.01	0.2	--	0.1	0.01	0.002	0.0007	0.009	0.01	0.002	0.02	--	0.01	0.001		0.02	0.7	0.08	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
117-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.002	0.004	0.001	0.02	0.02	0.0005	0.02	--	0.01	0.0002		0.04	0.7	0.1	0.1	0.04	1	0.3	0.3	0.1	0.007	0.3	0.02	0.02	0.02	0.5	0.1	0.1	0.1
118-G1	Garden	0.01	0.005	0.08	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.02	--	0.01	0.0004		0.02	0.7	0.08	0.09	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
118-G2	Garden	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003		0.02	0.7	0.07	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
118-H1	House	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.01	0.0005	0.01	--	0.009	0.0004		0.02	0.7	0.07	0.09	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
118-N1	Animal Activity Area	0.02	0.004	0.05	0.07	0.007	0.1	--	0.08	0.007	0.002	0.0004	0.006	0.008	0.0009	0.02	--	0.009	0.0008		0.02	0.7	0.06	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.009	0.008	0.02	0.5	0.1	0.09	0.1
118-N2	Animal Activity Area	0.02	0.003	0.05	0.07	0.01	0.2	--	0.09	0.01	0.003	0.0004	0.006	0.008	0.001	0.02	--	0.01	0.001		0.03	0.7	0.05	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.008	0.009	0.02	0.5	0.1	0.09	0.1
119-P1	Play Area	0.09	0.004	0.08	0.08	0.04	0.2	--	0.2	0.03	0.01	0.0005	0.009	0.01	0.004	0.02	--	0.03	0.003		0.1	0.7	0.08	0.09	0.08	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
120-A1	Agriculture	0.02	0.01	0.07	0.06	0.008	0.07	--	0.07	0.007	0.003	0.001	0.008	0.007	0.0009	0.009	--	0.009	0.0009		0.03	0.7	0.08	0.06	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.007	0.02	0.5	0.1	0.09	0.1
120-G1	Garden	0.02	0.008	0.03	0.04	0.01	0.07	--	0.07	0.01	0.002	0.0009	0.004	0.005	0.001	0.008	--	0.008	0.001		0.03	0.7	0.04	0.04	0.05	1	0.3	0.3	0.2	0.005	0.3	0.007	0.005	0.02	0.5	0.1	0.09	0.1
120-H1	House	0.02	0.007	0.05	0.05	0.01	0.07	--	0.07	0.008	0.003	0.0008	0.005	0.006	0.001	0.008	--	0.009	0.0009		0.03	0.7	0.05	0.05	0.05	1	0.3	0.3	0.1	0.005	0.3	0.008	0.006	0.02	0.5	0.1	0.09	0.1
120-O1	Other -Not Specified	0.03	0.01	0.05	0.06	0.01	0.09	--	0.09	0.01	0.004	0.001	0.006	0.006	0.002	0.01	--	0.01	0.001		0.04	0.7	0.06	0.06	0.05	1	0.3	0.3	0.1	0.006	0.3	0.009	0.007	0.02	0.5	0.1	0.09	0.1
121-G1	Garden	0.02	0.006	0.07	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.008	0.01	0.0008	0.01	--	0.01	0.0004		0.03	0.7	0.08	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1

Table 5-24. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																						
121-H1	House	0.02	0.005	0.07	0.08	0.009	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0007	0.03	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
121-N1	Animal Activity Area	0.02	0.005	0.07	0.09	0.006	0.1	--	0.09	0.003	0.002	0.0006	0.008	0.01	0.0007	0.01	--	0.01	0.0004	0.02	0.7	0.08	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
121-N2	Animal Activity Area	0.02	0.005	0.07	0.09	0.009	0.1	--	0.1	0.005	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0006	0.02	0.7	0.08	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
122-G1	Garden	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.02	0.7	0.07	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
122-G2	Garden	0.02	0.004	0.06	0.07	0.008	0.09	--	0.09	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.03	0.7	0.06	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.009	0.009	0.02	0.5	0.1	0.09	0.1
122-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.002	0.0005	0.009	0.01	0.001	0.02	--	0.01	0.002	0.03	0.7	0.08	0.1	0.05	1	0.3	0.3	0.2	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
122-H2	House	0.01	0.004	0.06	0.08	0.009	0.1	--	0.09	0.008	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009	0.02	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
122-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.03	0.7	0.08	0.09	0.06	1	0.3	0.4	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
122-O2	Other -Not Specified	0.04	0.004	0.07	0.09	0.03	0.1	--	0.2	0.03	0.005	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.003	0.05	0.7	0.08	0.09	0.07	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
122-P1	Play Area	0.04	0.004	0.07	0.09	0.04	0.2	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.02	--	0.02	0.004	0.04	0.7	0.08	0.09	0.08	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
123-G1	Garden	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.04	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
123-G2	Garden	0.04	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.01	0.001	0.04	0.7	0.1	0.09	0.05	1	0.3	0.3	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
123-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.009	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001	0.04	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.007	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
123-O1	Other -Not Specified	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001	0.04	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.006	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
123-O2	Other -Not Specified	0.05	0.007	0.1	0.1	0.04	0.2	--	0.2	0.03	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.06	0.7	0.1	0.1	0.07	1	0.3	0.4	0.2	0.009	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
124-G1	Garden	0.01	0.007	0.09	0.1	0.005	0.09	--	0.1	0.006	0.002	0.0009	0.01	0.01	0.0006	0.01	--	0.01	0.0006	0.02	0.7	0.1	0.1	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
124-G2	Garden	0.04	0.01	0.2	0.1	0.02	0.1	--	0.2	0.01	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.002	0.04	0.7	0.2	0.1	0.05	1	0.3	0.4	0.2	0.007	0.3	0.02	0.02	0.02	0.5	0.1	0.1	0.1
124-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.007	0.004	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0008	0.04	0.7	0.2	0.2	0.05	1	0.3	0.4	0.1	0.006	0.3	0.02	0.02	0.02	0.5	0.1	0.1	0.1
124-N1	Animal Activity Area	0.02	0.009	0.08	0.07	0.005	0.07	--	0.09	0.005	0.002	0.001	0.009	0.008	0.0006	0.008	--	0.01	0.0005	0.02	0.7	0.09	0.07	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
124-N2	Animal Activity Area	0.01	0.005	0.07	0.1	0.001	0.08	--	0.07	0.001	0.001	0.0006	0.008	0.01	0.0002	0.01	--	0.008	0.0001	0.02	0.7	0.08	0.1	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.01	0.5	0.1	0.09	0.1
124-O1	Other -Not Specified	0.03	0.01	0.2	0.1	0.01	0.2	--	0.2	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002	0.04	0.7	0.2	0.1	0.05	1	0.3	0.4	0.2	0.007	0.3	0.02	0.02	0.02	0.5	0.1	0.1	0.1
125-O1	Other -Not Specified	0.02	0.007	0.09	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0008	0.01	0.01	0.001	0.01	--	0.01	0.001	0.03	0.7	0.1	0.09	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
126-A1	Agriculture	0.02	0.003	0.04	0.07	0.008	0.09	--	0.09	0.007	0.002	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.0008	0.03	0.7	0.05	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.008	0.008	0.02	0.5	0.1	0.09	0.1
126-G1	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.004	0.003	0.0005	0.007	0.01	0.0008	0.01	--	0.01	0.0005	0.03	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
126-G2	Garden	0.02	0.004	0.05	0.07	0.008	0.1	--	0.08	0.006	0.002	0.0004	0.006	0.008	0.0009	0.01	--	0.01	0.0007	0.02	0.7	0.06	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.009	0.009	0.02	0.5	0.1	0.09	0.1
126-H1	House	0.01	0.003	0.04	0.06	0.004	0.07	--	0.06	0.003	0.001	0.0003	0.005	0.007	0.0004	0.008	--	0.007	0.0004	0.02	0.7	0.05	0.06	0.04	1	0.3	0.3	0.1	0.004	0.3	0.008	0.007	0.02	0.5	0.1	0.09	0.1
126-O1	Other -Not Specified	0.02	0.003	0.05	0.07	0.007	0.09	--	0.08	0.005	0.002	0.0004	0.005	0.008	0.0008	0.01	--	0.01	0.0006	0.02	0.7	0.05	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.008	0.008	0.02	0.5	0.1	0.09	0.1
126-O2	Other -Not Specified	0.01	0.003	0.04	0.07	0.006	0.07	--	0.07	0.003	0.002	0.0003	0.005	0.008	0.0007	0.008	--	0.008	0.0004	0.02	0.7	0.05	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.008	0.008	0.02	0.5	0.1	0.09	0.1
126-O3	Other -Not Specified	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.005	0.002	0.0005	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.02	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
126-P1	Play Area	0.01	0.003	0.04	0.06	0.005	0.05	--	0.1	0.003	0.002	0.0003	0.005	0.007	0.0006	0.005	--	0.01	0.0004	0.02	0.7	0.05	0.06	0.04	1	0.3	0.3	0.1	0.004	0.3	0.008	0.007	0.02	0.5	0.1	0.1	0.1
127-A1	Agriculture	0.03	0.004	0.07	0.09	0.02	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.003	0.02	--	0.02	0.002	0.04	0.7	0.08	0.1	0.06	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
127-G1	Garden	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.03	0.7	0.08	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
127-G2	Garden	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009	0.03	0.7	0.08	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
127-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.001	0.03	0.7	0.08	0.09	0.05	1	0.3	0.3	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
127-H2	House	0.01	0.005	0.06	0.08	0.007	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006	0.02	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
127-N1	Animal Activity Area	0.02	0.003	0.05	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0004	0.006	0.009	0.002	0.01	--	0.01	0.001	0.03	0.7	0.06	0.08	0.06	1	0.3	0.3	0.2	0.005	0.3	0.009	0.009	0.02	0.5	0.1	0.1	0.1
128-G1	Garden	0.05	0.01	0.1	0.1	0.008	0.1	--	0.1	0.006	0.006	0.001	0.01	0.01	0.0009	0.02	--	0.02	0.0007	0.06	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.009	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
128-G2	Garden	0.05	0.02	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.002	0.01	0.01	0.001	0.02	--	0.02	0.001	0.05	0.7	0.1	0.09	0.05	1	0.3	0.4	0.1	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
128-G3	Garden	0.03	0.008	0.1	0.1	0.006	0.1	--	0.1	0.004	0.004	0.0009	0.01	0.01	0.0007	0.02	--	0.02	0.0005	0.04	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
128-N1	Animal Activity Area	0.05	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
128-O1	Other -Not Specified	0.04	0.02	0.09	0.1	0.01	0.1	--	0.1	0.007	0.004	0.002	0.01	0.01	0.001	0.02	--	0.02	0.0009	0.04	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
129-H1	House	0.05	0.004	0.05	0.08	0.04	0.07	--	0.2	0.02	0.006	0.0004	0.006	0.009	0.004	0.008	--	0.02	0.002	0.06	0.7	0.06	0.08	0.08	1	0.3	0.4	0.2	0.009	0.3	0.009	0.009	0.02	0.5	0.1	0.1	0.1
129-H2	House	0.05	0.003	0.05	0.07	0.04	0.08	--	0.2	0.02	0.005	0.0004	0.006	0.008	0.004	0.009	--	0.02	0.003	0.05	0.7	0.06	0.07	0.07	1	0.3	0.4	0.2	0.008	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
130-G1	Garden	0.01	0.004	0.05	0.07	0.006	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0006	0.01	--	0.008	0.0005	0.02	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.008	0.008	0.02	0.5	0.1	0.09	0.1
130-H1	House	0.008	0.004	0.05	0.08	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.006	0.009	0.0003	0.008	--	0.008	0.0003	0.02	0.7	0.06	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.009	0.009	0.01	0.5	0.1	0.09	0.1
130-H2	House	0.02	0.005	0.07	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0007	0.02	0.7	0.08	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
131-H1	House	0.03	0.005	0.07	0.09	0.01	0.09	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.002	0.03	0.7	0.08	0.1	0.05	1	0.3	0.4	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
132-G1	Garden	0.01	0.004	0.06	0.08	0.003	0.06	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.007	--	0.008	0.0003	0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.01	0.5	0.1	0.09	0.1
132-G2	Garden	0.009	0.004	0.07	0.09	0.002	0.08	--	0.07	0.001	0.001	0.0005	0.008	0.01	0.0002	0.009	--	0.008	0.0001	0.02	0.7	0.07	0.09	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.01	0.5	0.1	0.09	0.1
132-H1	House	0.01	0.004	0.05	0.07	0.004	0.07	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.008	--	0.009	0.0004	0.02	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.009	0.008	0.02	0.5	0.1	0.09	0.1
132-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0004	0.02	0.7	0.08	0.09	0.05	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
133-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.1	--	0.2	0.02	0.005	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002	0.05	0.7	0.08	0.09	0.06	1	0.3	0.4	0.2	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
133-H1	House	0.03	0.02	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.002	0.008	0.01	0.001	0.01	--	0.01	0.001	0.04	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
134-O1	Other -Not Specified	0.1	0.004	0.07	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0005	0.008	0.01	0.007	0.01	--	0.04	0.004	0.1	0.7	0.08	0.08	0.1	1	0.3	0.5	0.2	0.02	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
135-G1	Garden	0.05	0.005	0.07	0.07	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.02	--	0.02	0.001	0.06	0.7	0.08	0.07	0.05	1	0.3	0.4	0.1	0.009	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
135-H1	House	0.05	0.005	0.07	0.09	0.01	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.002	0.06	0.7	0.08	0.09	0.05	1	0.3	0.4	0.2	0.009	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
135-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.001	0.06	0.7	0.08	0.09	0.05	1	0.3	0.4	0.1	0.009	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
136-A1	Agriculture	0.02	0.005	0.06	0.08	0.01	0.08	--	0.09	0.005	0.002	0.0006	0.007	0.009	0.001	0.009	--	0.01	0.0005	0.02	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
136-G1	Garden	0.01	0.005	0.06	0.07	0.007	0.08	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0008	0.01	--	0.01	0.0005	0.02	0.7	0.06	0.08	0.05	1	0.3	0.3	0.1	0.004	0.3	0.009	0.009	0.02	0.5	0.1	0.09	0.1
136-H1	House	0.02	0.005	0.06	0.07	0.009	0.07	--	0.09	0.005	0.002	0.0006	0.006	0.008	0.001	0.008	--	0.01	0.0006	0.02	0.7	0.06	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.009	0.008	0.02	0.5	0.1	0.09	0.1
136-O1	Other -Not Specified	0.02	0.003	0.04	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.005	0.007	0.003	0.01	--	0.02	0.002	0.03	0.7	0.05	0.06	0.06	1	0.3	0.4	0.2	0.005	0.3	0.008	0.008	0.02	0.5	0.1	0.1	0.1
137-O1	Other -Not Specified	0.02	0.003	0.04	0.05	0.02	0.09	--	0.1	0.02	0.002	0.0003	0.005	0.006	0.002	0.01	--	0.01	0.002	0.02	0.7	0.05	0.05	0.06	1	0.3	0.3	0.2	0.005	0.3	0.007	0.007	0.02	0.5	0.1	0.1	0.1
137-O2	Other -Not Specified	0.02	0.003	0.05	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.002	0.03	0.7	0.06	0.07	0.05	1	0.3	0.3	0.2	0.005	0.3	0.008	0.008	0.02	0.5	0.1	0.1	0.1
138-G1	Garden	0.02	0.008	0.09	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.001	0.03	0.7	0.09	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
138-G2	Garden	0.02	0.009	0.09	0.08	0.01	0.1	--	0.08	0.009	0.002	0.001	0.01	0.009	0.001	0.02	--	0.01	0.001	0.03	0.7	0.09	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
138-H1	House	0.02	0.009	0.09	0.1	0.009	0.1	--	0.1	0.007	0.002	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0008	0.03	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
138-O1	Other -Not Specified	0.01	0.007	0.08	0.1	0.006	0.1	--	0.09	0.005	0.002	0.0008	0.009	0.01	0.0007	0.01	--	0.01	0.0006	0.02	0.7	0.09	0.1	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1

Table 5-24. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
138-O2	Other -Not Specified	0.02	0.01	0.08	0.08	0.01	0.1	--	0.09	0.02	0.003	0.001	0.009	0.009	0.001	0.01	--	0.01	0.002	0.03	0.7	0.09	0.08	0.05	1	0.3	0.3	0.2	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
139-G1	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0006	0.03	0.7	0.09	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
139-G2	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0009	0.01	--	0.01	0.0006	0.03	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
139-H1	House	0.02	0.004	0.07	0.07	0.006	0.1	--	0.09	0.006	0.002	0.0005	0.009	0.009	0.0007	0.01	--	0.01	0.0007	0.02	0.7	0.08	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
139-N1	Animal Activity Area	0.02	0.004	0.08	0.08	0.008	0.1	--	0.1	0.006	0.002	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.0007	0.02	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
140-G1	Garden	0.09	0.004	0.07	0.09	0.05	0.2	--	0.2	0.02	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.003	0.1	0.7	0.08	0.09	0.09	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
140-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.01	0.5	0.1	0.09	0.1
140-O1	Other -Not Specified	0.2	0.004	0.07	0.08	0.06	0.2	--	0.4	0.04	0.02	0.0005	0.008	0.01	0.008	0.02	--	0.04	0.005	0.2	0.7	0.07	0.08	0.1	1	0.3	0.6	0.2	0.02	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
140-O2[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.01	0.5	0.1	0.09	0.1
141-A1	Agriculture	0.03	0.009	0.1	0.1	0.008	0.2	--	0.1	0.006	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0006	0.04	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.007	0.3	0.02	0.02	0.02	0.5	0.1	0.1	0.1
141-H1	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.001	0.01	0.01	0.001	0.01	--	0.01	0.0008	0.04	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.007	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
141-H2	House	0.04	0.01	0.2	0.1	0.02	0.2	--	0.1	0.01	0.005	0.001	0.02	0.02	0.002	0.02	--	0.02	0.001	0.05	0.7	0.2	0.1	0.05	1	0.3	0.4	0.1	0.008	0.3	0.02	0.02	0.02	0.5	0.1	0.1	0.1
141-H3	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.008	0.004	0.001	0.01	0.02	0.001	0.02	--	0.01	0.001	0.04	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.007	0.3	0.02	0.02	0.02	0.5	0.1	0.1	0.1
141-N1	Animal Activity Area	0.02	0.006	0.08	0.1	0.007	0.1	--	0.08	0.005	0.002	0.0007	0.01	0.01	0.0008	0.01	--	0.009	0.0006	0.03	0.7	0.09	0.1	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
141-N2	Animal Activity Area	0.04	0.009	0.1	0.1	0.01	0.2	--	0.1	0.007	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0008	0.04	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.007	0.3	0.02	0.02	0.02	0.5	0.1	0.1	0.1
141-N3	Animal Activity Area	0.01	0.004	0.05	0.06	0.004	0.05	--	0.09	0.002	0.001	0.0004	0.006	0.007	0.0005	0.006	--	0.01	0.0003	0.02	0.7	0.06	0.06	0.04	1	0.3	0.3	0.1	0.004	0.3	0.009	0.007	0.02	0.5	0.1	0.09	0.1
141-N4	Animal Activity Area	0.03	0.009	0.1	0.1	0.009	0.1	--	0.1	0.006	0.004	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0007	0.04	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.007	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
141-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.02	0.001	0.02	--	0.01	0.0008	0.04	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.007	0.3	0.02	0.02	0.02	0.5	0.1	0.1	0.1
142-H1	House	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.02	0.001	0.03	0.7	0.09	0.09	0.05	1	0.3	0.4	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
142-O1	Other -Not Specified	0.02	0.005	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.001	0.03	0.7	0.09	0.1	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
143-A1	Agriculture	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007	0.03	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
143-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.03	0.7	0.07	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
143-G2	Garden	0.02	0.004	0.07	0.07	0.007	0.1	--	0.1	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006	0.03	0.7	0.08	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
143-H1	House	0.02	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009	0.03	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
144-G1	Garden	0.04	0.005	0.08	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.7	0.09	0.08	0.06	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
144-H1	House	0.04	0.004	0.07	0.08	0.02	0.1	--	0.2	0.02	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.04	0.7	0.08	0.08	0.06	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
145-A1	Agriculture	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.02	--	0.01	0.001	0.02	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
145-H1	House	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002	0.04	0.7	0.08	0.09	0.06	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
146G	Garden	0.03	0.007	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0008	0.01	0.01	0.0007	0.02	--	0.02	0.0005	0.04	0.7	0.1	0.1	0.04	1	0.3	0.4	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
146-H1	House	0.2	0.004	0.07	0.09	0.1	0.2	--	0.7	0.2	0.02	0.0005	0.009	0.01	0.01	0.03	--	0.08	0.02	0.2	0.7	0.08	0.09	0.2	1	0.3	0.9	0.3	0.02	0.3	0.01	0.01	0.03	0.6	0.1	0.2	0.2
147-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0007	0.02	0.7	0.08	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
147-G2	Garden	0.02	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.001	0.03	0.7	0.08	0.09	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
147-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0006	0.008	0.01	0.001	0.02	--	0.01	0.001	0.03	0.7	0.08	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
148-H1	House	0.01	0.004	0.06	0.07	0.004	0.07	--	0.08	0.004	0.001	0.0005	0.007	0.009	0.0005	0.008	--	0.009	0.0005	0.02	0.7	0.06	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.009	0.009	0.02	0.5	0.1	0.09	0.1
148-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.08	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.02	0.7	0.08	0.09	0.05	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
148-O3	Other -Not Specified	0.03	0.005	0.07	0.09	0.01	0.08	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.009	--	0.02	0.001	0.04	0.7	0.08	0.09	0.05	1	0.3	0.4	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
149-A1	Agriculture	0.04	0.05	0.3	0.2	0.02	0.2	--	0.3	0.05	0.005	0.006	0.03	0.02	0.002	0.02	--	0.03	0.006	0.05	0.7	0.3	0.2	0.05	1	0.3	0.5	0.2	0.007	0.3	0.04	0.02	0.02	0.6	0.1	0.1	0.1
149-G1	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.04	0.7	0.2	0.2	0.05	1	0.3	0.4	0.2	0.007	0.3	0.03	0.02	0.02	0.6	0.1	0.1	0.1
149-G2	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.04	0.7	0.2	0.2	0.05	1	0.3	0.4	0.2	0.007	0.3	0.03	0.02	0.02	0.5	0.1	0.1	0.1
149-H1	House	0.04	0.03	0.2	0.1	0.02	0.2	--	0.2	0.03	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.04	0.7	0.2	0.1	0.06	1	0.3	0.4	0.2	0.007	0.3	0.03	0.02	0.02	0.5	0.1	0.1	0.1
149-N1	Animal Activity Area	0.02	0.02	0.2	0.1	0.01	0.1	--	0.2	0.02	0.003	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002	0.03	0.7	0.2	0.1	0.05	1	0.3	0.4	0.2	0.006	0.3	0.02	0.02	0.02	0.5	0.1	0.1	0.1
150-G1	Garden	0.01	0.004	0.05	0.07	0.005	0.08	--	0.08	0.004	0.002	0.0005	0.006	0.009	0.0006	0.009	--	0.01	0.0004	0.02	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.009	0.009	0.02	0.5	0.1	0.09	0.1
150-H1	House	0.01	0.005	0.06	0.07	0.005	0.08	--	0.07	0.004	0.001	0.0005	0.007	0.009	0.0005	0.009	--	0.008	0.0004	0.02	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.009	0.009	0.02	0.5	0.1	0.09	0.1
151-H1	House	0.02	0.006	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.008	0.01	0.001	0.01	--	0.01	0.001	0.03	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
152-G1	Garden	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001	0.04	0.7	0.07	0.09	0.05	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
152-H1	House	0.04	0.007	0.08	0.07	0.02	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.008	0.002	0.01	--	0.02	0.002	0.04	0.7	0.09	0.07	0.06	1	0.3	0.4	0.2	0.007	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
153-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.2	--	0.1	0.01	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.05	0.7	0.07	0.09	0.06	1	0.3	0.4	0.1	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
153-H1	House	0.08	0.006	0.09	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0007	0.01	0.01	0.004	0.02	--	0.03	0.004	0.09	0.7	0.1	0.09	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
153-O1	Other -Not Specified	0.04	0.005	0.08	0.08	0.03	0.3	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.03	--	0.02	0.003	0.04	0.7	0.09	0.08	0.07	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
153-O2	Other -Not Specified	0.04	0.003	0.04	0.05	0.05	0.1	--	0.2	0.03	0.005	0.0003	0.004	0.006	0.006	0.02	--	0.02	0.003	0.05	0.7	0.04	0.05	0.09	1	0.3	0.4	0.2	0.007	0.3	0.007	0.006	0.02	0.5	0.1	0.1	0.1
153-O3	Other -Not Specified	0.07	0.005	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	0.0006	0.009	0.01	0.004	0.02	--	0.02	0.002	0.08	0.7	0.08	0.1	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
153-O5	Other -Not Specified	0.08	0.005	0.07	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0005	0.008	0.01	0.004	0.02	--	0.03	0.003	0.09	0.7	0.08	0.09	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
153-O6	Other -Not Specified	0.05	0.005	0.08	0.1	0.02	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.001	0.06	0.7	0.09	0.1	0.06	1	0.3	0.4	0.2	0.009	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
153-O7	Other -Not Specified	0.08	0.005	0.08	0.09	0.05	0.2	--	0.2	0.04	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.005	0.09	0.7	0.08	0.09	0.09	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
153-P1	Play Area	0.07	0.005	0.09	0.09	0.04	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.03	--	0.03	0.004	0.08	0.7	0.1	0.09	0.07	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
154-G1	Garden	0.01	0.006	0.08	0.09	0.003	0.1	--	0.09	0.003	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.01	0.0003	0.02	0.7	0.09	0.09	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.01	0.5	0.1	0.09	0.1
154-H1	House	0.01	0.005	0.07	0.07	0.007	0.07	--	0.08	0.003	0.001	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0004	0.02	0.7	0.08	0.07	0.05	1	0.3	0.3	0.1	0.004	0.3	0.01	0.008	0.02	0.5	0.1	0.09	0.1
155-G1	Garden	0.04	0.004	0.07	0.07	0.02	0.1	--	0.1	0.02	0.005	0.0005	0.008	0.008	0.003	0.02	--	0.02	0.002	0.05	0.7	0.08	0.07	0.06	1	0.3	0.4	0.2	0.007	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
155-G2	Garden	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.001	0.03	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
155-H1	House	0.02	0.005	0.07	0.07	0.008	0.08	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006	0.02	0.7	0.08	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
155-H2	House	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.02	0.001	0.04	0.7	0.06	0.07	0.06	1	0.3	0.4	0.2	0.006	0.3	0.009	0.009	0.02	0.5	0.1	0.1	0.1
155-O2	Other -Not Specified	0.04	0.003	0.06	0.06	0.04	0.1	--	0.2	0.02	0.005	0.0004	0.007	0.007	0.005	0.01	--	0.02	0.003	0.05	0.7	0.06	0.06	0.08	1	0.3	0.4	0.2	0.007	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
156-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0009	0.03	0.7	0.07	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
156-O1	Other -Not Specified	0.03	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.006	0.008	0.003	0.01	--	0.02	0.002	0.04	0.7	0.06	0.07	0.06	1	0.3	0.4	0.2	0.006	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
157-G1	Garden	0.02	0.005	0.07	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0008	0.009	--	0.01	0.0006	0.02	0.7	0.08	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
157-H1	House	0.02	0.005	0.07	0.08	0.01	0.07	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.002	0.009	--	0.02	0.001	0.03	0.7	0.08	0.08	0.05	1	0.3	0.4	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1

Table 5-24. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																					
157-H2	House	0.02	0.005	0.07	0.08	0.008	0.07	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.009	--	0.01	0.0008		0.03	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
157-O1	Other -Not Specified	0.02	0.004	0.06	0.06	0.009	0.06	--	0.09	0.007	0.002	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.0008		0.02	0.7	0.07	0.06	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.008	0.02	0.5	0.1	0.09	0.1
158-H1	House	0.01	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0005	0.008	--	0.01	0.0004		0.02	0.7	0.07	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
158-O1	Other -Not Specified	0.01	0.005	0.07	0.08	0.006	0.08	--	0.1	0.004	0.001	0.0005	0.008	0.009	0.0007	0.009	--	0.01	0.0004		0.02	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
159-G1	Garden	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0008		0.03	0.7	0.06	0.07	0.05	1	0.3	0.3	0.1	0.006	0.3	0.009	0.009	0.02	0.5	0.1	0.09	0.1
159-H1	House	0.02	0.003	0.05	0.06	0.006	0.07	--	0.08	0.006	0.002	0.0004	0.005	0.007	0.0007	0.008	--	0.009	0.0007		0.03	0.7	0.05	0.06	0.04	1	0.3	0.3	0.1	0.005	0.3	0.008	0.007	0.02	0.5	0.1	0.09	0.1
159-H2	House	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001		0.04	0.7	0.06	0.07	0.05	1	0.3	0.3	0.1	0.007	0.3	0.009	0.009	0.02	0.5	0.1	0.1	0.1
159-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.005	0.08	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006		0.02	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.005	0.3	0.009	0.009	0.02	0.5	0.1	0.09	0.1
159-O2	Other -Not Specified	0.02	0.004	0.06	0.07	0.006	0.08	--	0.08	0.006	0.002	0.0005	0.007	0.008	0.0007	0.009	--	0.009	0.0007		0.02	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.005	0.3	0.009	0.009	0.02	0.5	0.1	0.09	0.1
160-G1	Garden	0.03	0.004	0.06	0.07	0.009	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001		0.03	0.7	0.07	0.07	0.05	1	0.3	0.3	0.2	0.006	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
160-H1	House	0.02	0.004	0.07	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0005	0.008	0.01	0.0007	0.01	--	0.01	0.0008		0.03	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
160-H2	House	0.02	0.005	0.07	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0006		0.03	0.7	0.08	0.09	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
161-H1	House	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.002		0.04	0.7	0.07	0.08	0.05	1	0.3	0.4	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
161-N1	Animal Activity Area	0.02	0.004	0.06	0.06	0.008	0.08	--	0.09	0.01	0.002	0.0005	0.007	0.007	0.0009	0.009	--	0.01	0.001		0.03	0.7	0.06	0.06	0.05	1	0.3	0.3	0.1	0.005	0.3	0.009	0.008	0.02	0.5	0.1	0.09	0.1
162-H1	House	0.01	0.003	0.05	0.06	0.02	0.05	--	0.08	0.008	0.002	0.0003	0.006	0.008	0.002	0.006	--	0.009	0.0009		0.02	0.7	0.06	0.07	0.05	1	0.3	0.3	0.1	0.004	0.3	0.008	0.008	0.02	0.5	0.1	0.09	0.1
163G	Garden	0.09	0.005	0.07	0.08	0.02	0.2	--	0.2	0.02	0.01	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002		0.1	0.7	0.08	0.08	0.05	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
163-G1	Garden	0.01	0.003	0.05	0.06	0.008	0.09	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.001	0.01	--	0.009	0.0006		0.02	0.7	0.06	0.07	0.05	1	0.3	0.3	0.1	0.004	0.3	0.009	0.008	0.02	0.5	0.1	0.09	0.1
163-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001		0.02	0.7	0.06	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.009	0.009	0.02	0.5	0.1	0.1	0.1
164-H1	House	0.03	0.005	0.07	0.09	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.002		0.04	0.7	0.08	0.09	0.06	1	0.3	0.3	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
165-H1	House	0.03	0.01	0.2	0.2	0.009	0.1	--	0.09	0.005	0.003	0.002	0.02	0.02	0.001	0.02	--	0.01	0.0006		0.04	0.7	0.2	0.2	0.05	1	0.3	0.3	0.1	0.006	0.3	0.02	0.02	0.02	0.5	0.1	0.09	0.1
165-O1	Other -Not Specified	0.04	0.02	0.2	0.2	0.02	0.2	--	0.1	0.01	0.005	0.002	0.03	0.02	0.002	0.02	--	0.02	0.002		0.05	0.7	0.3	0.2	0.06	1	0.3	0.4	0.2	0.008	0.3	0.03	0.02	0.02	0.6	0.1	0.1	0.1
166-O1	Other -Not Specified	0.05	0.004	0.05	0.1	0.03	0.07	--	0.2	0.03	0.005	0.0004	0.006	0.01	0.003	0.008	--	0.02	0.003		0.05	0.7	0.06	0.1	0.07	1	0.3	0.4	0.2	0.008	0.3	0.009	0.01	0.02	0.5	0.1	0.1	0.1
167-O1	Other -Not Specified	0.02	0.004	0.06	0.08	0.009	0.08	--	0.1	0.01	0.002	0.0005	0.007	0.009	0.001	0.009	--	0.01	0.001		0.03	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
167-O2	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.07	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.008	--	0.02	0.001		0.03	0.7	0.06	0.07	0.05	1	0.3	0.4	0.1	0.005	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
167-O3	Other -Not Specified	0.03	0.004	0.07	0.08	0.03	0.1	--	0.2	0.02	0.003	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.002		0.04	0.7	0.07	0.08	0.06	1	0.3	0.4	0.2	0.006	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
167-O4	Other -Not Specified	0.02	0.004	0.06	0.08	0.02	0.08	--	0.2	0.01	0.003	0.0005	0.007	0.01	0.002	0.009	--	0.02	0.001		0.03	0.7	0.07	0.08	0.06	1	0.3	0.4	0.2	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
167-O5	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.08	--	0.2	0.01	0.003	0.0004	0.007	0.009	0.002	0.009	--	0.02	0.001		0.03	0.7	0.06	0.08	0.06	1	0.3	0.4	0.2	0.006	0.3	0.009	0.009	0.02	0.5	0.1	0.1	0.1
167-O6	Other -Not Specified	0.03	0.004	0.06	0.07	0.03	0.1	--	0.1	0.02	0.004	0.0004	0.006	0.009	0.003	0.01	--	0.02	0.002		0.04	0.7	0.06	0.07	0.07	1	0.3	0.4	0.2	0.006	0.3	0.009	0.009	0.02	0.5	0.1	0.1	0.1
167-O7	Other -Not Specified	0.06	0.004	0.06	0.08	0.05	0.1	--	0.2	0.03	0.007	0.0004	0.007	0.009	0.006	0.01	--	0.03	0.004		0.07	0.7	0.07	0.08	0.09	1	0.3	0.4	0.2	0.01	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
167-O8	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.08	--	0.1	0.01	0.002	0.0004	0.005	0.008	0.003	0.01	--	0.02	0.001		0.03	0.7	0.05	0.07	0.06	1	0.3	0.4	0.2	0.005	0.3	0.008	0.009	0.02	0.5	0.1	0.1	0.1
167-O9	Other -Not Specified	0.02	0.004	0.05	0.08	0.02	0.09	--	0.1	0.01	0.003	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.002		0.03	0.7	0.06	0.08	0.06	1	0.3	0.4	0.2	0.005	0.3	0.009	0.009	0.02	0.5	0.1	0.1	0.1
168-G1	Garden	0.01	0.006	0.06	0.07	0.006	0.09	--	0.08	0.008	0.001	0.0007	0.007	0.009	0.0007	0.01	--	0.01	0.0009		0.02	0.7	0.07	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
168-G2	Garden	0.01	0.007	0.07	0.08	0.007	0.1	--	0.1	0.006	0.001	0.0008	0.008	0.009	0.0008	0.01	--	0.01	0.0007		0.02	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
168-H1	House	0.009	0.005	0.06	0.08	0.004	0.07	--	0.08	0.004	0.001	0.0006	0.007	0.009	0.0005	0.009	--	0.009	0.0005		0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
168-N1	Animal Activity Area	0.01	0.007	0.06	0.06	0.007	0.09	--	0.07	0.007	0.002	0.0008	0.007	0.007	0.0008	0.01	--	0.008	0.0008		0.02	0.7	0.06	0.06	0.05	1	0.3	0.3	0.1	0.004	0.3	0.009	0.007	0.02	0.5	0.1	0.09	0.1
168-O1	Other -Not Specified	0.04	0.01	0.07	0.08	0.03	0.07	--	0.1	0.02	0.005	0.002	0.009	0.009	0.003	0.009	--	0.02	0.002		0.05	0.7	0.08	0.08	0.07	1	0.3	0.4	0.2	0.008	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
169A	Other -Not Specified	0.03	0.004	0.06	0.1	0.05	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.006	0.007	--	0.02	0.002		0.04	0.7	0.07	0.1	0.09	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
169-G2	Garden	0.01	0.004	0.06	0.08	0.008	0.07	--	0.08	0.006	0.002	0.0005	0.007	0.009	0.0009	0.008	--	0.009	0.0007		0.02	0.7	0.06	0.08	0.05	1	0.3	0.3	0.1	0.004	0.3	0.009	0.009	0.02	0.5	0.1	0.09	0.1
169-G3	Garden	0.02	0.006	0.08	0.1	0.01	0.1	--	0.1	0.006	0.002	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0008		0.03	0.7	0.09	0.1	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
169-G4	Garden	0.02	0.004	0.06	0.09	0.01	0.09	--	0.08	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008		0.02	0.7	0.07	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
169-H1	House	0.01	0.004	0.05	0.07	0.007	0.08	--	0.06	0.004	0.001	0.0004	0.005	0.008	0.0009	0.01	--	0.007	0.0005		0.02	0.7	0.05	0.07	0.05	1	0.3	0.3	0.1	0.004	0.3	0.008	0.008	0.02	0.5	0.1	0.09	0.1
170-G1	Garden	0.02	0.005	0.07	0.1	0.008	0.1	--	0.09	0.006	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0007		0.03	0.7	0.08	0.1	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
170-G2	Garden	0.02	0.005	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.01	0.002		0.03	0.7	0.08	0.09	0.06	1	0.3	0.3	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
170-H1	House	0.02	0.004	0.06	0.08	0.01	0.09	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0009		0.02	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
171-A1	Agriculture	0.04	0.01	0.2	0.1	0.02	0.2	--	0.2	0.02	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.003		0.04	0.7	0.2	0.1	0.06	1	0.3	0.4	0.2	0.007	0.3	0.02	0.02	0.02	0.5	0.1	0.1	0.1
171-G1	Garden	0.05	0.01	0.1	0.1	0.03	0.2	--	0.2	0.03	0.006	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003		0.06	0.7	0.1	0.1	0.07	1	0.3	0.4	0.2	0.009	0.3	0.02	0.02	0.02	0.6	0.1	0.1	0.1
171-H1	House	0.03	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.003	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.003		0.03	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
172U	Other -Not Specified	0.04	0.005	0.05	0.2	0.02	0.06	--	0.2	0.04	0.005	0.0006	0.006	0.02	0.003	0.007	--	0.02	0.004		0.05	0.7	0.06	0.2	0.06	1	0.3	0.4	0.2	0.008	0.3	0.008	0.02	0.02	0.5	0.1	0.1	0.1
173-G1	Garden	0.02	0.006	0.07	0.1	0.007	0.1	--	0.09	0.005	0.002	0.0008	0.008	0.01	0.0008	0.01	--	0.01	0.0006		0.02	0.7	0.08	0.1	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
173-G2	Garden	0.01	0.006	0.07	0.1	0.003	0.07	--	0.07	0.002	0.001	0.0007	0.008	0.01	0.0003	0.008	--	0.008	0.0002		0.02	0.7	0.07	0.1	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.01	0.5	0.1	0.09	0.1
173-G3	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0009	0.008	0.01	0.001	0.01	--	0.01	0.001		0.04	0.7	0.08	0.1	0.05	1	0.3	0.3	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
173-G4	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0009	0.008	0.01	0.002	0.01	--	0.01	0.001		0.04	0.7	0.08	0.1	0.05	1	0.3	0.3	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
173-G5	Garden	0.02	0.006	0.08	0.1	0.005	0.1	--	0.08	0.003	0.002	0.0007	0.01	0.01	0.0006	0.01	--	0.01	0.0003		0.03	0.7	0.09	0.1	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
173-H1	House	0.03	0.006	0.06	0.08	0.01	0.09	--	0.1	0.01	0.003	0.0007	0.007	0.009	0.002	0.01	--	0.01	0.002		0.04	0.7	0.07	0.08	0.05	1	0.3	0.3	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
173-P1	Play Area	0.03	0.006	0.07	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0007	0.008	0.01	0.002	0.01	--	0.02	0.002		0.04	0.7	0.08	0.09	0.06	1	0.3	0.4	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
174-A1	Agriculture	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.001		0.04	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.006	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
174-G1	Garden	0.03	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.03	--	0.02	0.001		0.04	0.7	0.1	0.09	0.05	1	0.3	0.4	0.1	0.007	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
174-H1	House	0.04	0.008	0.1	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002		0.04	0.7	0.1	0.08	0.07	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
174M	House	0.01	0.004	0.06	0.06	0.002	0.06	--	0.07	0.004	0.002	0.0005	0.007	0.007	0.0003	0.007	--	0.008	0.0005		0.02	0.7	0.07	0.06	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.008	0.01	0.5	0.1	0.09	0.1
175-G1	Garden	0.02	0.004	0.05	0.06	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.001		0.03	0.7	0.06	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.009	0.008	0.02	0.5	0.1	0.09	0.1
175-G2	Garden	0.01	0.004	0.05	0.06	0.005	0.06	--	0.07	0.003	0.001	0.0004	0.005	0.007	0.0006	0.007	--	0.008	0.0004		0.02	0.7	0.05	0.06	0.04	1	0.3	0.3	0.1	0.004	0.3	0.008	0.007	0.02	0.5	0.1	0.09	0.1
175-H1	House	0.01	0.003	0.04	0.06	0.01	0.08	--	0.09	0.008	0.002	0.0004	0.005	0.007	0.001	0.009	--	0.01	0.001		0.02	0.7	0.05	0.06	0.05	1	0.3	0.3	0.1	0.004	0.3	0.008	0.007	0.02	0.5	0.1	0.09	0.1
176-A1	Agriculture	0.02	0.005	0.07	0.07	0.009	0.09	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006		0.03	0.7	0.07	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
176G	Garden	0.05	0.005	0.06	0.06	0.02	0.1	--	0.1	0.01	0.006	0.0006	0.007	0.007	0.002	0.01	--	0.02	0.002		0.06	0.7	0.07	0.06	0.06	1	0.3	0.4	0.2	0.008	0.3	0.01	0.007	0.02	0.5	0.1	0.1	0.1
176-H1	House	0.02	0.004	0.06	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0007		0.02	0.7	0.06	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.009	0.009	0.02	0.5	0.1	0.09	0.1
176-H2	House	0.02	0.005	0.06	0.07	0.007	0.08	--	0.1	0.004	0.002	0.0006	0.008	0.009	0.0009	0.009	--	0.01	0.0005		0.02	0.7	0.07	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
176M	House	0.05	0.004	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0005	0.006	0.007	0.002	0.01	--	0.02	0.003		0.06	0.7	0.06	0.06	0.06	1	0.3	0.4	0.2	0.009	0.3	0.009	0.007	0.02	0.5	0.1	0.1	0.1

Table 5-24. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																					
176-P1	Play Area	0.02	0.004	0.05	0.08	0.006	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.009	0.0007	0.01	--	0.01	0.0006	0.02	0.7	0.06	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.009	0.009	0.02	0.5	0.1	0.09	0.1
178-H1	House	0.02	0.005	0.08	0.1	0.005	0.1	--	0.1	0.003	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0004	0.02	0.7	0.09	0.1	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
179-H1	House	0.03	0.006	0.07	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0008	0.008	0.01	0.001	0.02	--	0.01	0.001	0.04	0.7	0.08	0.09	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
180-H1	House	0.07	0.005	0.07	0.09	0.05	0.09	--	0.3	0.02	0.009	0.0005	0.008	0.01	0.005	0.01	--	0.03	0.002	0.08	0.7	0.07	0.09	0.09	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
180-H2[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.01	0.5	0.1	0.09	0.1
180-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.08	0.1	--	0.3	0.02	0.006	0.0005	0.008	0.01	0.009	0.01	--	0.04	0.003	0.06	0.7	0.07	0.09	0.1	1	0.3	0.5	0.2	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
181-A1	Agriculture	0.06	0.006	0.08	0.09	0.01	0.2	--	0.2	0.01	0.007	0.0008	0.009	0.01	0.002	0.02	--	0.02	0.001	0.06	0.7	0.09	0.09	0.05	1	0.3	0.4	0.1	0.009	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
181-G1	Garden	0.04	0.005	0.07	0.08	0.008	0.1	--	0.1	0.004	0.005	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0005	0.05	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
181-G2	Garden	0.06	0.007	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.7	0.1	0.09	0.05	1	0.3	0.4	0.1	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
181-H1	House	0.06	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.7	0.1	0.09	0.06	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
181-H2	House	0.07	0.007	0.1	0.1	0.02	0.2	--	0.2	0.01	0.009	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.08	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
181-N1	Animal Activity Area	0.08	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.009	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002	0.08	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
181-N2	Animal Activity Area	0.06	0.006	0.08	0.09	0.02	0.2	--	0.2	0.01	0.008	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.07	0.7	0.09	0.09	0.06	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
181-O1	Other -Not Specified	0.04	0.007	0.09	0.09	0.008	0.1	--	0.1	0.006	0.004	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0007	0.04	0.7	0.09	0.09	0.05	1	0.3	0.3	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
182-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.2	--	0.2	0.03	0.004	0.001	0.01	0.01	0.003	0.02	--	0.02	0.003	0.04	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.007	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
182-G2	Garden	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.03	0.008	0.001	0.02	0.01	0.003	0.03	--	0.03	0.003	0.08	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.01	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
182-H1	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.2	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.006	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
182-H2	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.006	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
182-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.03	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.006	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
182-O2	Other -Not Specified	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	0.001	0.01	0.01	0.003	0.03	--	0.02	0.003	0.08	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.01	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
182-O3	Other -Not Specified	0.03	0.01	0.09	0.08	0.02	0.2	--	0.2	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.003	0.04	0.7	0.1	0.09	0.06	1	0.3	0.4	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
184-H1	House	0.05	0.003	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0004	0.006	0.007	0.003	0.01	--	0.02	0.002	0.06	0.7	0.06	0.06	0.06	1	0.3	0.4	0.2	0.009	0.3	0.009	0.007	0.02	0.5	0.1	0.1	0.1
185-A1	Agriculture	0.02	0.009	0.08	0.08	0.01	0.08	--	0.1	0.008	0.003	0.001	0.009	0.009	0.002	0.009	--	0.02	0.0009	0.03	0.7	0.08	0.08	0.05	1	0.3	0.4	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
185G	Garden	0.05	0.008	0.1	0.1	0.007	0.1	--	0.2	0.004	0.006	0.0009	0.02	0.01	0.0008	0.02	--	0.02	0.0005	0.06	0.7	0.2	0.1	0.05	1	0.3	0.4	0.1	0.009	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
185-H1	House	0.02	0.008	0.07	0.09	0.01	0.09	--	0.1	0.008	0.003	0.0009	0.009	0.01	0.001	0.01	--	0.02	0.0009	0.03	0.7	0.08	0.09	0.05	1	0.3	0.4	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
186-O1	Other -Not Specified	0.05	0.004	0.06	0.1	0.03	0.07	--	0.2	0.03	0.006	0.0005	0.007	0.02	0.004	0.009	--	0.02	0.003	0.06	0.7	0.07	0.1	0.07	1	0.3	0.4	0.2	0.009	0.3	0.01	0.02	0.02	0.5	0.1	0.1	0.1
187-H1	House	0.02	0.004	0.07	0.08	0.02	0.1	--	0.1	0.01	0.002	0.0005	0.008	0.009	0.002	0.01	--	0.02	0.002	0.02	0.7	0.08	0.08	0.06	1	0.3	0.4	0.2	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
188-A1	Agriculture	0.02	0.008	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001	0.03	0.7	0.1	0.1	0.05	1	0.3	0.3	0.2	0.005	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
188-G1	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.01	0.002	0.04	0.7	0.1	0.1	0.06	1	0.3	0.3	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
188-G2	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
188-G3	Garden	0.02	0.006	0.09	0.09	0.01	0.2	--	0.1	0.008	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.01	0.001	0.03	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
188-H1	House	0.01	0.01	0.08	0.09	0.007	0.1	--	0.1	0.005	0.002	0.001	0.01	0.01	0.0008	0.02	--	0.01	0.0006	0.02	0.7	0.09	0.09	0.05	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
188-P1	Play Area	0.02	0.005	0.07	0.08	0.008	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008	0.02	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
189-G1	Garden	0.02	0.006	0.08	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.009	0.01	0.0009	0.01	--	0.01	0.0005	0.02	0.7	0.09	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
189-H1	House	0.02	0.005	0.07	0.08	0.008	0.09	--	0.1	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008	0.02	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
189-H2	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.001	0.03	0.7	0.08	0.09	0.05	1	0.3	0.4	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
189-O1	Other -Not Specified	0.04	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001	0.05	0.7	0.07	0.09	0.05	1	0.3	0.4	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
190-G1	Garden	0.009	0.004	0.07	0.08	0.004	0.08	--	0.1	0.002	0.001	0.0005	0.008	0.009	0.0005	0.01	--	0.01	0.0002	0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
190-H1	House	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.005	0.001	0.0005	0.007	0.008	0.0006	0.01	--	0.008	0.0005	0.02	0.7	0.07	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
190-N1	Animal Activity Area	0.01	0.005	0.07	0.09	0.005	0.1	--	0.08	0.003	0.001	0.0005	0.008	0.01	0.0005	0.01	--	0.009	0.0004	0.02	0.7	0.07	0.09	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
190-N2	Animal Activity Area	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003	0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
190-N3	Animal Activity Area	0.009	0.004	0.06	0.08	0.003	0.09	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003	0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
190-O1	Other -Not Specified	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009	0.02	0.7	0.09	0.09	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
191-H1	House	0.03	0.007	0.08	0.09	0.03	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.01	0.003	0.01	--	0.02	0.002	0.04	0.7	0.09	0.09	0.06	1	0.3	0.4	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
192-A1	Agriculture	0.03	0.01	0.08	0.09	0.02	0.09	--	0.1	0.008	0.003	0.001	0.01	0.01	0.002	0.01	--	0.02	0.0009	0.03	0.7	0.09	0.09	0.06	1	0.3	0.4	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
192-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.09	--	0.2	0.007	0.004	0.002	0.01	0.01	0.003	0.01	--	0.02	0.0008	0.04	0.7	0.1	0.1	0.06	1	0.3	0.4	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
192-H1	House	0.02	0.008	0.07	0.08	0.02	0.08	--	0.1	0.007	0.003	0.001	0.008	0.01	0.002	0.009	--	0.01	0.0008	0.03	0.7	0.08	0.09	0.06	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
193-G1	Garden	0.01	0.003	0.05	0.06	0.003	0.06	--	0.06	0.002	0.001	0.0004	0.006	0.007	0.0003	0.007	--	0.007	0.0002	0.02	0.7	0.05	0.06	0.04	1	0.3	0.3	0.1	0.004	0.3	0.008	0.007	0.01	0.5	0.1	0.09	0.1
193-H1	House	0.01	0.004	0.06	0.07	0.003	0.07	--	0.07	0.002	0.001	0.0005	0.007	0.008	0.0004	0.008	--	0.008	0.0003	0.02	0.7	0.07	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.008	0.01	0.5	0.1	0.09	0.1
194-H1	House	0.008	0.004	0.05	0.07	0.003	0.07	--	0.07	0.003	0.0009	0.0004	0.006	0.008	0.0004	0.008	--	0.009	0.0003	0.01	0.7	0.06	0.07	0.04	1	0.3	0.3	0.1	0.004	0.3	0.009	0.008	0.01	0.5	0.1	0.09	0.1
194-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.006	0.09	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0007	0.01	--	0.01	0.0005	0.02	0.7	0.07	0.07	0.05	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
195-G1	Garden	0.02	0.004	0.05	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.0008	0.03	0.7	0.06	0.07	0.05	1	0.3	0.3	0.1	0.006	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
195-G2	Garden	0.03	0.004	0.06	0.08	0.03	0.2	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.003	0.02	--	0.02	0.002	0.04	0.7	0.07	0.08	0.07	1	0.3	0.4	0.2	0.007	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
195-O1	Other -Not Specified	0.03	0.003	0.04	0.06	0.03	0.1	--	0.1	0.02	0.003	0.0003	0.005	0.007	0.003	0.01	--	0.01	0.002	0.03	0.7	0.05	0.06	0.07	1	0.3	0.3	0.2	0.006	0.3	0.008	0.007	0.02	0.5	0.1	0.1	0.1
196-A1	Agriculture	0.01	0.005	0.07	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0009	0.01	--	0.01	0.0007	0.02	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
196-A2	Agriculture	0.02	0.006	0.08	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0007	0.009	0.009	0.001	0.01	--	0.01	0.001	0.02	0.7	0.09	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
196-G1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.0008	0.02	0.7	0.08	0.08	0.05	1	0.3	0.4	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
196-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.09	0.008	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0009	0.02	0.7	0.07	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.008	0.02	0.5	0.1	0.09	0.1
197-H1	House	0.02	0.007	0.1	0.1	0.01	0.09	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.001	0.03	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
198-G1	Garden	0.03	0.005	0.07	0.08	0.01	0.2	--	0.1	0.008	0.004	0.0006	0.008	0.009	0.001	0.02	--	0.01	0.001	0.04	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.007	0.3	0.01	0.009	0.02	0.6	0.1	0.1	0.1
198-H1	House	0.03	0.008	0.1	0.1	0.02	0.2	--	0.2	0.01	0.004	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
199-G1	Garden	0.01	0.006	0.09	0.1	0.004	0.1	--	0.1	0.002	0.001	0.0007	0.01	0.01	0.0004	0.01	--	0.01	0.0002	0.02	0.7	0.09	0.1	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.02	0.02	0.5	0.1	0.09	0.1
199-O1	Other -Not Specified	0.01	0.006	0.08	0.1	0.005	0.09	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0005	0.01	--	0.01	0.0004	0.02	0.7	0.09	0.1	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
200-G1	Garden	0.04	0.007	0.1	0.1	0.007	0.2	--	0.1	0.005	0.004	0.0008	0.01	0.01	0.0008	0.03	--	0.01	0.0006	0.04	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.007	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
200-H1	House	0.03	0.006	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0007	0.01	0.01	0.0007	0.02	--	0.01	0.0004	0.04	0.7	0.1	0.1	0.04	1	0.3	0.3	0.1	0.006	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
200-O1	Other -Not Specified	0.04	0.01	0.1	0.1	0.007	0.2	--	0.1	0.004	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0004	0.05	0.7	0.2	0.1	0.05	1	0.3	0.4	0.1	0.008	0.3	0.02	0.02	0.02	0.6	0.1	0.1	0.1

Table 5-24. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Burbot

		Total HI Across COPCs by Pathway																		Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																				
201G[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.7	0.1	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.02	0.009	0.02	0.5	0.1	0.09	0.1
201-O1	Other -Not Specified	0.07	0.006	0.09	0.1	0.04	0.1	--	0.2	0.02	0.008	0.0007	0.01	0.01	0.005	0.01	--	0.02	0.003	0.08	0.7	0.1	0.1	0.08	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
202-H1	House	0.03	0.004	0.06	0.07	0.01	0.06	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.007	--	0.01	0.001	0.04	0.7	0.06	0.07	0.05	1	0.3	0.3	0.2	0.006	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
202-N1	Animal Activity Area	0.02	0.004	0.06	0.07	0.007	0.06	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0009	0.007	--	0.01	0.0006	0.02	0.7	0.06	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.009	0.008	0.02	0.5	0.1	0.09	0.1
202-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.07	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.0008	0.009	--	0.01	0.001	0.03	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
203-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.01	0.5	0.1	0.09	0.1
203-O1[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.01	0.5	0.1	0.09	0.1
203-O2	Other -Not Specified	0.1	0.004	0.07	0.09	0.07	0.2	--	0.3	0.03	0.02	0.0004	0.008	0.01	0.008	0.02	--	0.04	0.004	0.1	0.7	0.07	0.09	0.1	1	0.3	0.5	0.2	0.02	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
203-O3[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.01	0.5	0.1	0.09	0.1
203-O4[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.01	0.5	0.1	0.09	0.1
205-O1	Other -Not Specified	0.1	0.005	0.07	0.08	0.04	0.06	--	0.3	0.02	0.01	0.0006	0.008	0.01	0.004	0.007	--	0.04	0.003	0.1	0.7	0.08	0.08	0.07	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
206-A1	Agriculture	0.03	0.02	0.1	0.1	0.01	0.1	--	0.1	0.01	0.004	0.002	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.007	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
206-G1	Garden	0.02	0.007	0.07	0.08	0.007	0.1	--	0.09	0.006	0.002	0.0008	0.009	0.009	0.0008	0.01	--	0.01	0.0007	0.02	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
206-H1	House	0.009	0.005	0.06	0.08	0.003	0.08	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0003	0.009	--	0.008	0.0003	0.02	0.7	0.07	0.08	0.04	1	0.3	0.3	0.1	0.004	0.3	0.01	0.009	0.01	0.5	0.1	0.09	0.1
206-H2	House	0.03	0.04	0.2	0.1	0.03	0.2	--	0.2	0.03	0.004	0.005	0.02	0.01	0.003	0.02	--	0.02	0.003	0.04	0.7	0.2	0.1	0.07	1	0.3	0.4	0.2	0.007	0.3	0.03	0.01	0.02	0.5	0.1	0.1	0.1
206-O1	Other -Not Specified	0.06	0.008	0.1	0.1	0.03	0.2	--	0.3	0.02	0.007	0.0009	0.01	0.01	0.004	0.02	--	0.03	0.002	0.06	0.7	0.1	0.1	0.07	1	0.3	0.5	0.2	0.01	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
207-O1	Other -Not Specified	0.02	0.003	0.05	0.06	0.01	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.001	0.03	0.7	0.05	0.06	0.05	1	0.3	0.3	0.1	0.005	0.3	0.008	0.007	0.02	0.5	0.1	0.1	0.1
208AA	Animal Activity Area	0.04	0.005	0.07	0.07	0.02	0.09	--	0.1	0.01	0.005	0.0005	0.008	0.008	0.002	0.01	--	0.02	0.002	0.05	0.7	0.08	0.07	0.05	1	0.3	0.4	0.2	0.008	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
208BM	House	0.05	0.007	0.1	0.1	0.01	0.1	--	0.2	0.009	0.006	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001	0.06	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.009	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
208G	Garden	0.05	0.008	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.02	0.01	0.001	0.02	--	0.02	0.001	0.06	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.008	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
208-H1	House	0.07	0.004	0.07	0.07	0.03	0.2	--	0.2	0.02	0.009	0.0005	0.008	0.009	0.004	0.02	--	0.02	0.002	0.08	0.7	0.07	0.07	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
209A	Agriculture	0.04	0.006	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.7	0.1	0.09	0.05	1	0.3	0.4	0.2	0.008	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
209-G1	Garden	0.05	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.003	0.06	0.7	0.08	0.08	0.06	1	0.3	0.4	0.2	0.009	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
209-H1	House	0.09	0.005	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004	0.09	0.7	0.09	0.09	0.07	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
209-P1	Play Area	0.1	0.005	0.08	0.09	0.04	0.2	--	0.3	0.04	0.01	0.0006	0.01	0.01	0.005	0.02	--	0.03	0.005	0.1	0.7	0.09	0.09	0.08	1	0.3	0.5	0.2	0.02	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
210-H1	House	0.04	0.005	0.06	0.08	0.009	0.09	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001	0.04	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.007	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
210-O1	Other -Not Specified	0.04	0.004	0.05	0.07	0.01	0.09	--	0.1	0.01	0.004	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.001	0.04	0.7	0.05	0.07	0.05	1	0.3	0.3	0.1	0.007	0.3	0.008	0.008	0.02	0.5	0.1	0.1	0.1
211-A1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001	0.03	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
211-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.004	0.003	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0005	0.03	0.7	0.09	0.09	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
211-G2	Garden	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0006	0.04	0.7	0.09	0.09	0.05	1	0.3	0.3	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
211-H1	House	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.009	0.002	0.0006	0.009	0.009	0.0009	0.01	--	0.01	0.001	0.03	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
211-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.02	0.002	0.03	0.7	0.07	0.07	0.05	1	0.3	0.4	0.2	0.006	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
212-H1	House	0.03	0.005	0.08	0.2	0.03	0.08	--	0.2	0.02	0.003	0.0006	0.009	0.02	0.004	0.009	--	0.02	0.003	0.03	0.7	0.08	0.2	0.07	1	0.3	0.4	0.2	0.006	0.3	0.01	0.02	0.02	0.5	0.1	0.1	0.1
212-H2	House	0.03	0.004	0.06	0.1	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.002	0.007	--	0.01	0.002	0.04	0.7	0.07	0.1	0.05	1	0.3	0.3	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
213-O1	Other -Not Specified	0.04	0.009	0.1	0.1	0.006	0.2	--	0.1	0.004	0.005	0.001	0.01	0.01	0.0007	0.02	--	0.01	0.0004	0.05	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.007	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
213-O2	Other -Not Specified	0.05	0.007	0.1	0.09	0.01	0.2	--	0.2	0.006	0.006	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.06	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.009	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
213-O3	Other -Not Specified	0.04	0.007	0.1	0.1	0.008	0.1	--	0.1	0.004	0.004	0.0008	0.01	0.02	0.001	0.01	--	0.02	0.0005	0.04	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.007	0.3	0.02	0.02	0.02	0.5	0.1	0.1	0.1
21G	Garden	0.07	0.005	0.07	0.07	0.04	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.009	0.005	0.02	--	0.02	0.003	0.08	0.7	0.07	0.07	0.08	1	0.3	0.4	0.2	0.01	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
226C	House	0.07	0.004	0.05	0.06	0.04	0.08	--	0.3	0.02	0.008	0.0004	0.006	0.007	0.005	0.009	--	0.03	0.002	0.07	0.7	0.06	0.06	0.08	1	0.3	0.5	0.2	0.01	0.3	0.009	0.007	0.02	0.5	0.1	0.1	0.1
230G	Garden	0.02	0.005	0.07	0.07	0.008	0.07	--	0.1	0.004	0.003	0.0006	0.008	0.009	0.001	0.008	--	0.01	0.0005	0.03	0.7	0.08	0.07	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
231Lower	Other -Not Specified	0.05	0.005	0.07	0.08	0.01	0.09	--	0.2	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001	0.06	0.7	0.08	0.08	0.05	1	0.3	0.4	0.1	0.009	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
238G	Garden	0.02	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.008	0.0005	0.009	--	0.01	0.0005	0.03	0.7	0.07	0.07	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.008	0.02	0.5	0.1	0.09	0.1
238M	Other -Not Specified	0.02	0.005	0.07	0.07	0.003	0.07	--	0.09	0.003	0.002	0.0006	0.008	0.009	0.0004	0.008	--	0.01	0.0004	0.02	0.7	0.08	0.07	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.01	0.5	0.1	0.09	0.1
280yard	House	0.05	0.006	0.1	0.09	0.03	0.2	--	0.2	0.02	0.006	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.003	0.06	0.7	0.1	0.09	0.07	1	0.3	0.4	0.2	0.009	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
284M	House	0.03	0.005	0.08	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.001	0.04	0.7	0.09	0.08	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
285M	Other -Not Specified	0.04	0.005	0.09	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.01	0.009	0.002	0.01	--	0.02	0.001	0.05	0.7	0.1	0.08	0.05	1	0.3	0.4	0.2	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
288G1	Garden	0.03	0.006	0.08	0.08	0.008	0.08	--	0.1	0.006	0.003	0.0007	0.009	0.009	0.0009	0.009	--	0.01	0.0007	0.03	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
288G2	Garden	0.02	0.007	0.08	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0008	0.009	0.01	0.0008	0.009	--	0.01	0.0005	0.03	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
289G3	Garden	0.02	0.005	0.07	0.07	0.007	0.07	--	0.1	0.006	0.003	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0007	0.03	0.7	0.07	0.07	0.05	1	0.3	0.3	0.1	0.005	0.3	0.01	0.008	0.02	0.5	0.1	0.09	0.1
317M	Play Area	0.1	0.006	0.1	0.1	0.04	0.1	--	0.4	0.05	0.02	0.0008	0.01	0.01	0.005	0.01	--	0.04	0.005	0.2	0.7	0.1	0.1	0.08	1	0.3	0.6	0.2	0.02	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
319M[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.7	0.1	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.02	0.009	0.02	0.5	0.1	0.09	0.1
320new	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.03	0.01	0.0008	0.01	0.01	0.004	0.01	--	0.03	0.003	0.1	0.7	0.1	0.1	0.08	1	0.3	0.5	0.2	0.01	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
35PA[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.7	0.1	0.08	0.04	1	0.3	0.3	0.1	0.005	0.3	0.02	0.009	0.02	0.5	0.1	0.09	0.1
59A	House	0.09	0.004	0.05	0.06	0.04	0.1	--	0.2	0.03	0.01	0.0004	0.006	0.007	0.004	0.01	--	0.02	0.003	0.1	0.7	0.06	0.06	0.08	1	0.3	0.4	0.2	0.01	0.3	0.009	0.007	0.02	0.5	0.1	0.1	0.1
62G	Garden	0.04	0.006	0.09	0.1	0.007	0.1	--	0.1	0.006	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.04	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
72M	Agriculture	0.07	0.008	0.09	0.09	0.03	0.1	--	0.2	0.02	0.008	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002	0.08	0.7	0.1	0.09	0.06	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
72U	Other -Not Specified	0.05	0.01	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.009	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
94M	Agriculture	0.03	0.006	0.1	0.1	0.008	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.01	0.0009	0.01	--	0.02	0.0007	0.04	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
999G1	Garden	0.04	0.008	0.09	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.0009	0.05	0.7	0.1	0.08	0.05	1	0.3	0.3	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
999M1	House	0.03	0.007	0.1	0.1	0.008	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.01	0.0009	0.02	--	0.01	0.0008	0.04	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.006	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
999M2	Garden	0.03	0.009	0.1	0.1	0.005	0.1	--	0.1	0.004	0.003	0.001	0.02	0.01	0.0006	0.02	--	0.01	0.0005	0.03	0.7	0.1	0.1	0.04	1	0.3	0.3	0.1	0.006	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
999M3	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.06	0.7	0.2	0.2	0.06	1	0.3	0.5	0.2	0.009	0.3	0.03	0.02	0.02	0.6	0.1	0.1	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-25. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
Indoor Air		--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																			
Outdoor Air		--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02		**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exeed benchmark[c] when risk is summed across pathways:**								
Fish (Kokanee)		0.03	0.2	0.03	0.004	0.02	0.2	0.2	0.8	--	0.01	0.07	0.01	0.002	0.009	0.08	0.08	0.3	--																			
Residential Soil/Dust[a]		**Number of DUs that exceed benchmark[c] for Soil/Dust:**									**Number of DUs that exceed benchmark[c] for Soil/Dust:**																													
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
9	Agriculture	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009	0.07	0.2	0.1	0.08	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
13	Other -Not Specified	0.05	0.005	0.09	0.09	0.01	0.2	--	0.1	0.008	0.006	0.0006	0.01	0.01	0.001	0.02	--	0.02	0.0009	0.08	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
14	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.008	0.005	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0009	0.07	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
15	House	0.04	0.005	0.08	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0006	0.009	0.009	0.001	0.01	--	0.02	0.001	0.07	0.2	0.1	0.08	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
16	Other -Not Specified	0.08	0.005	0.1	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.2	0.1	0.09	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
17	Other -Not Specified	0.04	0.007	0.09	0.09	0.02	0.1	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002	0.07	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
18[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
20[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
21	House	0.03	0.006	0.08	0.08	0.01	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.009	0.001	0.01	--	0.01	0.0008	0.06	0.2	0.1	0.08	0.04	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
22	House	0.07	0.005	0.08	0.08	0.01	0.1	--	0.2	0.01	0.008	0.0005	0.009	0.009	0.002	0.01	--	0.02	0.001	0.1	0.2	0.1	0.08	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
25	House	0.03	0.005	0.09	0.09	0.007	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.0009	0.01	--	0.01	0.0005	0.06	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
27	Other -Not Specified	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
28	Garden	0.02	0.006	0.08	0.08	0.004	0.1	--	0.08	0.003	0.002	0.0006	0.01	0.009	0.0005	0.01	--	0.01	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
29	Other -Not Specified	0.02	0.005	0.08	0.08	0.007	0.09	--	0.09	0.004	0.003	0.0006	0.009	0.009	0.0008	0.01	--	0.01	0.0004	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
30	Other -Not Specified	0.04	0.007	0.1	0.09	0.007	0.1	--	0.1	0.004	0.005	0.0008	0.01	0.01	0.0008	0.02	--	0.01	0.0005	0.07	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
31	Other -Not Specified	0.06	0.006	0.1	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002	0.09	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
33	House	0.05	0.005	0.07	0.07	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.009	0.003	0.02	--	0.02	0.002	0.08	0.2	0.1	0.08	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
35[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
39[b]	Agriculture	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
40[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
42	House	0.02	0.004	0.05	0.07	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.001	0.05	0.2	0.08	0.07	0.04	0.6	0.2	0.9	0.2	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
44	Agriculture	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.06	0.2	0.08	0.07	0.04	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
46	Other -Not Specified	0.04	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.002	0.07	0.2	0.09	0.07	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
47	Agriculture	0.03	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0005	0.008	0.01	0.003	0.01	--	0.02	0.002	0.06	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
49[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
55	House	0.02	0.006	0.08	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0007	0.009	0.01	0.0007	0.01	--	0.01	0.0007	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
56	Other -Not Specified	0.04	0.006	0.1	0.1	0.02	0.1	--	0.2	0.02	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002	0.07	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
58	Agriculture	0.02	0.006	0.08	0.08	0.009	0.1	--	0.1	0.006	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0007	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
59	House	0.04	0.003	0.04	0.05	0.03	0.09	--	0.1	0.02	0.005	0.0003	0.005	0.006	0.003	0.01	--	0.02	0.002	0.07	0.2	0.07	0.05	0.05	0.6	0.2	1	0.2	0.02	0.07	0.01	0.007	0.01	0.4	0.08	0.3	0.1
60	Garden	0.03	0.005	0.06	0.07	0.008	0.1	--	0.1	0.005	0.003	0.0006	0.007	0.008	0.0009	0.01	--	0.01	0.0006	0.06	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
61	House	0.04	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.005	0.0004	0.006	0.008	0.002	0.01	--	0.02	0.001	0.07	0.2	0.08	0.07	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
62	House	0.04	0.006	0.09	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.07	0.2	0.1	0.1	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
66	Other -Not Specified	0.05	0.005	0.07	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.001	0.08	0.2	0.1	0.08	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
67	Garden	0.05	0.005	0.08	0.08	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002	0.08	0.2	0.1	0.09	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
70	House	0.06	0.008	0.09	0.09	0.02	0.1	--	0.2	0.02	0.007	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.002	0.09	0.2	0.1	0.1	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
71	Garden	0.06	0.009	0.1	0.09	0.02	0.1	--	0.1	0.01	0.007	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.09	0.2	0.1	0.1	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
72	Garden	0.06	0.01	0.1	0.1	0.02	0.1	--	0.2	0.02	0.007	0.001	0.02	0.01	0.003	0.01	--	0.02	0.003	0.09	0.2	0.2	0.1	0.05	0.6	0.2	1	0.2	0.02	0.07	0.03	0.01	0.01	0.4	0.08	0.3	0.1
75	House	0.06	0.005	0.08	0.08	0.06	0.2	--	0.2	0.04	0.007	0.0005	0.01	0.01	0.007	0.02	--	0.03	0.004	0.09	0.2	0.1	0.09	0.09	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.02	0.4	0.08	0.3	0.1
82	House	0.03	0.006	0.1	0.1	0.007	0.1	--	0.1	0.005	0.004	0.0007	0.01	0.01	0.0008	0.02	--	0.01	0.0006	0.06	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.02	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
85	House	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.004	0.002	0.0006	0.008	0.008	0.0005	0.008	--	0.01	0.0005	0.05	0.2	0.1	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.3	0.08	0.3	0.1
86	Agriculture	0.03	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001	0.06	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
87	Agriculture	0.02	0.005	0.07	0.07	0.009	0.08	--	0.1	0.008	0.003	0.0005	0.008	0.008	0.001	0.009	--	0.01	0.001	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
106	House	0.1	0.005	0.06	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0005	0.007	0.009	0.004	0.02	--	0.03	0.002	0.1	0.2	0.09	0.08	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
107	Garden	0.07	0.006	0.08	0.09	0.03	0.2	--	0.2	0.01	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.02	0.002	0.1	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
108	Garden	0.09	0.008	0.07	0.08	0.02	0.1	--	0.2	0.01	0.01	0.0009	0.009	0.01	0.002	0.02	--	0.02	0.002	0.1	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
109[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
110	House	0.03	0.004	0.05	0.06	0.008	0.1	--	0.1	0.007	0.004	0.0005	0.006	0.007	0.001	0.01	--	0.01	0.0008	0.06	0.2	0.08	0.06	0.03	0.6	0.2	0.9	0.1	0.02	0.07	0.02	0.008	0.01	0.4	0.08	0.3	0.1
111	Other -Not Specified	0.03	0.004	0.06	0.06	0.008	0.1	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.001	0.01	--	0.01	0.0007	0.06	0.2	0.08	0.06	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.008	0.01	0.4	0.08	0.3	0.1
112	House	0.1	0.005	0.08	0.07	0.04	0.2	--	0.3	0.04	0.02	0.0006	0.009	0.009	0.005	0.02	--	0.03	0.004	0.2	0.2	0.1	0.08	0.07	0.6	0.2	1	0.2	0.03	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
121	House	0.04	0.008	0.2	0.1	0.01	0.2	--	0.2	0.02	0.005	0.001	0.02	0.01	0.001	0.03	--	0.02	0.002	0.07	0.2	0.2	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
122	Other -Not Specified	0.06	0.008	0.1	0.1	0.009	0.2	--	0.2	0.007	0.007	0.001	0.02	0.01	0.001	0.02	--	0.02	0.0008	0.09	0.2	0.2	0.1	0.03	0.7	0.2	1	0.1	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
123	House	0.06	0.005	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.0006	0.01	0.009	0.004	0.02	--	0.03	0.003	0.09	0.2	0.1	0.08	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
135	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.001	0.06	0.2	0.09	0.07	0.03	0.5	0.2	1	0.1	0.01	0.07	0.02	0.009	0.01	0.3	0.08	0.3	0.1
146	House	0.04	0.005	0.08	0.09	0.006	0.1	--	0.1	0.008	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.02	0.0009	0.07	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
147	Garden	0.02	0.005	0.06	0.07	0.005	0.09	--	0.09	0.004	0.003	0.0006	0.007	0.008	0.0005	0.01	--	0.01	0.0004	0.05	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
151[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
152	Other -Not Specified	0.04	0.007	0.1	0.09	0.01	0.1	--	0.2	0.02	0.005	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002	0.07	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
154	House	0.02	0.003	0.04	0.05	0.005	0.06	--	0.06	0.005	0.002	0.0004	0.005	0.006	0.0006	0.007	--	0.007	0.0006	0.05	0.2	0.07	0.06	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.01	0.008	0.009	0.3	0.08	0.3	0.1
160	House	0.05	0.006	0.08	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.009	0.001	0.02	--	0.02	0.001	0.08	0.2	0.1	0.08	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
163	House	0.06	0.005	0.07	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001	0.09	0.2	0.1	0.08	0.03	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1

Table 5-25. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
164	Agriculture	0.05	0.006	0.09	0.09	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.08	0.2	0.1	0.1	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
167	Agriculture	0.03	0.004	0.06	0.06	0.005	0.08	--	0.1	0.006	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0007	0.06	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.009	0.4	0.08	0.3	0.1
168	House	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.1	0.2	0.1	0.09	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
169	Other -Not Specified	0.06	0.006	0.08	0.08	0.03	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.009	0.004	0.02	--	0.02	0.002	0.09	0.2	0.1	0.08	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
170[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.04	0.2	0.09	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
175	Other -Not Specified	0.05	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.08	0.2	0.09	0.07	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
177	Agriculture	0.07	0.004	0.05	0.06	0.01	0.1	--	0.2	0.01	0.008	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002	0.1	0.2	0.08	0.07	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
185	House	0.07	0.007	0.1	0.1	0.02	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002	0.1	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
186	House	0.05	0.005	0.08	0.07	0.02	0.09	--	0.2	0.02	0.006	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.002	0.08	0.2	0.1	0.07	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
189	House	0.07	0.007	0.09	0.09	0.01	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.09	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
192	House	0.05	0.009	0.1	0.1	0.02	0.1	--	0.2	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002	0.08	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
193	House	0.05	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.005	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.001	0.08	0.2	0.09	0.08	0.05	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
194[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
196[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
201	House	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009	0.07	0.2	0.1	0.08	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
203[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
206	House	0.04	0.005	0.08	0.07	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.001	0.07	0.2	0.1	0.08	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
208	Other -Not Specified	0.05	0.006	0.1	0.09	0.04	0.1	--	0.2	0.01	0.006	0.0007	0.01	0.01	0.005	0.02	--	0.02	0.002	0.08	0.2	0.1	0.1	0.07	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
213	Other -Not Specified	0.09	0.005	0.07	0.07	0.04	0.1	--	0.2	0.03	0.01	0.0006	0.008	0.009	0.004	0.02	--	0.03	0.003	0.1	0.2	0.1	0.08	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
216	House	0.07	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	0.0004	0.008	0.009	0.004	0.02	--	0.02	0.002	0.1	0.2	0.09	0.08	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
218[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
229	Play Area	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.003	0.002	0.0005	0.008	0.008	0.0005	0.008	--	0.01	0.0003	0.05	0.2	0.09	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.3	0.08	0.3	0.1
231	House	0.06	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.001	0.09	0.2	0.09	0.08	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
246	Play Area	0.01	0.005	0.06	0.06	0.004	0.06	--	0.07	0.003	0.002	0.0005	0.007	0.007	0.0004	0.006	--	0.008	0.0004	0.04	0.2	0.08	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.009	0.3	0.08	0.3	0.1
249	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.09	--	0.1	0.006	0.004	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.0007	0.06	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
250	House	0.05	0.004	0.06	0.06	0.01	0.1	--	0.1	0.008	0.005	0.0004	0.007	0.007	0.002	0.01	--	0.01	0.0009	0.08	0.2	0.08	0.07	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
253	House	0.03	0.004	0.06	0.07	0.008	0.07	--	0.1	0.009	0.003	0.0005	0.007	0.008	0.001	0.008	--	0.01	0.001	0.06	0.2	0.09	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
280	Other -Not Specified	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.003	0.1	0.2	0.1	0.09	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
287	Agriculture	0.03	0.004	0.08	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0005	0.009	0.009	0.003	0.02	--	0.02	0.002	0.06	0.2	0.1	0.08	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
288	House	0.02	0.005	0.07	0.07	0.006	0.07	--	0.09	0.006	0.002	0.0006	0.008	0.008	0.0007	0.008	--	0.01	0.0007	0.05	0.2	0.09	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.009	0.3	0.08	0.3	0.1
291	Agriculture	0.02	0.004	0.05	0.06	0.007	0.06	--	0.1	0.006	0.002	0.0005	0.006	0.007	0.0009	0.007	--	0.01	0.0007	0.05	0.2	0.08	0.06	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.01	0.3	0.08	0.3	0.1
306	Other -Not Specified	0.03	0.004	0.06	0.06	0.007	0.07	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.0009	0.008	--	0.01	0.0007	0.06	0.2	0.09	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.01	0.3	0.08	0.3	0.1
315	House	0.02	0.007	0.08	0.08	0.004	0.09	--	0.1	0.003	0.003	0.0008	0.01	0.01	0.0005	0.01	--	0.01	0.0003	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
316	Other -Not Specified	0.03	0.006	0.09	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.002	0.02	--	0.01	0.001	0.06	0.2	0.1	0.09	0.04	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
317	House	0.08	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.009	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.002	0.1	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
318	Other -Not Specified	0.1	0.006	0.1	0.09	0.03	0.1	--	0.3	0.04	0.01	0.0007	0.01	0.01	0.004	0.01	--	0.03	0.005	0.1	0.2	0.1	0.1	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
319	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.05	0.01	0.0008	0.01	0.01	0.005	0.02	--	0.04	0.006	0.1	0.2	0.1	0.1	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
325	Garden	0.03	0.005	0.07	0.07	0.005	0.08	--	0.09	0.003	0.003	0.0006	0.008	0.008	0.0006	0.01	--	0.01	0.0004	0.06	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
326	Other -Not Specified	0.02	0.005	0.06	0.07	0.006	0.06	--	0.1	0.005	0.002	0.0005	0.007	0.008	0.0007	0.007	--	0.01	0.0006	0.05	0.2	0.09	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.3	0.08	0.3	0.1
327	Other -Not Specified	0.02	0.004	0.05	0.06	0.005	0.05	--	0.09	0.004	0.002	0.0005	0.006	0.008	0.0005	0.006	--	0.01	0.0004	0.05	0.2	0.08	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.009	0.3	0.08	0.3	0.1
345	Play Area	0.03	0.006	0.1	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001	0.06	0.2	0.1	0.1	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
346	Garden	0.05	0.007	0.1	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002	0.08	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
347	Other -Not Specified	0.05	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.006	0.0005	0.009	0.008	0.003	0.01	--	0.02	0.003	0.08	0.2	0.1	0.07	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
801	Other -Not Specified	0.06	0.003	0.05	0.09	0.03	0.05	--	0.2	0.02	0.007	0.0004	0.005	0.01	0.003	0.006	--	0.02	0.002	0.09	0.2	0.07	0.09	0.05	0.5	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.3	0.08	0.3	0.1
1001	Other -Not Specified	0.08	0.004	0.05	0.1	0.04	0.05	--	0.2	0.03	0.009	0.0004	0.006	0.01	0.004	0.006	--	0.03	0.003	0.1	0.2	0.08	0.1	0.06	0.5	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.3	0.08	0.3	0.1
1005	Garden	0.04	0.006	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0008	0.009	0.01	0.002	0.01	--	0.02	0.001	0.07	0.2	0.1	0.09	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
1006	House	0.03	0.008	0.08	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.0009	0.06	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
1007	Garden	0.02	0.009	0.08	0.08	0.007	0.1	--	0.1	0.005	0.003	0.001	0.009	0.01	0.0008	0.01	--	0.01	0.0006	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
1008	Agriculture	0.02	0.009	0.06	0.07	0.01	0.08	--	0.1	0.01	0.003	0.001	0.007	0.008	0.001	0.01	--	0.01	0.001	0.05	0.2	0.09	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
1010	Agriculture	0.03	0.008	0.06	0.07	0.02	0.09	--	0.1	0.01	0.004	0.0009	0.007	0.008	0.002	0.01	--	0.01	0.001	0.06	0.2	0.09	0.07	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
1011	Agriculture	0.04	0.005	0.04	0.05	0.02	0.06	--	0.1	0.01	0.005	0.0005	0.005	0.005	0.002	0.007	--	0.01	0.002	0.07	0.2	0.07	0.05	0.04	0.5	0.2	0.9	0.2	0.02	0.07	0.01	0.007	0.01	0.3	0.08	0.3	0.1
1015	Garden	0.02	0.005	0.08	0.09	0.006	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0005	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
1017	Garden	0.03	0.003	0.05	0.07	0.01	0.09	--	0.1	0.008	0.003	0.0004	0.006	0.008	0.001	0.01	--	0.01	0.001	0.06	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
1018	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.08	0.004	0.002	0.0004	0.007	0.009	0.0008	0.01	--	0.01	0.0005	0.05	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
1020	Garden	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.001	0.06	0.2	0.09	0.09	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
1021[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
1030[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.04	0.2	0.09	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
1035	Garden	0.05	0.009	0.1	0.09	0.01	0.2	--	0.2	0.01	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.08	0.2	0.1	0.1	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
1036	Play Area	0.03	0.006	0.09	0.09	0.009	0.1	--	0.1	0.007	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.0008	0.06	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
1037	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.2	0.1	0.09	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
1060	House	0.03	0.005	0.07	0.07	0.01	0.09	--	0.1	0.01	0.003	0.0005	0.008	0.008	0.001	0.01	--	0.01	0.001	0.06	0.2	0.1	0.07	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
3000	House	0.01	0.005	0.06	0.07	0.003	0.06	--	0.08	0.002	0.002	0.0005	0.007	0.009	0.0004	0.007	--	0.009	0.0003	0.04	0.2	0.09	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.3	0.08	0.3	0.1
3001	Garden	0.08	0.01	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.001	0.02	0.02	0.004	0.02	--	0.03	0.002	0.1	0.2	0.2	0.1	0.05	0.6	0.2	1	0.2	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
3003	Other -Not Specified	0.1	0.007	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.0009	0.01	0.01	0.003	0.01	--	0.03	0.003	0.1	0.2	0.1	0.1	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
3004	House	0.03	0.005	0.07	0.07	0.01	0.1	--	0.1	0.006	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0007	0.06	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
075-A1	Agriculture	0.02	0.006	0.08	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0007	0.009	0.01	0.001	0.01	--	0.01	0.001	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1

Table 5-25. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	
		Child									Adult										Child									Adult								
DU	DU Type																																					
075-H1	House	0.03	0.005	0.07	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.002	0.02	--	0.02	0.002		0.06	0.2	0.1	0.08	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
075-O1	Other -Not Specified	0.03	0.005	0.06	0.2	0.02	0.08	--	0.2	0.02	0.004	0.0006	0.008	0.02	0.003	0.01	--	0.02	0.003		0.06	0.2	0.09	0.2	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
076-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.06	0.2	0.1	0.1	0.04	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
076-G2	Garden	0.05	0.007	0.09	0.1	0.02	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.08	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
076-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.001	0.03	--	0.02	0.002		0.06	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
076-H2	House	0.04	0.006	0.09	0.09	0.01	0.2	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.07	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
076-N1	Animal Activity Area	0.04	0.007	0.1	0.1	0.03	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.001		0.07	0.2	0.1	0.1	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
077-A1	Agriculture	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.006	0.008	0.0004	0.009	--	0.008	0.0003		0.04	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
077-A2	Agriculture	0.009	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.009	--	0.008	0.0004		0.04	0.2	0.07	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.009	0.4	0.08	0.3	0.1
077-G1	Garden	0.01	0.004	0.06	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003		0.04	0.2	0.08	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
077-H1	House	0.01	0.004	0.05	0.06	0.004	0.07	--	0.07	0.003	0.001	0.0004	0.006	0.007	0.0004	0.008	--	0.008	0.0004		0.04	0.2	0.07	0.06	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.009	0.3	0.08	0.3	0.1
077-H2	House	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0005	0.009	--	0.008	0.0004		0.04	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
077-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.008	0.0005	0.009	--	0.009	0.0004		0.04	0.2	0.08	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
078-G1	Garden	0.01	0.004	0.05	0.07	0.003	0.09	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0004	0.01	--	0.008	0.0005		0.04	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
078-H1	House	0.007	0.003	0.04	0.06	0.002	0.06	--	0.06	0.003	0.0009	0.0004	0.005	0.007	0.0002	0.007	--	0.006	0.0003		0.04	0.2	0.07	0.06	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.008	0.009	0.3	0.08	0.3	0.1
078-N1	Animal Activity Area	0.01	0.004	0.05	0.06	0.003	0.07	--	0.06	0.003	0.001	0.0005	0.006	0.007	0.0003	0.008	--	0.007	0.0003		0.04	0.2	0.08	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.009	0.4	0.08	0.3	0.1
078-O1	Other -Not Specified	0.009	0.004	0.06	0.07	0.002	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0003	0.01	--	0.008	0.0004		0.04	0.2	0.08	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
079-H1	House	0.03	0.005	0.06	0.09	0.009	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.001		0.06	0.2	0.09	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
079-H2	House	0.04	0.007	0.07	0.08	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.008	0.009	0.002	0.02	--	0.02	0.001		0.07	0.2	0.1	0.08	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
080-H1	House	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.004	0.004	0.001	0.02	0.01	0.0005	0.02	--	0.02	0.0004		0.06	0.2	0.2	0.1	0.03	0.6	0.2	1	0.1	0.01	0.07	0.03	0.01	0.009	0.4	0.08	0.3	0.1
081-A1	Agriculture	0.02	0.005	0.08	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0006		0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
081-H1	House	0.02	0.007	0.1	0.1	0.006	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.0007	0.01	--	0.01	0.001		0.05	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
081-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.02	0.003	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002		0.06	0.2	0.2	0.1	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
082-G1	Garden	0.01	0.004	0.06	0.07	0.003	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.008	0.0004	0.01	--	0.009	0.0003		0.04	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
082-G2	Garden	0.02	0.004	0.06	0.07	0.005	0.1	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006		0.05	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
082-H1	House	0.01	0.004	0.05	0.07	0.004	0.09	--	0.08	0.004	0.001	0.0004	0.006	0.008	0.0004	0.01	--	0.009	0.0005		0.04	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.009	0.4	0.08	0.3	0.1
082-N1	Animal Activity Area	0.01	0.004	0.05	0.07	0.004	0.1	--	0.08	0.004	0.002	0.0005	0.006	0.008	0.0005	0.01	--	0.009	0.0005		0.04	0.2	0.08	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
082-N2	Animal Activity Area	0.02	0.004	0.06	0.07	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006		0.05	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
083-G1	Garden	0.02	0.005	0.08	0.09	0.005	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0006		0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
083-G2	Garden	0.02	0.005	0.07	0.08	0.005	0.1	--	0.09	0.004	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0005		0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
083-H1	House	0.02	0.005	0.07	0.08	0.006	0.09	--	0.09	0.007	0.002	0.0006	0.009	0.009	0.0007	0.01	--	0.01	0.0008		0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
084-H1	House	0.01	0.005	0.07	0.09	0.005	0.1	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0004		0.04	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
085-H1	House	0.02	0.004	0.06	0.07	0.008	0.1	--	0.09	0.007	0.002	0.0005	0.007	0.008	0.0009	0.01	--	0.01	0.0008		0.05	0.2	0.09	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
085-O1	Other -Not Specified	0.03	0.006	0.1	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.009	0.002	0.02	--	0.01	0.001		0.06	0.2	0.1	0.08	0.04	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
085-P1	Play Area	0.05	0.008	0.09	0.09	0.02	0.2	--	0.2	0.02	0.006	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002		0.08	0.2	0.1	0.09	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
086-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.009	0.001	0.02	--	0.01	0.0009		0.05	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
086-H1	House	0.02	0.003	0.06	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.01	0.001	0.02	--	0.01	0.0008		0.05	0.2	0.08	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
086-H2	House	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001		0.06	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
087-H1	House	0.02	0.003	0.06	0.07	0.008	0.1	--	0.09	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007		0.05	0.2	0.08	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
087-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001		0.06	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
088-H1	House	0.06	0.005	0.08	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.003		0.09	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
088-H2	House	0.04	0.004	0.06	0.07	0.01	0.1	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.002	0.01	--	0.02	0.002		0.07	0.2	0.09	0.08	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
088-O1	Other -Not Specified	0.05	0.004	0.07	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002		0.08	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
089-A1	Agriculture	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.008	0.004	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.0009		0.06	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
089-H1	House	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.001		0.06	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
089-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0008		0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
090-H1	House	0.01	0.005	0.06	0.08	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.007	0.009	0.001	0.01	--	0.01	0.0009		0.04	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
090-O2	Other -Not Specified	0.01	0.007	0.09	0.1	0.01	0.2	--	0.1	0.007	0.002	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0008		0.04	0.2	0.1	0.1	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
091-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.1	--	0.1	0.009	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.001		0.06	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
091-H1	House	0.03	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0008		0.06	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
092-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.07	--	0.1	0.02	0.002	0.0005	0.006	0.007	0.002	0.009	--	0.02	0.002		0.05	0.2	0.08	0.07	0.04	0.5	0.2	1	0.2	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
092-O2	Other -Not Specified	0.02	0.004	0.05	0.06	0.01	0.08	--	0.1	0.01	0.003	0.0005	0.006	0.007	0.002	0.009	--	0.01	0.001		0.05	0.2	0.07	0.06	0.04	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.008	0.01	0.4	0.08	0.3	0.1
093-H1	House	0.03	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.003	0.0004	0.007	0.009	0.001	0.01	--	0.01	0.0007		0.06	0.2	0.08	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
094-H1	House	0.03	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.02	--	0.01	0.0009		0.06	0.2	0.09	0.08	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
094-P1	Play Area	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001		0.06	0.2	0.1	0.1	0.04	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
095-A1	Agriculture	0.04	0.004	0.06	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0004	0.007	0.01	0.003	0.02	--	0.02	0.002		0.07	0.2	0.09	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
095-H1	House	0.04	0.005	0.07	0.1	0.02	0.2	--	0.2	0.01	0.005	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002		0.07	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
095-O1	Other -Not Specified	0.04	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002		0.07	0.2	0.09	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
095-O2	Other -Not Specified	0.05	0.005	0.07	0.1	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.002		0.08	0.2	0.09	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
096-H1	House	0.04	0.006	0.08	0.09	0.02	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002		0.07	0.2	0.1	0.1	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
096-O1	Other -Not Specified	0.07	0.006	0.08	0.1	0.02	0.2	--	0.2	0.03	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003		0.1	0.2	0.1	0.1	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
097-H1	House	0.02	0.005	0.07	0.09	0.01	0.09	--	0.2	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001		0.05	0.2	0.09	0.1	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
097-H2	House	0.02	0.005	0.06	0.08	0.008	0.07	--	0.2	0.01	0.002	0.0006	0.008	0.01	0.0009	0.009	--	0.02	0.001		0.05	0.2	0.09	0.09	0.03	0.5	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
098-G1	Garden	0.01	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.01	--	0.009	0.0003		0.04	0.2	0.09	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
098-H1	House	0.008	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.009	--	0.009	0.0004		0.04	0.2	0.08	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
098-O1	Other -Not Specified	0.008	0.004	0.06	0.09	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.007	0.01	0.0004	0.009	--	0.009	0.0003		0.04	0.2	0.09	0.09	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
099-A1	Agriculture	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009		0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1

Table 5-25. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																		Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																				
099-G2	Garden	0.02	0.004	0.05	0.07	0.009	0.1	--	0.09	0.007	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.0008	0.05	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
099-H1	House	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.007	0.002	0.01	--	0.01	0.002	0.05	0.2	0.08	0.06	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.008	0.01	0.4	0.08	0.3	0.1
099-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002	0.05	0.2	0.08	0.06	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
100-G1	Garden	0.02	0.005	0.08	0.1	0.006	0.1	--	0.1	0.006	0.002	0.0006	0.01	0.01	0.0007	0.01	--	0.02	0.0007	0.05	0.2	0.1	0.1	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
100-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.02	0.003	0.0006	0.009	0.009	0.002	0.01	--	0.02	0.002	0.05	0.2	0.1	0.08	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
100-N1	Animal Activity Area	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.009	0.01	0.001	0.02	--	0.01	0.001	0.06	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
100-N2	Animal Activity Area	0.03	0.005	0.09	0.1	0.009	0.1	--	0.1	0.007	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0008	0.06	0.2	0.1	0.1	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
100-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.01	0.001	0.06	0.2	0.09	0.07	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
101-G1	Garden	0.02	0.007	0.1	0.09	0.008	0.1	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.0009	0.02	--	0.01	0.0006	0.05	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
101-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.002	0.05	0.2	0.1	0.08	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
101-O1	Other -Not Specified	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002	0.07	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
102-G1	Garden	0.02	0.007	0.1	0.1	0.008	0.2	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0006	0.05	0.2	0.1	0.1	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
102-H1	House	0.02	0.008	0.09	0.09	0.004	0.1	--	0.08	0.003	0.002	0.0009	0.01	0.01	0.0004	0.01	--	0.01	0.0003	0.05	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
103-H1	House	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001	0.06	0.2	0.09	0.08	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
103-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.001	0.06	0.2	0.08	0.07	0.04	0.6	0.2	0.9	0.2	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
104-H1	House	0.07	0.005	0.07	0.09	0.01	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002	0.1	0.2	0.09	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
104-H2	House	0.06	0.004	0.06	0.08	0.01	0.1	--	0.2	0.01	0.007	0.0005	0.007	0.01	0.001	0.02	--	0.02	0.002	0.09	0.2	0.09	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
104-N1	Animal Activity Area	0.06	0.004	0.05	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.006	0.008	0.001	0.02	--	0.02	0.001	0.09	0.2	0.08	0.08	0.03	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
105-H1	House	0.03	0.003	0.04	0.05	0.01	0.08	--	0.1	0.008	0.004	0.0003	0.005	0.006	0.001	0.009	--	0.01	0.001	0.06	0.2	0.07	0.06	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.01	0.008	0.01	0.4	0.08	0.3	0.1
105-P1	Play Area	0.03	0.002	0.03	0.04	0.03	0.08	--	0.1	0.01	0.004	0.0002	0.003	0.005	0.003	0.009	--	0.01	0.001	0.06	0.2	0.06	0.05	0.05	0.6	0.2	0.9	0.1	0.02	0.07	0.01	0.007	0.01	0.4	0.08	0.3	0.1
106-G1	Garden	0.01	0.006	0.07	0.06	0.005	0.08	--	0.08	0.003	0.001	0.0007	0.009	0.008	0.0006	0.009	--	0.009	0.0004	0.04	0.2	0.1	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.009	0.4	0.08	0.3	0.1
106-G2	Garden	0.01	0.005	0.07	0.08	0.006	0.1	--	0.08	0.003	0.002	0.0005	0.008	0.009	0.0007	0.01	--	0.009	0.0004	0.04	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
106-H1	House	0.01	0.005	0.06	0.08	0.003	0.08	--	0.07	0.003	0.001	0.0006	0.008	0.009	0.0004	0.01	--	0.008	0.0003	0.04	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
106-O1	Other -Not Specified	0.01	0.006	0.07	0.08	0.004	0.08	--	0.07	0.002	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.008	0.0003	0.04	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
107-H1	House	0.02	0.004	0.05	0.07	0.03	0.1	--	0.1	0.01	0.002	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.001	0.05	0.2	0.08	0.08	0.05	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
108-H1	House	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0009	0.05	0.2	0.09	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
108-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.002	0.06	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
108-O2	Other -Not Specified	0.02	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
109-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.04	0.2	0.09	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
110-A1	Agriculture	0.03	0.004	0.08	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.002	0.02	--	0.02	0.001	0.06	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
110G	Garden	0.03	0.004	0.06	0.06	0.005	0.1	--	0.1	0.004	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0004	0.06	0.2	0.09	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.009	0.4	0.08	0.3	0.1
110-G1	Garden	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0004	0.008	0.01	0.001	0.02	--	0.01	0.0009	0.05	0.2	0.09	0.1	0.04	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
110-G2	Garden	0.01	0.004	0.07	0.1	0.005	0.1	--	0.09	0.004	0.002	0.0004	0.008	0.01	0.0006	0.02	--	0.01	0.0005	0.04	0.2	0.09	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
110-H1	House	0.02	0.004	0.06	0.09	0.009	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.01	0.001	0.01	--	0.01	0.0008	0.05	0.2	0.09	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
110-O1	Other -Not Specified	0.01	0.003	0.05	0.07	0.007	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.0008	0.01	--	0.01	0.0006	0.04	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
110-O2	Other -Not Specified	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.06	0.2	0.1	0.1	0.04	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
111-H1	House	0.02	0.004	0.06	0.07	0.004	0.08	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0005	0.01	--	0.01	0.0004	0.05	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
112G	Garden	0.09	0.008	0.08	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0009	0.009	0.009	0.005	0.02	--	0.02	0.002	0.1	0.2	0.1	0.08	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
112-G1	Garden	0.05	0.01	0.09	0.09	0.02	0.1	--	0.1	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002	0.08	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
112-H1	House	0.04	0.01	0.08	0.08	0.02	0.09	--	0.1	0.02	0.005	0.001	0.009	0.01	0.002	0.01	--	0.01	0.002	0.07	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
112-O1	Other -Not Specified	0.07	0.009	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.001	0.009	0.01	0.004	0.01	--	0.02	0.004	0.1	0.2	0.1	0.09	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
113-G1	Garden	0.04	0.006	0.09	0.1	0.03	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.07	0.2	0.1	0.1	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
113-G2	Garden	0.05	0.007	0.1	0.1	0.03	0.2	--	0.2	0.02	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.08	0.2	0.1	0.1	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
113-G3	Garden	0.03	0.005	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.007	0.008	0.002	0.01	--	0.01	0.001	0.06	0.2	0.09	0.08	0.04	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
113low	Other -Not Specified	0.08	0.006	0.08	0.1	0.02	0.2	--	0.2	0.02	0.009	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003	0.1	0.2	0.1	0.1	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
113-O1	Other -Not Specified	0.03	0.005	0.08	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.01	0.002	0.06	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
113up	Other -Not Specified	0.1	0.005	0.08	0.08	0.03	0.2	--	0.3	0.03	0.01	0.0005	0.009	0.009	0.004	0.02	--	0.03	0.004	0.2	0.2	0.1	0.08	0.06	0.7	0.2	1	0.2	0.03	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
114-G1	Garden	0.03	0.005	0.05	0.1	0.02	0.07	--	0.1	0.03	0.004	0.0005	0.006	0.01	0.002	0.009	--	0.02	0.003	0.06	0.2	0.08	0.1	0.04	0.5	0.2	1	0.2	0.01	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
114-H1	House	0.04	0.005	0.06	0.2	0.02	0.08	--	0.2	0.03	0.004	0.0006	0.007	0.02	0.003	0.01	--	0.02	0.004	0.07	0.2	0.09	0.2	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
114-O1	Other -Not Specified	0.03	0.006	0.06	0.2	0.02	0.08	--	0.2	0.03	0.003	0.0006	0.008	0.02	0.002	0.009	--	0.02	0.003	0.06	0.2	0.09	0.2	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
115-O1	Other -Not Specified	0.1	0.008	0.1	0.1	0.03	0.1	--	0.3	0.02	0.02	0.0009	0.01	0.01	0.004	0.01	--	0.04	0.002	0.2	0.2	0.1	0.1	0.06	0.6	0.2	1	0.2	0.03	0.07	0.02	0.01	0.01	0.4	0.08	0.4	0.1
115SP	Other -Not Specified	0.09	0.005	0.08	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0006	0.009	0.01	0.007	0.02	--	0.04	0.003	0.1	0.2	0.1	0.09	0.08	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.02	0.4	0.08	0.4	0.1
116M	House	0.06	0.004	0.07	0.1	0.05	0.07	--	0.2	0.02	0.007	0.0005	0.008	0.01	0.006	0.008	--	0.02	0.002	0.09	0.2	0.1	0.1	0.07	0.5	0.2	1	0.2	0.02	0.07	0.02	0.02	0.01	0.3	0.08	0.3	0.1
116-O1	Other -Not Specified	0.02	0.006	0.07	0.08	0.01	0.2	--	0.1	0.01	0.002	0.0007	0.009	0.01	0.002	0.02	--	0.01	0.001	0.05	0.2	0.1	0.09	0.04	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
117-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.002	0.004	0.001	0.02	0.02	0.0005	0.02	--	0.01	0.0002	0.06	0.2	0.2	0.1	0.03	0.6	0.2	0.9	0.1	0.02	0.07	0.03	0.02	0.009	0.4	0.08	0.3	0.1
118-G1	Garden	0.01	0.005	0.08	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.02	--	0.01	0.0004	0.04	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
118-G2	Garden	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003	0.04	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
118-H1	House	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.01	0.0005	0.01	--	0.009	0.0004	0.04	0.2	0.09	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
118-N1	Animal Activity Area	0.02	0.004	0.05	0.07	0.007	0.1	--	0.08	0.007	0.002	0.0004	0.006	0.008	0.0009	0.02	--	0.009	0.0008	0.04	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
118-N2	Animal Activity Area	0.02	0.003	0.05	0.07	0.01	0.2	--	0.09	0.01	0.003	0.0004	0.006	0.008	0.001	0.02	--	0.01	0.001	0.05	0.2	0.07	0.08	0.04	0.7	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
119-P1	Play Area	0.09	0.004	0.08	0.08	0.04	0.2	--	0.2	0.03	0.01	0.0005	0.009	0.01	0.004	0.02	--	0.03	0.003	0.1	0.2	0.1	0.09	0.06	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
120-A1	Agriculture	0.02	0.01	0.07	0.06	0.008	0.07	--	0.07	0.007	0.003	0.001	0.008	0.007	0.0009	0.009	--	0.009	0.0009	0.05	0.2	0.1	0.06	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.008	0.01	0.4	0.08	0.3	0.1
120-G1	Garden	0.02	0.008	0.03	0.04	0.01	0.07	--	0.07	0.01	0.002	0.0009	0.004	0.005	0.001	0.008	--	0.008	0.001	0.05	0.2	0.06	0.04	0.03	0.5	0.2	0.9	0.2	0.01	0.07	0.01	0.006	0.01	0.4	0.08	0.3	0.1
120-H1	House	0.02	0.007	0.05	0.05	0.01	0.07	--	0.07	0.008	0.003	0.0008	0.005	0.006	0.001	0.008	--	0.009	0.0009	0.05	0.2	0.07	0.06	0.04	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.008	0.01	0.4	0.08	0.3	0.1
120-O1	Other -Not Specified	0.03	0.01	0.05	0.06	0.01	0.09	--	0.09	0.01	0.004	0.001	0.006	0.006	0.002	0.01	--	0.01	0.001	0.06	0.2	0.08	0.06	0.04	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.008	0.01	0.4	0.08	0.3	0.1
121-G1	Garden	0.02	0.006	0.07	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.008	0.01	0.0008	0.01	--	0.01	0.0004	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1

Table 5-25. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																					
121-H1	House	0.02	0.005	0.07	0.08	0.009	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0007	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
121-N1	Animal Activity Area	0.02	0.005	0.07	0.09	0.006	0.1	--	0.09	0.003	0.002	0.0006	0.008	0.01	0.0007	0.01	--	0.01	0.0004	0.04	0.2	0.09	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
121-N2	Animal Activity Area	0.02	0.005	0.07	0.09	0.009	0.1	--	0.1	0.005	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0006	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
122-G1	Garden	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.05	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
122-G2	Garden	0.02	0.004	0.06	0.07	0.008	0.09	--	0.09	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.05	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
122-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.002	0.0005	0.009	0.01	0.001	0.02	--	0.01	0.002	0.05	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
122-H2	House	0.01	0.004	0.06	0.08	0.009	0.1	--	0.09	0.008	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009	0.04	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
122-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.06	0.2	0.09	0.09	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
122-O2	Other -Not Specified	0.04	0.004	0.07	0.09	0.03	0.1	--	0.2	0.03	0.005	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.003	0.07	0.2	0.1	0.09	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
122-P1	Play Area	0.04	0.004	0.07	0.09	0.04	0.2	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.02	--	0.02	0.004	0.07	0.2	0.1	0.09	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
123-G1	Garden	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
123-G2	Garden	0.04	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.01	0.001	0.07	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
123-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.009	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001	0.06	0.2	0.1	0.1	0.04	0.7	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
123-O1	Other -Not Specified	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001	0.06	0.2	0.1	0.1	0.03	0.7	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
123-O2	Other -Not Specified	0.05	0.007	0.1	0.1	0.04	0.2	--	0.2	0.03	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.08	0.2	0.1	0.1	0.06	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
124-G1	Garden	0.01	0.007	0.09	0.1	0.005	0.09	--	0.1	0.006	0.002	0.0009	0.01	0.01	0.0006	0.01	--	0.01	0.0006	0.04	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
124-G2	Garden	0.04	0.01	0.2	0.1	0.02	0.1	--	0.2	0.01	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.002	0.07	0.2	0.2	0.1	0.04	0.6	0.2	1	0.2	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
124-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.007	0.004	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0008	0.06	0.2	0.2	0.2	0.03	0.6	0.2	1	0.1	0.01	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
124-N1	Animal Activity Area	0.02	0.009	0.08	0.07	0.005	0.07	--	0.09	0.005	0.002	0.001	0.009	0.008	0.0006	0.008	--	0.01	0.0005	0.05	0.2	0.1	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.3	0.08	0.3	0.1
124-N2	Animal Activity Area	0.01	0.005	0.07	0.1	0.001	0.08	--	0.07	0.001	0.001	0.0006	0.008	0.01	0.0002	0.01	--	0.008	0.0001	0.04	0.2	0.1	0.1	0.02	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
124-O1	Other -Not Specified	0.03	0.01	0.2	0.1	0.01	0.2	--	0.2	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002	0.06	0.2	0.2	0.2	0.04	0.6	0.2	1	0.2	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
125-O1	Other -Not Specified	0.02	0.007	0.09	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0008	0.01	0.01	0.001	0.01	--	0.01	0.001	0.05	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
126-A1	Agriculture	0.02	0.003	0.04	0.07	0.008	0.09	--	0.09	0.007	0.002	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.0008	0.05	0.2	0.07	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
126-G1	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.004	0.003	0.0005	0.007	0.01	0.0008	0.01	--	0.01	0.0005	0.05	0.2	0.09	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
126-G2	Garden	0.02	0.004	0.05	0.07	0.008	0.1	--	0.08	0.006	0.002	0.0004	0.006	0.008	0.0009	0.01	--	0.01	0.0007	0.05	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
126-H1	House	0.01	0.003	0.04	0.06	0.004	0.07	--	0.06	0.003	0.001	0.0003	0.005	0.007	0.0004	0.008	--	0.007	0.0004	0.04	0.2	0.07	0.06	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.01	0.008	0.009	0.4	0.08	0.3	0.1
126-O1	Other -Not Specified	0.02	0.003	0.05	0.07	0.007	0.09	--	0.08	0.005	0.002	0.0004	0.005	0.008	0.0008	0.01	--	0.01	0.0006	0.05	0.2	0.07	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.009	0.4	0.08	0.3	0.1
126-O2	Other -Not Specified	0.01	0.003	0.04	0.07	0.006	0.07	--	0.07	0.003	0.002	0.0003	0.005	0.008	0.0007	0.008	--	0.008	0.0004	0.04	0.2	0.07	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.3	0.08	0.3	0.1
126-O3	Other -Not Specified	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.005	0.002	0.0005	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.05	0.2	0.09	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
126-P1	Play Area	0.01	0.003	0.04	0.06	0.005	0.05	--	0.1	0.003	0.002	0.0003	0.005	0.007	0.0006	0.005	--	0.01	0.0004	0.04	0.2	0.07	0.06	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.01	0.009	0.009	0.3	0.08	0.3	0.1
127-A1	Agriculture	0.03	0.004	0.07	0.09	0.02	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.003	0.02	--	0.02	0.002	0.06	0.2	0.1	0.1	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
127-G1	Garden	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.05	0.2	0.09	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
127-G2	Garden	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
127-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.001	0.05	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
127-H2	House	0.01	0.005	0.06	0.08	0.007	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006	0.04	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
127-N1	Animal Activity Area	0.02	0.003	0.05	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0004	0.006	0.009	0.002	0.01	--	0.01	0.001	0.05	0.2	0.08	0.08	0.04	0.6	0.2	0.9	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
128-G1	Garden	0.05	0.01	0.1	0.1	0.008	0.1	--	0.1	0.006	0.006	0.001	0.01	0.01	0.0009	0.02	--	0.02	0.0007	0.08	0.2	0.1	0.1	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
128-G2	Garden	0.05	0.02	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.002	0.01	0.01	0.001	0.02	--	0.02	0.001	0.08	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
128-G3	Garden	0.03	0.008	0.1	0.1	0.006	0.1	--	0.1	0.004	0.004	0.0009	0.01	0.01	0.0007	0.02	--	0.02	0.0005	0.06	0.2	0.1	0.1	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
128-N1	Animal Activity Area	0.05	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.001	0.08	0.2	0.1	0.1	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
128-O1	Other -Not Specified	0.04	0.02	0.09	0.1	0.01	0.1	--	0.1	0.007	0.004	0.002	0.01	0.01	0.001	0.02	--	0.02	0.0009	0.07	0.2	0.1	0.1	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
129-H1	House	0.05	0.004	0.05	0.08	0.04	0.07	--	0.2	0.02	0.006	0.0004	0.006	0.009	0.004	0.008	--	0.02	0.002	0.08	0.2	0.08	0.08	0.06	0.5	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
129-H2	House	0.05	0.003	0.05	0.07	0.04	0.08	--	0.2	0.02	0.005	0.0004	0.006	0.008	0.004	0.009	--	0.02	0.003	0.08	0.2	0.08	0.07	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
130-G1	Garden	0.01	0.004	0.05	0.07	0.006	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0006	0.01	--	0.008	0.0005	0.04	0.2	0.07	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
130-H1	House	0.008	0.004	0.05	0.08	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.006	0.009	0.0003	0.008	--	0.008	0.0003	0.04	0.2	0.08	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
130-H2	House	0.02	0.005	0.07	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0007	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
131-H1	House	0.03	0.005	0.07	0.09	0.01	0.09	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.002	0.06	0.2	0.1	0.1	0.03	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
132-G1	Garden	0.01	0.004	0.06	0.08	0.003	0.06	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.007	--	0.008	0.0003	0.04	0.2	0.09	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.3	0.08	0.3	0.1
132-G2	Garden	0.009	0.004	0.07	0.09	0.002	0.08	--	0.07	0.001	0.001	0.0005	0.008	0.01	0.0002	0.009	--	0.008	0.0001	0.04	0.2	0.09	0.09	0.02	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
132-H1	House	0.01	0.004	0.05	0.07	0.004	0.07	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.008	--	0.009	0.0004	0.04	0.2	0.08	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.009	0.4	0.08	0.3	0.1
132-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0004	0.04	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
133-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.1	--	0.2	0.02	0.005	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002	0.08	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
133-H1	House	0.03	0.02	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.002	0.008	0.01	0.001	0.01	--	0.01	0.001	0.06	0.2	0.09	0.09	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
134-O1	Other -Not Specified	0.1	0.004	0.07	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0005	0.008	0.01	0.007	0.01	--	0.04	0.004	0.1	0.2	0.1	0.09	0.08	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.02	0.4	0.08	0.3	0.1
135-G1	Garden	0.05	0.005	0.07	0.07	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.02	--	0.02	0.001	0.08	0.2	0.09	0.08	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
135-H1	House	0.05	0.005	0.07	0.09	0.01	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.002	0.08	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
135-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.001	0.08	0.2	0.1	0.09	0.03	0.7	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
136-A1	Agriculture	0.02	0.005	0.06	0.08	0.01	0.08	--	0.09	0.005	0.002	0.0006	0.007	0.009	0.001	0.009	--	0.01	0.0005	0.05	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
136-G1	Garden	0.01	0.005	0.06	0.07	0.007	0.08	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0008	0.01	--	0.01	0.0005	0.04	0.2	0.08	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
136-H1	House	0.02	0.005	0.06	0.07	0.009	0.07	--	0.09	0.005	0.002	0.0006	0.006	0.008	0.001	0.008	--	0.01	0.0006	0.05	0.2	0.08	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.01	0.3	0.08	0.3	0.1
136-O1	Other -Not Specified	0.02	0.003	0.04	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.005	0.007	0.003	0.01	--	0.02	0.002	0.05	0.2	0.07	0.07	0.05	0.6	0.2	1	0.2	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
137-O1	Other -Not Specified	0.02	0.003	0.04	0.05	0.02	0.09	--	0.1	0.02	0.002	0.0003	0.005	0.006	0.002	0.01	--	0.01	0.002	0.05	0.2	0.07	0.06	0.04	0.6	0.2	1	0.2	0.01	0.07	0.01	0.008	0.01	0.4	0.08	0.3	0.1
137-O2	Other -Not Specified	0.02	0.003	0.05	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.002	0.05	0.2	0.07	0.07	0.04	0.6	0.2	0.9	0.2	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
138-G1	Garden	0.02	0.008	0.09	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.001	0.05	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
138-G2	Garden	0.02	0.009	0.09	0.08	0.01	0.1	--	0.08	0.009	0.002	0.001	0.01	0.009	0.001	0.02	--	0.01	0.001	0.05	0.2	0.1	0.08	0.04	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
138-H1	House	0.02	0.009	0.09	0.1	0.009	0.1	--	0.1	0.007	0.002	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0008	0.05	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
138-O1	Other -Not Specified	0.01	0.007	0.08	0.1	0.006	0.1	--	0.09	0.005	0.002	0.0008	0.009	0.01	0.0007	0.01	--	0.01	0.0006	0.04	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1

Table 5-25. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																		
138-O2	Other -Not Specified	0.02	0.01	0.08	0.08	0.01	0.1	--	0.09	0.02	0.003	0.001	0.009	0.009	0.001	0.01	--	0.01	0.002	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
139-G1	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0006	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
139-G2	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0009	0.01	--	0.01	0.0006	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
139-H1	House	0.02	0.004	0.07	0.07	0.006	0.1	--	0.09	0.006	0.002	0.0005	0.009	0.009	0.0007	0.01	--	0.01	0.0007	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
139-N1	Animal Activity Area	0.02	0.004	0.08	0.08	0.008	0.1	--	0.1	0.006	0.002	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.0007	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
140-G1	Garden	0.09	0.004	0.07	0.09	0.05	0.2	--	0.2	0.02	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.003	0.1	0.2	0.1	0.09	0.07	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
140-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.04	0.2	0.09	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
140-O1	Other -Not Specified	0.2	0.004	0.07	0.08	0.06	0.2	--	0.4	0.04	0.02	0.0005	0.008	0.01	0.008	0.02	--	0.04	0.005	0.2	0.2	0.09	0.09	0.09	0.6	0.2	1	0.2	0.03	0.07	0.02	0.01	0.02	0.4	0.08	0.4	0.1
140-O2[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.04	0.2	0.09	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
141-A1	Agriculture	0.03	0.009	0.1	0.1	0.008	0.2	--	0.1	0.006	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0006	0.06	0.2	0.2	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
141-H1	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.001	0.01	0.01	0.001	0.01	--	0.01	0.0008	0.06	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.02	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
141-H2	House	0.04	0.01	0.2	0.1	0.02	0.2	--	0.1	0.01	0.005	0.001	0.02	0.02	0.002	0.02	--	0.02	0.001	0.07	0.2	0.2	0.2	0.04	0.6	0.2	1	0.1	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
141-H3	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.008	0.004	0.001	0.01	0.02	0.001	0.02	--	0.01	0.001	0.06	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.02	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
141-N1	Animal Activity Area	0.02	0.006	0.08	0.1	0.007	0.1	--	0.08	0.005	0.002	0.0007	0.01	0.01	0.0008	0.01	--	0.009	0.0006	0.05	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
141-N2	Animal Activity Area	0.04	0.009	0.1	0.1	0.01	0.2	--	0.1	0.007	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0008	0.07	0.2	0.2	0.1	0.04	0.6	0.2	1	0.1	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
141-N3	Animal Activity Area	0.01	0.004	0.05	0.06	0.004	0.05	--	0.09	0.002	0.001	0.0004	0.006	0.007	0.0005	0.006	--	0.01	0.0003	0.04	0.2	0.08	0.06	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.009	0.3	0.08	0.3	0.1
141-N4	Animal Activity Area	0.03	0.009	0.1	0.1	0.009	0.1	--	0.1	0.006	0.004	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0007	0.06	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.02	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
141-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.02	0.001	0.02	--	0.01	0.0008	0.06	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
142-H1	House	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.02	0.001	0.06	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
142-O1	Other -Not Specified	0.02	0.005	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.001	0.05	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
143-A1	Agriculture	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007	0.05	0.2	0.08	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
143-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.05	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
143-G2	Garden	0.02	0.004	0.07	0.07	0.007	0.1	--	0.1	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006	0.05	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
143-H1	House	0.02	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009	0.05	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
144-G1	Garden	0.04	0.005	0.08	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
144-H1	House	0.04	0.004	0.07	0.08	0.02	0.1	--	0.2	0.02	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.07	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
145-A1	Agriculture	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.02	--	0.01	0.001	0.05	0.2	0.09	0.08	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
145-H1	House	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002	0.06	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
146G	Garden	0.03	0.007	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0008	0.01	0.01	0.0007	0.02	--	0.02	0.0005	0.06	0.2	0.1	0.1	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
146-H1	House	0.2	0.004	0.07	0.09	0.1	0.2	--	0.7	0.2	0.02	0.0005	0.009	0.01	0.01	0.03	--	0.08	0.02	0.2	0.2	0.1	0.09	0.1	0.7	0.2	2	0.3	0.03	0.07	0.02	0.01	0.02	0.4	0.08	0.4	0.2
147-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0007	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
147-G2	Garden	0.02	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.001	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
147-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0006	0.008	0.01	0.001	0.02	--	0.01	0.001	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
148-H1	House	0.01	0.004	0.06	0.07	0.004	0.07	--	0.08	0.004	0.001	0.0005	0.007	0.009	0.0005	0.008	--	0.009	0.0005	0.04	0.2	0.08	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.3	0.08	0.3	0.1
148-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.08	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.04	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
148-O3	Other -Not Specified	0.03	0.005	0.07	0.09	0.01	0.08	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.009	--	0.02	0.001	0.06	0.2	0.09	0.1	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
149-A1	Agriculture	0.04	0.05	0.3	0.2	0.02	0.2	--	0.3	0.05	0.005	0.006	0.03	0.02	0.002	0.02	--	0.03	0.006	0.07	0.2	0.3	0.2	0.04	0.7	0.2	1	0.2	0.02	0.07	0.04	0.02	0.01	0.4	0.08	0.3	0.1
149-G1	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.06	0.2	0.2	0.2	0.04	0.7	0.2	1	0.2	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
149-G2	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.06	0.2	0.2	0.2	0.04	0.6	0.2	1	0.2	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
149-H1	House	0.04	0.03	0.2	0.1	0.02	0.2	--	0.2	0.03	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.07	0.2	0.2	0.2	0.04	0.6	0.2	1	0.2	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
149-N1	Animal Activity Area	0.02	0.02	0.2	0.1	0.01	0.1	--	0.2	0.02	0.003	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002	0.05	0.2	0.2	0.1	0.03	0.6	0.2	1	0.2	0.01	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
150-G1	Garden	0.01	0.004	0.05	0.07	0.005	0.08	--	0.08	0.004	0.002	0.0005	0.006	0.009	0.0006	0.009	--	0.01	0.0004	0.04	0.2	0.08	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
150-H1	House	0.01	0.005	0.06	0.07	0.005	0.08	--	0.07	0.004	0.001	0.0005	0.007	0.009	0.0005	0.009	--	0.008	0.0004	0.04	0.2	0.08	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
151-H1	House	0.02	0.006	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.008	0.01	0.001	0.01	--	0.01	0.001	0.05	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
152-G1	Garden	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001	0.06	0.2	0.09	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
152-H1	House	0.04	0.007	0.08	0.07	0.02	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.008	0.002	0.01	--	0.02	0.002	0.07	0.2	0.1	0.07	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
153-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.2	--	0.1	0.01	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.08	0.2	0.09	0.09	0.04	0.7	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
153-H1	House	0.08	0.006	0.09	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0007	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.2	0.1	0.1	0.06	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
153-O1	Other -Not Specified	0.04	0.005	0.08	0.08	0.03	0.3	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.03	--	0.02	0.003	0.07	0.2	0.1	0.09	0.06	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
153-O2	Other -Not Specified	0.04	0.003	0.04	0.05	0.05	0.1	--	0.2	0.03	0.005	0.0003	0.004	0.006	0.006	0.02	--	0.02	0.003	0.07	0.2	0.06	0.05	0.07	0.6	0.2	1	0.2	0.02	0.07	0.01	0.007	0.01	0.4	0.08	0.3	0.1
153-O3	Other -Not Specified	0.07	0.005	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	0.0006	0.009	0.01	0.004	0.02	--	0.02	0.002	0.1	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
153-O5	Other -Not Specified	0.08	0.005	0.07	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0005	0.008	0.01	0.004	0.02	--	0.03	0.003	0.1	0.2	0.1	0.1	0.06	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
153-O6	Other -Not Specified	0.05	0.005	0.08	0.1	0.02	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.001	0.08	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
153-O7	Other -Not Specified	0.08	0.005	0.08	0.09	0.05	0.2	--	0.2	0.04	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.005	0.1	0.2	0.1	0.09	0.07	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
153-P1	Play Area	0.07	0.005	0.09	0.09	0.04	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.03	--	0.03	0.004	0.1	0.2	0.1	0.1	0.06	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
154-G1	Garden	0.01	0.006	0.08	0.09	0.003	0.1	--	0.09	0.003	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.01	0.0003	0.04	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
154-H1	House	0.01	0.005	0.07	0.07	0.007	0.07	--	0.08	0.003	0.001	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0004	0.04	0.2	0.1	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
155-G1	Garden	0.04	0.004	0.07	0.07	0.02	0.1	--	0.1	0.02	0.005	0.0005	0.008	0.008	0.003	0.02	--	0.02	0.002	0.07	0.2	0.1	0.07	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
155-G2	Garden	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.001	0.05	0.2	0.1	0.08	0.04	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
155-H1	House	0.02	0.005	0.07	0.07	0.008	0.08	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
155-H2	House	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.02	0.001	0.06	0.2	0.08	0.07	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
155-O2	Other -Not Specified	0.04	0.003	0.06	0.06	0.04	0.1	--	0.2	0.02	0.005	0.0004	0.007	0.007	0.005	0.01	--	0.02	0.003	0.07	0.2	0.08	0.07	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
156-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0009	0.05	0.2	0.09	0.09	0.04	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
156-O1	Other -Not Specified	0.03	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.006	0.008	0.003	0.01	--	0.02	0.002	0.06	0.2	0.08	0.07	0.05	0.6	0.2	1	0.2	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
157-G1	Garden	0.02	0.005	0.07	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0008	0.009	--	0.01	0.0006	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
157-H1	House	0.02	0.005	0.07	0.08	0.01	0.07	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.002	0.009	--	0.02	0.001	0.05	0.2	0.1	0.08	0.04	0.5	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1

Table 5-25. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																						
157-H2	House	0.02	0.005	0.07	0.08	0.008	0.07	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.009	--	0.01	0.0008		0.05	0.2	0.09	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
157-O1	Other -Not Specified	0.02	0.004	0.06	0.06	0.009	0.06	--	0.09	0.007	0.002	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.0008		0.05	0.2	0.08	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.01	0.3	0.08	0.3	0.1
158-H1	House	0.01	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0005	0.008	--	0.01	0.0004		0.04	0.2	0.09	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.3	0.08	0.3	0.1
158-O1	Other -Not Specified	0.01	0.005	0.07	0.08	0.006	0.08	--	0.1	0.004	0.001	0.0005	0.008	0.009	0.0007	0.009	--	0.01	0.0004		0.04	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
159-G1	Garden	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0008		0.05	0.2	0.08	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
159-H1	House	0.02	0.003	0.05	0.06	0.006	0.07	--	0.08	0.006	0.002	0.0004	0.005	0.007	0.0007	0.008	--	0.009	0.0007		0.05	0.2	0.07	0.06	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.008	0.009	0.3	0.08	0.3	0.1
159-H2	House	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001		0.06	0.2	0.08	0.07	0.04	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
159-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.005	0.08	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006		0.05	0.2	0.08	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
159-O2	Other -Not Specified	0.02	0.004	0.06	0.07	0.006	0.08	--	0.08	0.006	0.002	0.0005	0.007	0.008	0.0007	0.009	--	0.009	0.0007		0.05	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
160-G1	Garden	0.03	0.004	0.06	0.07	0.009	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001		0.06	0.2	0.09	0.07	0.03	0.6	0.2	0.9	0.2	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
160-H1	House	0.02	0.004	0.07	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0005	0.008	0.01	0.0007	0.01	--	0.01	0.0008		0.05	0.2	0.09	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
160-H2	House	0.02	0.005	0.07	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0006		0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
161-H1	House	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.002		0.06	0.2	0.09	0.08	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
161-N1	Animal Activity Area	0.02	0.004	0.06	0.06	0.008	0.08	--	0.09	0.01	0.002	0.0005	0.007	0.007	0.0009	0.009	--	0.01	0.001		0.05	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
162-H1	House	0.01	0.003	0.05	0.06	0.02	0.05	--	0.08	0.008	0.002	0.0003	0.006	0.008	0.002	0.006	--	0.009	0.0009		0.04	0.2	0.07	0.07	0.04	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.01	0.3	0.08	0.3	0.1
163G	Garden	0.09	0.005	0.07	0.08	0.02	0.2	--	0.2	0.02	0.01	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002		0.1	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
163-G1	Garden	0.01	0.003	0.05	0.06	0.008	0.09	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.001	0.01	--	0.009	0.0006		0.04	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
163-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001		0.05	0.2	0.08	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
164-H1	House	0.03	0.005	0.07	0.09	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.002		0.06	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
165-H1	House	0.03	0.01	0.2	0.2	0.009	0.1	--	0.09	0.005	0.003	0.002	0.02	0.02	0.001	0.02	--	0.01	0.0006		0.06	0.2	0.2	0.2	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
165-O1	Other -Not Specified	0.04	0.02	0.2	0.2	0.02	0.2	--	0.1	0.01	0.005	0.002	0.03	0.02	0.002	0.02	--	0.02	0.002		0.07	0.2	0.3	0.2	0.04	0.7	0.2	1	0.2	0.02	0.07	0.04	0.02	0.01	0.4	0.08	0.3	0.1
166-O1	Other -Not Specified	0.05	0.004	0.05	0.1	0.03	0.07	--	0.2	0.03	0.005	0.0004	0.006	0.01	0.003	0.008	--	0.02	0.003		0.08	0.2	0.08	0.1	0.05	0.5	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.3	0.08	0.3	0.1
167-O1	Other -Not Specified	0.02	0.004	0.06	0.08	0.009	0.08	--	0.1	0.01	0.002	0.0005	0.007	0.009	0.001	0.009	--	0.01	0.001		0.05	0.2	0.09	0.08	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
167-O2	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.07	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.008	--	0.02	0.001		0.05	0.2	0.08	0.07	0.04	0.5	0.2	1	0.1	0.01	0.07	0.02	0.009	0.01	0.3	0.08	0.3	0.1
167-O3	Other -Not Specified	0.03	0.004	0.07	0.08	0.03	0.1	--	0.2	0.02	0.003	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.002		0.06	0.2	0.09	0.08	0.05	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
167-O4	Other -Not Specified	0.02	0.004	0.06	0.08	0.02	0.08	--	0.2	0.01	0.003	0.0005	0.007	0.01	0.002	0.009	--	0.02	0.001		0.05	0.2	0.09	0.09	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
167-O5	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.08	--	0.2	0.01	0.003	0.0004	0.007	0.009	0.002	0.009	--	0.02	0.001		0.06	0.2	0.08	0.08	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
167-O6	Other -Not Specified	0.03	0.004	0.06	0.07	0.03	0.1	--	0.1	0.02	0.004	0.0004	0.006	0.009	0.003	0.01	--	0.02	0.002		0.06	0.2	0.08	0.08	0.05	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
167-O7	Other -Not Specified	0.06	0.004	0.06	0.08	0.05	0.1	--	0.2	0.03	0.007	0.0004	0.007	0.009	0.006	0.01	--	0.03	0.004		0.09	0.2	0.09	0.08	0.07	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
167-O8	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.08	--	0.1	0.01	0.002	0.0004	0.005	0.008	0.003	0.01	--	0.02	0.001		0.05	0.2	0.07	0.07	0.05	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
167-O9	Other -Not Specified	0.02	0.004	0.05	0.08	0.02	0.09	--	0.1	0.01	0.003	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.002		0.05	0.2	0.08	0.08	0.05	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
168-G1	Garden	0.01	0.006	0.06	0.07	0.006	0.09	--	0.08	0.008	0.001	0.0007	0.007	0.009	0.0007	0.01	--	0.01	0.0009		0.04	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
168-G2	Garden	0.01	0.007	0.07	0.08	0.007	0.1	--	0.1	0.006	0.001	0.0008	0.008	0.009	0.0008	0.01	--	0.01	0.0007		0.04	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
168-H1	House	0.009	0.005	0.06	0.08	0.004	0.07	--	0.08	0.004	0.001	0.0006	0.007	0.009	0.0005	0.009	--	0.009	0.0005		0.04	0.2	0.09	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
168-N1	Animal Activity Area	0.01	0.007	0.06	0.06	0.007	0.09	--	0.07	0.007	0.002	0.0008	0.007	0.007	0.0008	0.01	--	0.008	0.0008		0.04	0.2	0.08	0.06	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
168-O1	Other -Not Specified	0.04	0.01	0.07	0.08	0.03	0.07	--	0.1	0.02	0.005	0.002	0.009	0.009	0.003	0.009	--	0.02	0.002		0.07	0.2	0.1	0.08	0.05	0.5	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
169A	Other -Not Specified	0.03	0.004	0.06	0.1	0.05	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.006	0.007	--	0.02	0.002		0.06	0.2	0.09	0.1	0.08	0.5	0.2	1	0.2	0.02	0.07	0.02	0.02	0.01	0.3	0.08	0.3	0.1
169-G2	Garden	0.01	0.004	0.06	0.08	0.008	0.07	--	0.08	0.006	0.002	0.0005	0.007	0.009	0.0009	0.008	--	0.009	0.0007		0.04	0.2	0.08	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.3	0.08	0.3	0.1
169-G3	Garden	0.02	0.006	0.08	0.1	0.01	0.1	--	0.1	0.006	0.002	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0008		0.05	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
169-G4	Garden	0.02	0.004	0.06	0.09	0.01	0.09	--	0.08	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008		0.05	0.2	0.09	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
169-H1	House	0.01	0.004	0.05	0.07	0.007	0.08	--	0.06	0.004	0.001	0.0004	0.005	0.008	0.0009	0.01	--	0.007	0.0005		0.04	0.2	0.07	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
170-G1	Garden	0.02	0.005	0.07	0.1	0.008	0.1	--	0.09	0.006	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0007		0.05	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
170-G2	Garden	0.02	0.005	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.01	0.002		0.05	0.2	0.09	0.09	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
170-H1	House	0.02	0.004	0.06	0.08	0.01	0.09	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0009		0.05	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
171-A1	Agriculture	0.04	0.01	0.2	0.1	0.02	0.2	--	0.2	0.02	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.003		0.07	0.2	0.2	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
171-G1	Garden	0.05	0.01	0.1	0.1	0.03	0.2	--	0.2	0.03	0.006	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003		0.08	0.2	0.2	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
171-H1	House	0.03	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.003	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.003		0.06	0.2	0.2	0.1	0.05	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
172U	Other -Not Specified	0.04	0.005	0.05	0.2	0.02	0.06	--	0.2	0.04	0.005	0.0006	0.006	0.02	0.003	0.007	--	0.02	0.004		0.07	0.2	0.07	0.2	0.05	0.5	0.2	1	0.2	0.02	0.07	0.02	0.02	0.01	0.3	0.08	0.3	0.1
173-G1	Garden	0.02	0.006	0.07	0.1	0.007	0.1	--	0.09	0.005	0.002	0.0008	0.008	0.01	0.0008	0.01	--	0.01	0.0006		0.05	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
173-G2	Garden	0.01	0.006	0.07	0.1	0.003	0.07	--	0.07	0.002	0.001	0.0007	0.008	0.01	0.0003	0.008	--	0.008	0.0002		0.04	0.2	0.09	0.1	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
173-G3	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0009	0.008	0.01	0.001	0.01	--	0.01	0.001		0.06	0.2	0.09	0.1	0.04	0.6	0.2	0.9	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
173-G4	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0009	0.008	0.01	0.002	0.01	--	0.01	0.001		0.06	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
173-G5	Garden	0.02	0.006	0.08	0.1	0.005	0.1	--	0.08	0.003	0.002	0.0007	0.01	0.01	0.0006	0.01	--	0.01	0.0003		0.05	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
173-H1	House	0.03	0.006	0.06	0.08	0.01	0.09	--	0.1	0.01	0.003	0.0007	0.007	0.009	0.002	0.01	--	0.01	0.002		0.06	0.2	0.09	0.08	0.04	0.6	0.2	0.9	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
173-P1	Play Area	0.03	0.006	0.07	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0007	0.008	0.01	0.002	0.01	--	0.02	0.002		0.06	0.2	0.09	0.09	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
174-A1	Agriculture	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.001		0.06	0.2	0.1	0.1	0.03	0.7	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
174-G1	Garden	0.03	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.03	--	0.02	0.001		0.06	0.2	0.1	0.1	0.04	0.7	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
174-H1	House	0.04	0.008	0.1	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002		0.07	0.2	0.1	0.09	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
174M	House	0.01	0.004	0.06	0.06	0.002	0.06	--	0.07	0.004	0.002	0.0005	0.007	0.007	0.0003	0.007	--	0.008	0.0005		0.04	0.2	0.08	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.009	0.3	0.08	0.3	0.1
175-G1	Garden	0.02	0.004	0.05	0.06	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.001		0.05	0.2	0.08	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
175-G2	Garden	0.01	0.004	0.05	0.06	0.005	0.06	--	0.07	0.003	0.001	0.0004	0.005	0.007	0.0006	0.007	--	0.008	0.0004		0.04	0.2	0.07	0.06	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.008	0.009	0.3	0.08	0.3	0.1
175-H1	House	0.01	0.003	0.04	0.06	0.01	0.08	--	0.09	0.008	0.002	0.0004	0.005	0.007	0.001	0.009	--	0.01	0.001		0.04	0.2	0.07	0.06	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.008	0.01	0.4	0.08	0.3	0.1
176-A1	Agriculture	0.02	0.005	0.07	0.07	0.009	0.09	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006		0.05	0.2	0.09	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
176G	Garden	0.05	0.005	0.06	0.06	0.02	0.1	--	0.1	0.01	0.006	0.0006	0.007	0.007	0.002	0.01	--	0.02	0.002		0.08	0.2	0.08	0.06	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
176-H1	House	0.02	0.004	0.06	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0007		0.05	0.2	0.08	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
176-H2	House	0.02	0.005	0.06	0.07	0.007	0.08	--	0.1	0.004	0.002	0.0006	0.008	0.009	0.0009	0.009	--	0.01	0.0005		0.05	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
176M	House	0.05	0.004	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0005	0.006	0.007	0.002	0.01	--	0.02	0.003		0.08	0.2	0.08	0.06	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1

Table 5-25. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																		
176-P1	Play Area	0.02	0.004	0.05	0.08	0.006	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.009	0.0007	0.01	--	0.01	0.0006	0.05	0.2	0.08	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
178-H1	House	0.02	0.005	0.08	0.1	0.005	0.1	--	0.1	0.003	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0004	0.05	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
179-H1	House	0.03	0.006	0.07	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0008	0.008	0.01	0.001	0.02	--	0.01	0.001	0.06	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
180-H1	House	0.07	0.005	0.07	0.09	0.05	0.09	--	0.3	0.02	0.009	0.0005	0.008	0.01	0.005	0.01	--	0.03	0.002	0.1	0.2	0.09	0.09	0.07	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
180-H2[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.04	0.2	0.09	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
180-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.08	0.1	--	0.3	0.02	0.006	0.0005	0.008	0.01	0.009	0.01	--	0.04	0.003	0.08	0.2	0.09	0.09	0.1	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.02	0.4	0.08	0.3	0.1
181-A1	Agriculture	0.06	0.006	0.08	0.09	0.01	0.2	--	0.2	0.01	0.007	0.0008	0.009	0.01	0.002	0.02	--	0.02	0.001	0.09	0.2	0.1	0.09	0.04	0.7	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
181-G1	Garden	0.04	0.005	0.07	0.08	0.008	0.1	--	0.1	0.004	0.005	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0005	0.07	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
181-G2	Garden	0.06	0.007	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.09	0.2	0.1	0.09	0.04	0.7	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
181-H1	House	0.06	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001	0.09	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
181-H2	House	0.07	0.007	0.1	0.1	0.02	0.2	--	0.2	0.01	0.009	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.1	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
181-N1	Animal Activity Area	0.08	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.009	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002	0.1	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
181-N2	Animal Activity Area	0.06	0.006	0.08	0.09	0.02	0.2	--	0.2	0.01	0.008	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.09	0.2	0.1	0.09	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
181-O1	Other -Not Specified	0.04	0.007	0.09	0.09	0.008	0.1	--	0.1	0.006	0.004	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0007	0.07	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
182-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.2	--	0.2	0.03	0.004	0.001	0.01	0.01	0.003	0.02	--	0.02	0.003	0.07	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
182-G2	Garden	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.03	0.008	0.001	0.02	0.01	0.003	0.03	--	0.03	0.003	0.1	0.2	0.2	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
182-H1	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.2	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
182-H2	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.2	0.2	0.1	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
182-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
182-O2	Other -Not Specified	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	0.001	0.01	0.01	0.003	0.03	--	0.02	0.003	0.1	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
182-O3	Other -Not Specified	0.03	0.01	0.09	0.08	0.02	0.2	--	0.2	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.003	0.06	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
184-H1	House	0.05	0.003	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0004	0.006	0.007	0.003	0.01	--	0.02	0.002	0.08	0.2	0.08	0.06	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
185-A1	Agriculture	0.02	0.009	0.08	0.08	0.01	0.08	--	0.1	0.008	0.003	0.001	0.009	0.009	0.002	0.009	--	0.02	0.0009	0.05	0.2	0.1	0.08	0.04	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
185G	Garden	0.05	0.008	0.1	0.1	0.007	0.1	--	0.2	0.004	0.006	0.0009	0.02	0.01	0.0008	0.02	--	0.02	0.0005	0.08	0.2	0.2	0.1	0.03	0.6	0.2	1	0.1	0.02	0.07	0.03	0.01	0.01	0.4	0.08	0.3	0.1
185-H1	House	0.02	0.008	0.07	0.09	0.01	0.09	--	0.1	0.008	0.003	0.0009	0.009	0.01	0.001	0.01	--	0.02	0.0009	0.05	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
186-O1	Other -Not Specified	0.05	0.004	0.06	0.1	0.03	0.07	--	0.2	0.03	0.006	0.0005	0.007	0.02	0.004	0.009	--	0.02	0.003	0.08	0.2	0.09	0.1	0.06	0.5	0.2	1	0.2	0.02	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
187-H1	House	0.02	0.004	0.07	0.08	0.02	0.1	--	0.1	0.01	0.002	0.0005	0.008	0.009	0.002	0.01	--	0.02	0.002	0.05	0.2	0.1	0.08	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
188-A1	Agriculture	0.02	0.008	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001	0.05	0.2	0.1	0.1	0.04	0.7	0.2	0.9	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
188-G1	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.01	0.002	0.06	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
188-G2	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
188-G3	Garden	0.02	0.006	0.09	0.09	0.01	0.2	--	0.1	0.008	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.01	0.001	0.05	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
188-H1	House	0.01	0.01	0.08	0.09	0.007	0.1	--	0.1	0.005	0.002	0.001	0.01	0.01	0.0008	0.02	--	0.01	0.0006	0.04	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
188-P1	Play Area	0.02	0.005	0.07	0.08	0.008	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
189-G1	Garden	0.02	0.006	0.08	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.009	0.01	0.0009	0.01	--	0.01	0.0005	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
189-H1	House	0.02	0.005	0.07	0.08	0.008	0.09	--	0.1	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
189-H2	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.001	0.05	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
189-O1	Other -Not Specified	0.04	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001	0.07	0.2	0.09	0.09	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
190-G1	Garden	0.009	0.004	0.07	0.08	0.004	0.08	--	0.1	0.002	0.001	0.0005	0.008	0.009	0.0005	0.01	--	0.01	0.0002	0.04	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
190-H1	House	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.005	0.001	0.0005	0.007	0.008	0.0006	0.01	--	0.008	0.0005	0.04	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
190-N1	Animal Activity Area	0.01	0.005	0.07	0.09	0.005	0.1	--	0.08	0.003	0.001	0.0005	0.008	0.01	0.0005	0.01	--	0.009	0.0004	0.04	0.2	0.09	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
190-N2	Animal Activity Area	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003	0.04	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
190-N3	Animal Activity Area	0.009	0.004	0.06	0.08	0.003	0.09	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003	0.04	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
190-O1	Other -Not Specified	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
191-H1	House	0.03	0.007	0.08	0.09	0.03	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.01	0.003	0.01	--	0.02	0.002	0.06	0.2	0.1	0.09	0.05	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
192-A1	Agriculture	0.03	0.01	0.08	0.09	0.02	0.09	--	0.1	0.008	0.003	0.001	0.01	0.01	0.002	0.01	--	0.02	0.0009	0.06	0.2	0.1	0.1	0.04	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
192-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.09	--	0.2	0.007	0.004	0.002	0.01	0.01	0.003	0.01	--	0.02	0.0008	0.07	0.2	0.1	0.1	0.05	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
192-H1	House	0.02	0.008	0.07	0.08	0.02	0.08	--	0.1	0.007	0.003	0.001	0.008	0.01	0.002	0.009	--	0.01	0.0008	0.05	0.2	0.1	0.09	0.04	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
193-G1	Garden	0.01	0.003	0.05	0.06	0.003	0.06	--	0.06	0.002	0.001	0.0004	0.006	0.007	0.0003	0.007	--	0.007	0.0002	0.04	0.2	0.07	0.06	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.008	0.009	0.3	0.08	0.3	0.1
193-H1	House	0.01	0.004	0.06	0.07	0.003	0.07	--	0.07	0.002	0.001	0.0005	0.007	0.008	0.0004	0.008	--	0.008	0.0003	0.04	0.2	0.08	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
194-H1	House	0.008	0.004	0.05	0.07	0.003	0.07	--	0.07	0.003	0.0009	0.0004	0.006	0.008	0.0004	0.008	--	0.009	0.0003	0.04	0.2	0.08	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.009	0.4	0.08	0.3	0.1
194-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.006	0.09	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0007	0.01	--	0.01	0.0005	0.04	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
195-G1	Garden	0.02	0.004	0.05	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.0008	0.05	0.2	0.08	0.07	0.04	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
195-G2	Garden	0.03	0.004	0.06	0.08	0.03	0.2	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.003	0.02	--	0.02	0.002	0.06	0.2	0.09	0.08	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
195-O1	Other -Not Specified	0.03	0.003	0.04	0.06	0.03	0.1	--	0.1	0.02	0.003	0.0003	0.005	0.007	0.003	0.01	--	0.01	0.002	0.06	0.2	0.07	0.06	0.05	0.6	0.2	1	0.2	0.01	0.07	0.01	0.009	0.01	0.4	0.08	0.3	0.1
196-A1	Agriculture	0.01	0.005	0.07	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0009	0.01	--	0.01	0.0007	0.04	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
196-A2	Agriculture	0.02	0.006	0.08	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0007	0.009	0.009	0.001	0.01	--	0.01	0.001	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
196-G1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.0008	0.05	0.2	0.1	0.08	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
196-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.09	0.008	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0009	0.05	0.2	0.09	0.07	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
197-H1	House	0.02	0.007	0.1	0.1	0.01	0.09	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.001	0.05	0.2	0.1	0.1	0.04	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
198-G1	Garden	0.03	0.005	0.07	0.08	0.01	0.2	--	0.1	0.008	0.004	0.0006	0.008	0.009	0.001	0.02	--	0.01	0.001	0.06	0.2	0.1	0.08	0.03	0.7	0.2	0.9	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
198-H1	House	0.03	0.008	0.1	0.1	0.02	0.2	--	0.2	0.01	0.004	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
199-G1	Garden	0.01	0.006	0.09	0.1	0.004	0.1	--	0.1	0.002	0.001	0.0007	0.01	0.01	0.0004	0.01	--	0.01	0.0002	0.04	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.02	0.009	0.4	0.08	0.3	0.1
199-O1	Other -Not Specified	0.01	0.006	0.08	0.1	0.005	0.09	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0005	0.01	--	0.01	0.0004	0.04	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.02	0.009	0.4	0.08	0.3	0.1
200-G1	Garden	0.04	0.007	0.1	0.1	0.007	0.2	--	0.1	0.005	0.004	0.0008	0.01	0.01	0.0008	0.03	--	0.01	0.0006	0.07	0.2	0.2	0.1	0.03	0.7	0.2	1	0.1	0.02	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
200-H1	House	0.03	0.006	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0007	0.01	0.01	0.0007	0.02	--	0.01	0.0004	0.06	0.2	0.1	0.1	0.03	0.7	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
200-O1	Other -Not Specified	0.04	0.01	0.1	0.1	0.007	0.2	--	0.1	0.004	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0004	0.07	0.2	0.2	0.2	0.03	0.7	0.2	1	0.1	0.02	0.07	0.03	0.02	0.009	0.4	0.08	0.3	0.1

Table 5-25. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Kokanee

		Total HI Across COPCs by Pathway																		Total HI Across Pathways												
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		By Target Organ System												
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
201G[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
201-O1	Other -Not Specified	0.07	0.006	0.09	0.1	0.04	0.1	--	0.2	0.02	0.008	0.0007	0.01	0.01	0.005	0.01	--	0.02	0.003	0.1	0.2	0.1	0.1	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
202-H1	House	0.03	0.004	0.06	0.07	0.01	0.06	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.007	--	0.01	0.001	0.06	0.2	0.08	0.07	0.03	0.5	0.2	0.9	0.2	0.01	0.07	0.02	0.01	0.01	0.3	0.08	0.3	0.1
202-N1	Animal Activity Area	0.02	0.004	0.06	0.07	0.007	0.06	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0009	0.007	--	0.01	0.0006	0.05	0.2	0.08	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.3	0.08	0.3	0.1
202-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.07	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.0008	0.009	--	0.01	0.001	0.05	0.2	0.09	0.09	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
203-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.04	0.2	0.09	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
203-O1[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.04	0.2	0.09	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
203-O2	Other -Not Specified	0.1	0.004	0.07	0.09	0.07	0.2	--	0.3	0.03	0.02	0.0004	0.008	0.01	0.008	0.02	--	0.04	0.004	0.2	0.2	0.09	0.1	0.09	0.7	0.2	1	0.2	0.03	0.07	0.02	0.01	0.02	0.4	0.08	0.4	0.1
203-O3[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.04	0.2	0.09	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
203-O4[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.04	0.2	0.09	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
205-O1	Other -Not Specified	0.1	0.005	0.07	0.08	0.04	0.06	--	0.3	0.02	0.01	0.0006	0.008	0.01	0.004	0.007	--	0.04	0.003	0.1	0.2	0.1	0.09	0.06	0.5	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.3	0.08	0.3	0.1
206-A1	Agriculture	0.03	0.02	0.1	0.1	0.01	0.1	--	0.1	0.01	0.004	0.002	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.2	0.2	0.1	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
206-G1	Garden	0.02	0.007	0.07	0.08	0.007	0.1	--	0.09	0.006	0.002	0.0008	0.009	0.009	0.0008	0.01	--	0.01	0.0007	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
206-H1	House	0.009	0.005	0.06	0.08	0.003	0.08	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0003	0.009	--	0.008	0.0003	0.04	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
206-H2	House	0.03	0.04	0.2	0.1	0.03	0.2	--	0.2	0.03	0.004	0.005	0.02	0.01	0.003	0.02	--	0.02	0.003	0.06	0.2	0.2	0.1	0.05	0.6	0.2	1	0.2	0.01	0.07	0.03	0.01	0.01	0.4	0.08	0.3	0.1
206-O1	Other -Not Specified	0.06	0.008	0.1	0.1	0.03	0.2	--	0.3	0.02	0.007	0.0009	0.01	0.01	0.004	0.02	--	0.03	0.002	0.09	0.2	0.1	0.1	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
207-O1	Other -Not Specified	0.02	0.003	0.05	0.06	0.01	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.001	0.05	0.2	0.07	0.06	0.04	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.008	0.01	0.4	0.08	0.3	0.1
208AA	Animal Activity Area	0.04	0.005	0.07	0.07	0.02	0.09	--	0.1	0.01	0.005	0.0005	0.008	0.008	0.002	0.01	--	0.02	0.002	0.07	0.2	0.09	0.07	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
208BM	House	0.05	0.007	0.1	0.1	0.01	0.1	--	0.2	0.009	0.006	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001	0.08	0.2	0.1	0.1	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
208G	Garden	0.05	0.008	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.02	0.01	0.001	0.02	--	0.02	0.001	0.08	0.2	0.2	0.1	0.03	0.6	0.2	1	0.1	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
208-H1	House	0.07	0.004	0.07	0.07	0.03	0.2	--	0.2	0.02	0.009	0.0005	0.008	0.009	0.004	0.02	--	0.02	0.002	0.1	0.2	0.09	0.08	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
209A	Agriculture	0.04	0.006	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
209-G1	Garden	0.05	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.003	0.08	0.2	0.1	0.08	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
209-H1	House	0.09	0.005	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.2	0.1	0.09	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
209-P1	Play Area	0.1	0.005	0.08	0.09	0.04	0.2	--	0.3	0.04	0.01	0.0006	0.01	0.01	0.005	0.02	--	0.03	0.005	0.1	0.2	0.1	0.09	0.06	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
210-H1	House	0.04	0.005	0.06	0.08	0.009	0.09	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001	0.07	0.2	0.09	0.08	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
210-O1	Other -Not Specified	0.04	0.004	0.05	0.07	0.01	0.09	--	0.1	0.01	0.004	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.001	0.07	0.2	0.07	0.07	0.04	0.6	0.2	0.9	0.1	0.02	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
211-A1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001	0.05	0.2	0.09	0.08	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
211-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.004	0.003	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0005	0.05	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
211-G2	Garden	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0006	0.06	0.2	0.1	0.09	0.03	0.6	0.2	0.9	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
211-H1	House	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.009	0.002	0.0006	0.009	0.009	0.0009	0.01	--	0.01	0.001	0.05	0.2	0.1	0.08	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
211-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.02	0.002	0.05	0.2	0.09	0.07	0.03	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
212-H1	House	0.03	0.005	0.08	0.2	0.03	0.08	--	0.2	0.02	0.003	0.0006	0.009	0.02	0.004	0.009	--	0.02	0.003	0.06	0.2	0.1	0.2	0.05	0.6	0.2	1	0.2	0.01	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
212-H2	House	0.03	0.004	0.06	0.1	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.002	0.007	--	0.01	0.002	0.06	0.2	0.09	0.1	0.04	0.5	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.3	0.08	0.3	0.1
213-O1	Other -Not Specified	0.04	0.009	0.1	0.1	0.006	0.2	--	0.1	0.004	0.005	0.001	0.01	0.01	0.0007	0.02	--	0.01	0.0004	0.07	0.2	0.1	0.1	0.03	0.7	0.2	1	0.1	0.02	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
213-O2	Other -Not Specified	0.05	0.007	0.1	0.09	0.01	0.2	--	0.2	0.006	0.006	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.08	0.2	0.1	0.1	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
213-O3	Other -Not Specified	0.04	0.007	0.1	0.1	0.008	0.1	--	0.1	0.004	0.004	0.0008	0.01	0.02	0.001	0.01	--	0.02	0.0005	0.07	0.2	0.1	0.1	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
21G	Garden	0.07	0.005	0.07	0.07	0.04	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.009	0.005	0.02	--	0.02	0.003	0.1	0.2	0.09	0.08	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
226C	House	0.07	0.004	0.05	0.06	0.04	0.08	--	0.3	0.02	0.008	0.0004	0.006	0.007	0.005	0.009	--	0.03	0.002	0.1	0.2	0.08	0.06	0.07	0.6	0.2	1	0.2	0.02	0.07	0.02	0.008	0.01	0.4	0.08	0.3	0.1
230G	Garden	0.02	0.005	0.07	0.07	0.008	0.07	--	0.1	0.004	0.003	0.0006	0.008	0.009	0.001	0.008	--	0.01	0.0005	0.05	0.2	0.09	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
231Lower	Other -Not Specified	0.05	0.005	0.07	0.08	0.01	0.09	--	0.2	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001	0.08	0.2	0.1	0.08	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
238G	Garden	0.02	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.008	0.0005	0.009	--	0.01	0.0005	0.05	0.2	0.09	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.009	0.009	0.4	0.08	0.3	0.1
238M	Other -Not Specified	0.02	0.005	0.07	0.07	0.003	0.07	--	0.09	0.003	0.002	0.0006	0.008	0.009	0.0004	0.008	--	0.01	0.0004	0.05	0.2	0.1	0.08	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.3	0.08	0.3	0.1
280yard	House	0.05	0.006	0.1	0.09	0.03	0.2	--	0.2	0.02	0.006	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.003	0.08	0.2	0.1	0.09	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
284M	House	0.03	0.005	0.08	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.001	0.06	0.2	0.1	0.08	0.04	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
285M	Other -Not Specified	0.04	0.005	0.09	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.01	0.009	0.002	0.01	--	0.02	0.001	0.07	0.2	0.1	0.08	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
288G1	Garden	0.03	0.006	0.08	0.08	0.008	0.08	--	0.1	0.006	0.003	0.0007	0.009	0.009	0.0009	0.009	--	0.01	0.0007	0.06	0.2	0.1	0.08	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
288G2	Garden	0.02	0.007	0.08	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0008	0.009	0.01	0.0008	0.009	--	0.01	0.0005	0.05	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
289G3	Garden	0.02	0.005	0.07	0.07	0.007	0.07	--	0.1	0.006	0.003	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0007	0.05	0.2	0.09	0.07	0.03	0.5	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
317M	Play Area	0.1	0.006	0.1	0.1	0.04	0.1	--	0.4	0.05	0.02	0.0008	0.01	0.01	0.005	0.01	--	0.04	0.005	0.2	0.2	0.1	0.1	0.06	0.6	0.2	1	0.2	0.03	0.07	0.02	0.01	0.01	0.4	0.08	0.4	0.1
319M[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
320new	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.03	0.01	0.0008	0.01	0.01	0.004	0.01	--	0.03	0.003	0.1	0.2	0.1	0.1	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
35PA[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
59A	House	0.09	0.004	0.05	0.06	0.04	0.1	--	0.2	0.03	0.01	0.0004	0.006	0.007	0.004	0.01	--	0.02	0.003	0.1	0.2	0.08	0.06	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.008	0.01	0.4	0.08	0.3	0.1
62G	Garden	0.04	0.006	0.09	0.1	0.007	0.1	--	0.1	0.006	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.07	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.02	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
72M	Agriculture	0.07	0.008	0.09	0.09	0.03	0.1	--	0.2	0.02	0.008	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002	0.1	0.2	0.1	0.09	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
72U	Other -Not Specified	0.05	0.01	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.08	0.2	0.2	0.1	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
94M	Agriculture	0.03	0.006	0.1	0.1	0.008	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.01	0.0009	0.01	--	0.02	0.0007	0.06	0.2	0.1	0.1	0.03	0.6	0.2	1	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
999G1	Garden	0.04	0.008	0.09	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.0009	0.07	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
999M1	House	0.03	0.007	0.1	0.1	0.008	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.01	0.0009	0.02	--	0.01	0.0008	0.06	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
999M2	Garden	0.03	0.009	0.1	0.1	0.005	0.1	--	0.1	0.004	0.003	0.001	0.02	0.01	0.0006	0.02	--	0.01	0.0005	0.06	0.2	0.2	0.1	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.03	0.02	0.009	0.4	0.08	0.3	0.1
999M3	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.08	0.2	0.2	0.2	0.04	0.8	0.2	1	0.2	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-26. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
Indoor Air		--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																			
Outdoor Air		--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02		**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exeed benchmark[c] when risk is summed across pathways:**								
Fish (Northern Pike)		ND	0.3	NA	NA	0.04	0.4	NA	0.4	--	ND	0.1	NA	NA	0.01	0.1	NA	0.1	--																			
Residential Soil/Dust[a]		**Number of DUs that exceed benchmark[c] for Soil/Dust:**									**Number of DUs that exceed benchmark[c] for Soil/Dust:**																													
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
9	Agriculture	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009		0.04	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.1	0.005	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1
13	Other -Not Specified	0.05	0.005	0.09	0.09	0.01	0.2	--	0.1	0.008	0.006	0.0006	0.01	0.01	0.001	0.02	--	0.02	0.0009		0.05	0.3	0.09	0.09	0.05	0.8	NA	0.5	0.1	0.006	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
14	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.008	0.005	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0009		0.04	0.3	0.09	0.09	0.05	0.8	NA	0.5	0.1	0.005	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
15	House	0.04	0.005	0.08	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0006	0.009	0.009	0.001	0.01	--	0.02	0.001		0.04	0.3	0.08	0.08	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.009	0.009	0.01	0.4	NA	0.2	0.1
16	Other -Not Specified	0.08	0.005	0.1	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004		0.08	0.3	0.1	0.09	0.07	0.8	NA	0.6	0.2	0.009	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
17	Other -Not Specified	0.04	0.007	0.09	0.09	0.02	0.1	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002		0.04	0.3	0.09	0.09	0.05	0.8	NA	0.5	0.2	0.005	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
18[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
20[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
21	House	0.03	0.006	0.08	0.08	0.01	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.009	0.001	0.01	--	0.01	0.0008		0.03	0.3	0.08	0.08	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.009	0.02	0.4	NA	0.2	0.1
22	House	0.07	0.005	0.08	0.08	0.01	0.1	--	0.2	0.01	0.008	0.0005	0.009	0.009	0.002	0.01	--	0.02	0.001		0.07	0.3	0.08	0.08	0.05	0.8	NA	0.6	0.1	0.008	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1
25	House	0.03	0.005	0.09	0.09	0.007	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.0009	0.01	--	0.01	0.0005		0.03	0.3	0.09	0.09	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
27	Other -Not Specified	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.04	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.2	0.005	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
28	Garden	0.02	0.006	0.08	0.08	0.004	0.1	--	0.08	0.003	0.002	0.0006	0.01	0.009	0.0005	0.01	--	0.01	0.0003		0.02	0.3	0.08	0.08	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
29	Other -Not Specified	0.02	0.005	0.08	0.08	0.007	0.09	--	0.09	0.004	0.003	0.0006	0.009	0.009	0.0008	0.01	--	0.01	0.0004		0.02	0.3	0.08	0.08	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.009	0.009	0.01	0.4	NA	0.2	0.1
30	Other -Not Specified	0.04	0.007	0.1	0.09	0.007	0.1	--	0.1	0.004	0.005	0.0008	0.01	0.01	0.0008	0.02	--	0.01	0.0005		0.04	0.3	0.1	0.09	0.04	0.8	NA	0.5	0.1	0.005	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
31	Other -Not Specified	0.06	0.006	0.1	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002		0.06	0.3	0.1	0.1	0.06	0.9	NA	0.6	0.2	0.007	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
33	House	0.05	0.005	0.07	0.07	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.009	0.003	0.02	--	0.02	0.002		0.05	0.3	0.07	0.07	0.07	0.8	NA	0.6	0.2	0.006	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1
35[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
39[b]	Agriculture	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
40[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
42	House	0.02	0.004	0.05	0.07	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.001		0.02	0.3	0.05	0.07	0.05	0.7	NA	0.5	0.2	0.003	0.1	0.006	0.008	0.02	0.4	NA	0.2	0.1
44	Agriculture	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008		0.03	0.3	0.06	0.07	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.007	0.008	0.02	0.4	NA	0.2	0.1
46	Other -Not Specified	0.04	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.002		0.04	0.3	0.06	0.07	0.05	0.7	NA	0.5	0.2	0.004	0.1	0.007	0.008	0.02	0.4	NA	0.2	0.1
47	Agriculture	0.03	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0005	0.008	0.01	0.003	0.01	--	0.02	0.002		0.03	0.3	0.07	0.08	0.06	0.8	NA	0.5	0.2	0.004	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
49[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
55	House	0.02	0.006	0.08	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0007	0.009	0.01	0.0007	0.01	--	0.01	0.0007		0.02	0.3	0.08	0.08	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
56	Other -Not Specified	0.04	0.006	0.1	0.1	0.02	0.1	--	0.2	0.02	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002		0.04	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.2	0.004	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
58	Agriculture	0.02	0.006	0.08	0.08	0.009	0.1	--	0.1	0.006	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0007		0.02	0.3	0.08	0.08	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
59	House	0.04	0.003	0.04	0.05	0.03	0.09	--	0.1	0.02	0.005	0.0003	0.005	0.006	0.003	0.01	--	0.02	0.002		0.04	0.3	0.04	0.05	0.06	0.7	NA	0.5	0.2	0.005	0.1	0.005	0.006	0.02	0.4	NA	0.2	0.1
60	Garden	0.03	0.005	0.06	0.07	0.008	0.1	--	0.1	0.005	0.003	0.0006	0.007	0.008	0.0009	0.01	--	0.01	0.0006		0.03	0.3	0.06	0.07	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
61	House	0.04	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.005	0.0004	0.006	0.008	0.002	0.01	--	0.02	0.001		0.04	0.3	0.05	0.07	0.05	0.7	NA	0.5	0.2	0.005	0.1	0.006	0.008	0.02	0.4	NA	0.2	0.1
62	House	0.04	0.006	0.09	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.04	0.3	0.09	0.1	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
66	Other -Not Specified	0.05	0.005	0.07	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.001		0.05	0.3	0.07	0.08	0.06	0.8	NA	0.6	0.2	0.006	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
67	Garden	0.05	0.005	0.08	0.08	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002		0.05	0.3	0.08	0.08	0.06	0.8	NA	0.6	0.2	0.006	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
70	House	0.06	0.008	0.09	0.09	0.02	0.1	--	0.2	0.02	0.007	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.002		0.06	0.3	0.09	0.09	0.06	0.8	NA	0.6	0.2	0.007	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
71	Garden	0.06	0.009	0.1	0.09	0.02	0.1	--	0.1	0.01	0.007	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001		0.06	0.3	0.1	0.09	0.05	0.8	NA	0.5	0.1	0.007	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
72	Garden	0.06	0.01	0.1	0.1	0.02	0.1	--	0.2	0.02	0.007	0.001	0.02	0.01	0.003	0.01	--	0.02	0.003		0.06	0.4	0.1	0.1	0.06	0.7	NA	0.6	0.2	0.007	0.1	0.02	0.01	0.02	0.4	NA	0.2	0.1
75	House	0.06	0.005	0.08	0.08	0.06	0.2	--	0.2	0.04	0.007	0.0005	0.01	0.01	0.007	0.02	--	0.03	0.004		0.06	0.3	0.08	0.08	0.1	0.8	NA	0.6	0.2	0.007	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
82	House	0.03	0.006	0.1	0.1	0.007	0.1	--	0.1	0.005	0.004	0.0007	0.01	0.01	0.0008	0.02	--	0.01	0.0006		0.03	0.3	0.1	0.1	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
85	House	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.004	0.002	0.0006	0.008	0.008	0.0005	0.008	--	0.01	0.0005		0.02	0.3	0.07	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.008	0.01	0.4	NA	0.2	0.1
86	Agriculture	0.03	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001		0.03	0.3	0.09	0.09	0.05	0.7	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
87	Agriculture	0.02	0.005	0.07	0.07	0.009	0.08	--	0.1	0.008	0.003	0.0005	0.008	0.008	0.001	0.009	--	0.01	0.001		0.02	0.3	0.07	0.07	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.008	0.008	0.01	0.4	NA	0.2	0.1
106	House	0.1	0.005	0.06	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0005	0.007	0.009	0.004	0.02	--	0.03	0.002		0.1	0.3	0.06	0.07	0.07	0.8	NA	0.6	0.2	0.01	0.1	0.007	0.009	0.02	0.4	NA	0.2	0.1
107	Garden	0.07	0.006	0.08	0.09	0.03	0.2	--	0.2	0.01	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.02	0.002		0.07	0.3	0.08	0.09	0.06	0.8	NA	0.6	0.2	0.008	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
108	Garden	0.09	0.008	0.07	0.08	0.02	0.1	--	0.2	0.01	0.01	0.0009	0.009	0.01	0.002	0.02	--	0.02	0.002		0.09	0.3	0.07	0.08	0.06	0.8	NA	0.6	0.2	0.01	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
109[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
110	House	0.03	0.004	0.05	0.06	0.008	0.1	--	0.1	0.007	0.004	0.0005	0.006	0.007	0.001	0.01	--	0.01	0.0008		0.03	0.3	0.05	0.06	0.04	0.7	NA	0.5	0.1	0.004	0.1	0.006	0.007	0.01	0.4	NA	0.2	0.1
111	Other -Not Specified	0.03	0.004	0.06	0.06	0.008	0.1	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.001	0.01	--	0.01	0.0007		0.03	0.3	0.06	0.06	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.007	0.007	0.01	0.4	NA	0.2	0.1
112	House	0.1	0.005	0.08	0.07	0.04	0.2	--	0.3	0.04	0.02	0.0006	0.009	0.009	0.005	0.02	--	0.03	0.004		0.1	0.3	0.08	0.07	0.08	0.8	NA	0.7	0.2	0.02	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1
121	House	0.04	0.008	0.2	0.1	0.01	0.2	--	0.2	0.02	0.005	0.001	0.02	0.01	0.001	0.03	--	0.02	0.002		0.04	0.3	0.2	0.1	0.05	0.9	NA	0.6	0.2	0.005	0.1	0.02	0.01	0.02	0.4	NA	0.2	0.1
122	Other -Not Specified	0.06	0.008	0.1	0.1	0.009	0.2	--	0.2	0.007	0.007	0.001	0.02	0.01	0.001	0.02	--	0.02	0.0008		0.06	0.3	0.1	0.1	0.05	0.8	NA	0.6	0.1	0.007	0.1	0.02	0.01	0.01	0.4	NA	0.2	0.1
123	House	0.06	0.005	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.0006	0.01	0.009	0.004	0.02	--	0.03	0.003		0.06	0.3	0.08	0.08	0.07	0.8	NA	0.6	0.2	0.008	0.1	0.01	0.009	0.02	0.4	NA	0.2	0.1
135	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.001		0.03	0.3	0.06	0.06	0.05	0.7	NA	0.5	0.1	0.004	0.1	0.007	0.007	0.01	0.4	NA	0.2	0.1
146	House	0.04	0.005	0.08	0.09	0.006	0.1	--	0.1	0.008	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.02	0.0009		0.04	0.3	0.08	0.09	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
147	Garden	0.02	0.005	0.06	0.07	0.005	0.09	--	0.09	0.004	0.003	0.0006	0.007	0.008	0.0005	0.01	--	0.01	0.0004		0.02	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
151[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
152	Other -Not Specified	0.04	0.007	0.1	0.09	0.01	0.1	--	0.2	0.02	0.005	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002		0.04	0.3	0.1	0.09	0.05	0.8	NA	0.6	0.2	0.005	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
154	House	0.02	0.003	0.04	0.05	0.005	0.06	--	0.06	0.005	0.002	0.0004	0.005	0.006	0.0006	0.007	--	0.007	0.0006		0.02	0.3	0.04	0.05	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.005	0.006	0.01	0.4	NA	0.2	0.1
160	House	0.05	0.006	0.08	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.009	0.001	0.02	--	0.02	0.001		0.05	0.3	0.08	0.07	0.05	0.8	NA	0.5	0.2	0.006	0.1	0.01	0.009	0.02	0.4	NA	0.2	0.1
163	House	0.06	0.005	0.07	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001		0.06	0.3	0.07	0.07	0.05	0.8	NA	0.5	0.2	0.006	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1

Table 5-26. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																	**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																			
164	Agriculture	0.05	0.006	0.09	0.09	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.05	0.3	0.09	0.09	0.05	0.8	NA	0.5	0.1	0.006	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
167	Agriculture	0.03	0.004	0.06	0.06	0.005	0.08	--	0.1	0.006	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0007	0.03	0.3	0.06	0.06	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
168	House	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.07	0.3	0.1	0.09	0.07	0.8	NA	0.6	0.2	0.008	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
169	Other -Not Specified	0.06	0.006	0.08	0.08	0.03	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.009	0.004	0.02	--	0.02	0.002	0.06	0.3	0.08	0.08	0.07	0.8	NA	0.6	0.2	0.007	0.1	0.01	0.009	0.02	0.4	NA	0.2	0.1
170[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.04	0.7	NA	0.4	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
175	Other -Not Specified	0.05	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.05	0.3	0.06	0.07	0.05	0.8	NA	0.5	0.1	0.006	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
177	Agriculture	0.07	0.004	0.05	0.06	0.01	0.1	--	0.2	0.01	0.008	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002	0.07	0.3	0.05	0.06	0.05	0.7	NA	0.6	0.2	0.008	0.1	0.006	0.007	0.02	0.4	NA	0.2	0.1
185	House	0.07	0.007	0.1	0.1	0.02	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002	0.07	0.3	0.1	0.1	0.06	0.8	NA	0.6	0.2	0.008	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
186	House	0.05	0.005	0.08	0.07	0.02	0.09	--	0.2	0.02	0.006	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.002	0.05	0.3	0.08	0.07	0.05	0.7	NA	0.6	0.2	0.006	0.1	0.009	0.008	0.02	0.4	NA	0.2	0.1
189	House	0.07	0.007	0.09	0.09	0.01	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.3	0.09	0.09	0.05	0.8	NA	0.6	0.2	0.008	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
192	House	0.05	0.009	0.1	0.1	0.02	0.1	--	0.2	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002	0.05	0.3	0.1	0.1	0.05	0.8	NA	0.6	0.2	0.006	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
193	House	0.05	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.005	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.001	0.05	0.3	0.07	0.08	0.06	0.7	NA	0.6	0.1	0.005	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
194[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.02	0.3	0.1	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
196[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.02	0.3	0.1	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
201	House	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009	0.04	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.1	0.005	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1
203[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.02	0.3	0.1	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
206	House	0.04	0.005	0.08	0.07	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.001	0.04	0.3	0.08	0.07	0.05	0.7	NA	0.5	0.1	0.005	0.1	0.009	0.008	0.02	0.4	NA	0.2	0.1
208	Other -Not Specified	0.05	0.006	0.1	0.09	0.04	0.1	--	0.2	0.01	0.006	0.0007	0.01	0.01	0.005	0.02	--	0.02	0.002	0.05	0.3	0.1	0.09	0.08	0.8	NA	0.6	0.2	0.006	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
213	Other -Not Specified	0.09	0.005	0.07	0.07	0.04	0.1	--	0.2	0.03	0.01	0.0006	0.008	0.009	0.004	0.02	--	0.03	0.003	0.09	0.3	0.07	0.07	0.07	0.8	NA	0.6	0.2	0.01	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
216	House	0.07	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	0.0004	0.008	0.009	0.004	0.02	--	0.02	0.002	0.07	0.3	0.07	0.07	0.07	0.8	NA	0.6	0.2	0.008	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
218[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.02	0.3	0.1	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
229	Play Area	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.003	0.002	0.0005	0.008	0.008	0.0005	0.008	--	0.01	0.0003	0.02	0.3	0.07	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.008	0.01	0.4	NA	0.2	0.1
231	House	0.06	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.001	0.06	0.3	0.06	0.07	0.05	0.8	NA	0.5	0.1	0.007	0.1	0.007	0.008	0.02	0.4	NA	0.2	0.1
246	Play Area	0.01	0.005	0.06	0.06	0.004	0.06	--	0.07	0.003	0.002	0.0005	0.007	0.007	0.0004	0.006	--	0.008	0.0004	0.01	0.3	0.06	0.06	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.007	0.01	0.4	NA	0.2	0.1
249	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.09	--	0.1	0.006	0.004	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.0007	0.03	0.3	0.06	0.06	0.05	0.7	NA	0.5	0.1	0.004	0.1	0.006	0.007	0.01	0.4	NA	0.2	0.1
250	House	0.05	0.004	0.06	0.06	0.01	0.1	--	0.1	0.008	0.005	0.0004	0.007	0.007	0.002	0.01	--	0.01	0.0009	0.05	0.3	0.06	0.06	0.05	0.7	NA	0.5	0.1	0.005	0.1	0.007	0.007	0.02	0.4	NA	0.2	0.1
253	House	0.03	0.004	0.06	0.07	0.008	0.07	--	0.1	0.009	0.003	0.0005	0.007	0.008	0.001	0.008	--	0.01	0.001	0.03	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
280	Other -Not Specified	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.003	0.07	0.3	0.1	0.09	0.07	0.8	NA	0.6	0.2	0.008	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
287	Agriculture	0.03	0.004	0.08	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0005	0.009	0.009	0.003	0.02	--	0.02	0.002	0.03	0.3	0.08	0.08	0.06	0.8	NA	0.6	0.2	0.004	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1
288	House	0.02	0.005	0.07	0.07	0.006	0.07	--	0.09	0.006	0.002	0.0006	0.008	0.008	0.0007	0.008	--	0.01	0.0007	0.02	0.3	0.07	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.008	0.01	0.4	NA	0.2	0.1
291	Agriculture	0.02	0.004	0.05	0.06	0.007	0.06	--	0.1	0.006	0.002	0.0005	0.006	0.007	0.0009	0.007	--	0.01	0.0007	0.02	0.3	0.05	0.06	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.006	0.007	0.01	0.4	NA	0.2	0.1
306	Other -Not Specified	0.03	0.004	0.06	0.06	0.007	0.07	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.0009	0.008	--	0.01	0.0007	0.03	0.3	0.06	0.06	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.007	0.007	0.01	0.4	NA	0.2	0.1
315	House	0.02	0.007	0.08	0.08	0.004	0.09	--	0.1	0.003	0.003	0.0008	0.01	0.01	0.0005	0.01	--	0.01	0.0003	0.02	0.3	0.08	0.08	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
316	Other -Not Specified	0.03	0.006	0.09	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.002	0.02	--	0.01	0.001	0.03	0.3	0.09	0.08	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
317	House	0.08	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.009	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.002	0.08	0.3	0.1	0.1	0.05	0.7	NA	0.6	0.2	0.009	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
318	Other -Not Specified	0.1	0.006	0.1	0.09	0.03	0.1	--	0.3	0.04	0.01	0.0007	0.01	0.01	0.004	0.01	--	0.03	0.005	0.1	0.3	0.1	0.09	0.07	0.8	NA	0.7	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
319	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.05	0.01	0.0008	0.01	0.01	0.005	0.02	--	0.04	0.006	0.09	0.3	0.1	0.1	0.08	0.8	NA	0.7	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
325	Garden	0.03	0.005	0.07	0.07	0.005	0.08	--	0.09	0.003	0.003	0.0006	0.008	0.008	0.0006	0.01	--	0.01	0.0004	0.03	0.3	0.07	0.07	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.008	0.008	0.01	0.4	NA	0.2	0.1
326	Other -Not Specified	0.02	0.005	0.06	0.07	0.006	0.06	--	0.1	0.005	0.002	0.0005	0.007	0.008	0.0007	0.007	--	0.01	0.0006	0.02	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
327	Other -Not Specified	0.02	0.004	0.05	0.06	0.005	0.05	--	0.09	0.004	0.002	0.0005	0.006	0.008	0.0005	0.006	--	0.01	0.0004	0.02	0.3	0.05	0.06	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
345	Play Area	0.03	0.006	0.1	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001	0.03	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
346	Garden	0.05	0.007	0.1	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.3	0.1	0.08	0.06	0.8	NA	0.6	0.2	0.006	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
347	Other -Not Specified	0.05	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.006	0.0005	0.009	0.008	0.003	0.01	--	0.02	0.003	0.05	0.3	0.07	0.07	0.06	0.8	NA	0.6	0.2	0.006	0.1	0.009	0.008	0.02	0.4	NA	0.2	0.1
801	Other -Not Specified	0.06	0.003	0.05	0.09	0.03	0.05	--	0.2	0.02	0.007	0.0004	0.005	0.01	0.003	0.006	--	0.02	0.002	0.06	0.3	0.05	0.09	0.07	0.7	NA	0.6	0.2	0.007	0.1	0.005	0.01	0.02	0.4	NA	0.2	0.1
1001	Other -Not Specified	0.08	0.004	0.05	0.1	0.04	0.05	--	0.2	0.03	0.009	0.0004	0.006	0.01	0.004	0.006	--	0.03	0.003	0.08	0.3	0.05	0.1	0.07	0.7	NA	0.6	0.2	0.009	0.1	0.006	0.01	0.02	0.4	NA	0.2	0.1
1005	Garden	0.04	0.006	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0008	0.009	0.01	0.002	0.01	--	0.02	0.001	0.04	0.3	0.08	0.09	0.05	0.7	NA	0.5	0.1	0.005	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
1006	House	0.03	0.008	0.08	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.0009	0.03	0.3	0.08	0.08	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
1007	Garden	0.02	0.009	0.08	0.08	0.007	0.1	--	0.1	0.005	0.003	0.001	0.009	0.01	0.0008	0.01	--	0.01	0.0006	0.02	0.3	0.08	0.08	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
1008	Agriculture	0.02	0.009	0.06	0.07	0.01	0.08	--	0.1	0.01	0.003	0.001	0.007	0.008	0.001	0.01	--	0.01	0.001	0.02	0.3	0.06	0.07	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.007	0.008	0.02	0.4	NA	0.2	0.1
1010	Agriculture	0.03	0.008	0.06	0.07	0.02	0.09	--	0.1	0.01	0.004	0.0009	0.007	0.008	0.002	0.01	--	0.01	0.001	0.03	0.3	0.06	0.07	0.05	0.7	NA	0.5	0.1	0.004	0.1	0.007	0.008	0.02	0.4	NA	0.2	0.1
1011	Agriculture	0.04	0.005	0.04	0.05	0.02	0.06	--	0.1	0.01	0.005	0.0005	0.005	0.005	0.002	0.007	--	0.01	0.002	0.04	0.3	0.04	0.05	0.05	0.7	NA	0.5	0.2	0.005	0.1	0.005	0.005	0.02	0.4	NA	0.2	0.1
1015	Garden	0.02	0.005	0.08	0.09	0.006	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0005	0.02	0.3	0.08	0.09	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
1017	Garden	0.03	0.003	0.05	0.07	0.01	0.09	--	0.1	0.008	0.003	0.0004	0.006	0.008	0.001	0.01	--	0.01	0.001	0.03	0.3	0.05	0.07	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.006	0.008	0.02	0.4	NA	0.2	0.1
1018	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.08	0.004	0.002	0.0004	0.007	0.009	0.0008	0.01	--	0.01	0.0005	0.02	0.3	0.06	0.08	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
1020	Garden	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.001	0.03	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
1021[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.02	0.3	0.1	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
1030[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.04	0.7	NA	0.4	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
1035	Garden	0.05	0.009	0.1	0.09	0.01	0.2	--	0.2	0.01	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.3	0.1	0.09	0.05	0.8	NA	0.6	0.1	0.006	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
1036	Play Area	0.03	0.006	0.09	0.09	0.009	0.1	--	0.1	0.007	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.0008	0.03	0.3	0.09	0.09	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
1037	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.04	0.3	0.09	0.09	0.05	0.8	NA	0.5	0.1	0.005	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
1060	House	0.03	0.005	0.07	0.07	0.01	0.09	--	0.1	0.01	0.003	0.0005	0.008	0.008	0.001	0.01	--	0.01	0.001	0.03	0.3	0.07	0.07	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.008	0.008	0.02	0.4	NA	0.2	0.1
3000	House	0.01	0.005	0.06	0.07	0.003	0.06	--	0.08	0.002	0.002	0.0005	0.007	0.009	0.0004	0.007	--	0.009	0.0003	0.01	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
3001	Garden	0.08	0.01	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.001	0.02	0.02	0.004	0.02	--	0.03	0.002	0.08	0.3	0.1	0.1	0.07	0.8	NA	0.7	0.2	0.01	0.1	0.02	0.02	0.02	0.4	NA	0.2	0.1
3003	Other -Not Specified	0.1	0.007	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.0009	0.01	0.01	0.003	0.01	--	0.03	0.003	0.1	0.3	0.1	0.1	0.06	0.8	NA	0.7	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
3004	House	0.03	0.005	0.07	0.07	0.01	0.1	--	0.1	0.006	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0007	0.03	0.3	0.07	0.07	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
075-A1	Agriculture	0.02	0.006	0.08	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0007	0.009	0.01	0.001	0.01	--	0.01	0.001	0.02	0.3	0.08	0.09	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1

Table 5-26. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	
		Child									Adult										Child									Adult								
DU	DU Type																																					
075-H1	House	0.03	0.005	0.07	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.002	0.02	--	0.02	0.002	0.03	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.2	0.003	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
075-O1	Other -Not Specified	0.03	0.005	0.06	0.2	0.02	0.08	--	0.2	0.02	0.004	0.0006	0.008	0.02	0.003	0.01	--	0.02	0.003	0.03	0.3	0.06	0.2	0.06	0.7	NA	0.6	0.2	0.004	0.1	0.008	0.02	0.02	0.4	NA	0.2	0.1
076-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.03	0.3	0.09	0.1	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
076-G2	Garden	0.05	0.007	0.09	0.1	0.02	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.3	0.09	0.1	0.05	0.8	NA	0.5	0.2	0.005	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
076-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.001	0.03	--	0.02	0.002	0.03	0.3	0.1	0.1	0.05	0.9	NA	0.5	0.2	0.004	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
076-H2	House	0.04	0.006	0.09	0.09	0.01	0.2	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.04	0.3	0.09	0.09	0.05	0.8	NA	0.5	0.1	0.005	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
076-N1	Animal Activity Area	0.04	0.007	0.1	0.1	0.03	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.001	0.04	0.3	0.1	0.1	0.06	0.8	NA	0.5	0.2	0.005	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
077-A1	Agriculture	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.006	0.008	0.0004	0.009	--	0.008	0.0003	0.01	0.3	0.05	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
077-A2	Agriculture	0.009	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.009	--	0.008	0.0004	0.009	0.3	0.05	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
077-G1	Garden	0.01	0.004	0.06	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003	0.01	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
077-H1	House	0.01	0.004	0.05	0.06	0.004	0.07	--	0.07	0.003	0.001	0.0004	0.006	0.007	0.0004	0.008	--	0.008	0.0004	0.01	0.3	0.05	0.06	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.006	0.007	0.01	0.4	NA	0.2	0.1
077-H2	House	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0005	0.009	--	0.008	0.0004	0.01	0.3	0.05	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
077-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.008	0.0005	0.009	--	0.009	0.0004	0.01	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
078-G1	Garden	0.01	0.004	0.05	0.07	0.003	0.09	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0004	0.01	--	0.008	0.0005	0.01	0.3	0.05	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
078-H1	House	0.007	0.003	0.04	0.06	0.002	0.06	--	0.06	0.003	0.0009	0.0004	0.005	0.007	0.0002	0.007	--	0.006	0.0003	0.007	0.3	0.04	0.06	0.04	0.7	NA	0.5	0.1	0.0009	0.1	0.005	0.007	0.01	0.4	NA	0.2	0.1
078-N1	Animal Activity Area	0.01	0.004	0.05	0.06	0.003	0.07	--	0.06	0.003	0.001	0.0005	0.006	0.007	0.0003	0.008	--	0.007	0.0003	0.01	0.3	0.05	0.06	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.006	0.007	0.01	0.4	NA	0.2	0.1
078-O1	Other -Not Specified	0.009	0.004	0.06	0.07	0.002	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0003	0.01	--	0.008	0.0004	0.009	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
079-H1	House	0.03	0.005	0.06	0.09	0.009	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.001	0.03	0.3	0.06	0.09	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
079-H2	House	0.04	0.007	0.07	0.08	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.008	0.009	0.002	0.02	--	0.02	0.001	0.04	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.2	0.005	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
080-H1	House	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.004	0.004	0.001	0.02	0.01	0.0005	0.02	--	0.02	0.0004	0.03	0.3	0.1	0.1	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.02	0.01	0.01	0.4	NA	0.2	0.1
081-A1	Agriculture	0.02	0.005	0.08	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0006	0.02	0.3	0.08	0.09	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
081-H1	House	0.02	0.007	0.1	0.1	0.006	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.0007	0.01	--	0.01	0.001	0.02	0.3	0.1	0.1	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
081-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.02	0.003	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002	0.03	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.2	0.003	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
082-G1	Garden	0.01	0.004	0.06	0.07	0.003	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.008	0.0004	0.01	--	0.009	0.0003	0.01	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
082-G2	Garden	0.02	0.004	0.06	0.07	0.005	0.1	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006	0.02	0.3	0.06	0.07	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
082-H1	House	0.01	0.004	0.05	0.07	0.004	0.09	--	0.08	0.004	0.001	0.0004	0.006	0.008	0.0004	0.01	--	0.009	0.0005	0.01	0.3	0.05	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
082-N1	Animal Activity Area	0.01	0.004	0.05	0.07	0.004	0.1	--	0.08	0.004	0.002	0.0005	0.006	0.008	0.0005	0.01	--	0.009	0.0005	0.01	0.3	0.05	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
082-N2	Animal Activity Area	0.02	0.004	0.06	0.07	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006	0.02	0.3	0.06	0.07	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
083-G1	Garden	0.02	0.005	0.08	0.09	0.005	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0006	0.02	0.3	0.08	0.09	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
083-G2	Garden	0.02	0.005	0.07	0.08	0.005	0.1	--	0.09	0.004	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0005	0.02	0.3	0.07	0.08	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
083-H1	House	0.02	0.005	0.07	0.08	0.006	0.09	--	0.09	0.007	0.002	0.0006	0.009	0.009	0.0007	0.01	--	0.01	0.0008	0.02	0.3	0.07	0.08	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.009	0.009	0.01	0.4	NA	0.2	0.1
084-H1	House	0.01	0.005	0.07	0.09	0.005	0.1	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0004	0.01	0.3	0.07	0.09	0.04	0.8	NA	0.5	0.1	0.001	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
085-H1	House	0.02	0.004	0.06	0.07	0.008	0.1	--	0.09	0.007	0.002	0.0005	0.007	0.008	0.0009	0.01	--	0.01	0.0008	0.02	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
085-O1	Other -Not Specified	0.03	0.006	0.1	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.009	0.002	0.02	--	0.01	0.001	0.03	0.3	0.1	0.08	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.02	0.4	NA	0.2	0.1
085-P1	Play Area	0.05	0.008	0.09	0.09	0.02	0.2	--	0.2	0.02	0.006	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.3	0.09	0.09	0.05	0.8	NA	0.6	0.2	0.006	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
086-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.009	0.001	0.02	--	0.01	0.0009	0.02	0.3	0.06	0.07	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
086-H1	House	0.02	0.003	0.06	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.01	0.001	0.02	--	0.01	0.0008	0.02	0.3	0.06	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.007	0.01	0.01	0.4	NA	0.2	0.1
086-H2	House	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.03	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.2	0.004	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
087-H1	House	0.02	0.003	0.06	0.07	0.008	0.1	--	0.09	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007	0.02	0.3	0.06	0.07	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
087-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.03	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.2	0.004	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
088-H1	House	0.06	0.005	0.08	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.003	0.06	0.3	0.08	0.1	0.06	0.8	NA	0.6	0.2	0.007	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
088-H2	House	0.04	0.004	0.06	0.07	0.01	0.1	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.002	0.01	--	0.02	0.002	0.04	0.3	0.06	0.07	0.05	0.8	NA	0.5	0.2	0.004	0.1	0.007	0.009	0.02	0.4	NA	0.2	0.1
088-O1	Other -Not Specified	0.05	0.004	0.07	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.05	0.3	0.07	0.1	0.06	0.8	NA	0.6	0.2	0.005	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
089-A1	Agriculture	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.008	0.004	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.0009	0.03	0.3	0.08	0.1	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
089-H1	House	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.001	0.03	0.3	0.08	0.1	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
089-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0008	0.02	0.3	0.07	0.08	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
090-H1	House	0.01	0.005	0.06	0.08	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.007	0.009	0.001	0.01	--	0.01	0.0009	0.01	0.3	0.06	0.08	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
090-O2	Other -Not Specified	0.01	0.007	0.09	0.1	0.01	0.2	--	0.1	0.007	0.002	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.01	0.3	0.09	0.1	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
091-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.1	--	0.1	0.009	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.001	0.03	0.3	0.09	0.1	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
091-H1	House	0.03	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0008	0.03	0.3	0.07	0.08	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.009	0.009	0.01	0.4	NA	0.2	0.1
092-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.07	--	0.1	0.02	0.002	0.0005	0.006	0.007	0.002	0.009	--	0.02	0.002	0.02	0.3	0.05	0.06	0.06	0.7	NA	0.5	0.2	0.002	0.1	0.006	0.007	0.02	0.4	NA	0.2	0.1
092-O2	Other -Not Specified	0.02	0.004	0.05	0.06	0.01	0.08	--	0.1	0.01	0.003	0.0005	0.006	0.007	0.002	0.009	--	0.01	0.001	0.02	0.3	0.05	0.06	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.006	0.007	0.02	0.4	NA	0.2	0.1
093-H1	House	0.03	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.003	0.0004	0.007	0.009	0.001	0.01	--	0.01	0.0007	0.03	0.3	0.06	0.07	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
094-H1	House	0.03	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.02	--	0.01	0.0009	0.03	0.3	0.06	0.08	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
094-P1	Play Area	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001	0.03	0.3	0.07	0.1	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
095-A1	Agriculture	0.04	0.004	0.06	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0004	0.007	0.01	0.003	0.02	--	0.02	0.002	0.04	0.3	0.06	0.1	0.06	0.8	NA	0.6	0.2	0.005	0.1	0.007	0.01	0.02	0.4	NA	0.2	0.1
095-H1	House	0.04	0.005	0.07	0.1	0.02	0.2	--	0.2	0.01	0.005	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002	0.04	0.3	0.07	0.1	0.05	0.8	NA	0.6	0.2	0.005	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
095-O1	Other -Not Specified	0.04	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.04	0.3	0.07	0.08	0.06	0.8	NA	0.5	0.2	0.005	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
095-O2	Other -Not Specified	0.05	0.005	0.07	0.1	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.002	0.05	0.3	0.07	0.1	0.06	0.8	NA	0.6	0.2	0.006	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
096-H1	House	0.04	0.006	0.08	0.09	0.02	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.04	0.3	0.08	0.09	0.06	0.8	NA	0.6	0.2	0.005	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
096-O1	Other -Not Specified	0.07	0.006	0.08	0.1	0.02	0.2	--	0.2	0.03	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003	0.07	0.3	0.08	0.1	0.06	0.8	NA	0.6	0.2	0.008	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
097-H1	House	0.02	0.005	0.07	0.09	0.01	0.09	--	0.2	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001	0.02	0.3	0.07	0.09	0.05	0.7	NA	0.6	0.2	0.003	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
097-H2	House	0.02	0.005	0.06	0.08	0.008	0.07	--	0.2	0.01	0.002	0.0006	0.008	0.01	0.0009	0.009	--	0.02	0.001	0.02	0.3	0.06	0.08	0.04	0.7	NA	0.6	0.2	0.002	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
098-G1	Garden	0.01	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.01	--	0.009	0.0003	0.01	0.3	0.06	0.08	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.007	0.01	0.01	0.4	NA	0.2	0.1
098-H1	House	0.008	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.009	--	0.009	0.0004	0.008	0.3	0.06	0.08	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.007	0.01	0.01	0.4	NA	0.2	0.1
098-O1	Other -Not Specified	0.008	0.004	0.06	0.09	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.007	0.01	0.0004	0.009	--	0.009	0.0003	0.008	0.3	0.06	0.09	0.04	0.7	NA	0.5	0.1	0.0009	0.1	0.007	0.01	0.01	0.4	NA	0.2	0.1
099-A1	Agriculture	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009	0.02	0.3	0.08	0.08	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1

Table 5-26. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
099-G2	Garden	0.02	0.004	0.05	0.07	0.009	0.1	--	0.09	0.007	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.05	0.07	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
099-H1	House	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.007	0.002	0.01	--	0.01	0.002	0.02	0.3	0.05	0.06	0.05	0.7	NA	0.5	0.2	0.003	0.1	0.006	0.007	0.02	0.4	NA	0.2	0.1
099-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002	0.02	0.3	0.05	0.06	0.05	0.7	NA	0.5	0.2	0.002	0.1	0.006	0.007	0.02	0.4	NA	0.2	0.1
100-G1	Garden	0.02	0.005	0.08	0.1	0.006	0.1	--	0.1	0.006	0.002	0.0006	0.01	0.01	0.0007	0.01	--	0.02	0.0007	0.02	0.3	0.08	0.1	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
100-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.02	0.003	0.0006	0.009	0.009	0.002	0.01	--	0.02	0.002	0.02	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.2	0.003	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1
100-N1	Animal Activity Area	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.009	0.01	0.001	0.02	--	0.01	0.001	0.03	0.3	0.08	0.09	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
100-N2	Animal Activity Area	0.03	0.005	0.09	0.1	0.009	0.1	--	0.1	0.007	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0008	0.03	0.3	0.09	0.1	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
100-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.01	0.001	0.03	0.3	0.06	0.07	0.05	0.7	NA	0.5	0.2	0.003	0.1	0.007	0.008	0.02	0.4	NA	0.2	0.1
101-G1	Garden	0.02	0.007	0.1	0.09	0.008	0.1	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.0009	0.02	--	0.01	0.0006	0.02	0.3	0.1	0.09	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
101-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.002	0.02	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.2	0.002	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
101-O1	Other -Not Specified	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.3	0.08	0.09	0.05	0.8	NA	0.6	0.2	0.004	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
102-G1	Garden	0.02	0.007	0.1	0.1	0.008	0.2	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0006	0.02	0.3	0.1	0.1	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
102-H1	House	0.02	0.008	0.09	0.09	0.004	0.1	--	0.08	0.003	0.002	0.0009	0.01	0.01	0.0004	0.01	--	0.01	0.0003	0.02	0.3	0.09	0.09	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
103-H1	House	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001	0.03	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
103-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.001	0.03	0.3	0.06	0.07	0.05	0.8	NA	0.5	0.2	0.003	0.1	0.007	0.008	0.02	0.4	NA	0.2	0.1
104-H1	House	0.07	0.005	0.07	0.09	0.01	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002	0.07	0.3	0.07	0.09	0.05	0.8	NA	0.6	0.2	0.008	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
104-H2	House	0.06	0.004	0.06	0.08	0.01	0.1	--	0.2	0.01	0.007	0.0005	0.007	0.01	0.001	0.02	--	0.02	0.002	0.06	0.3	0.06	0.08	0.05	0.8	NA	0.6	0.2	0.007	0.1	0.007	0.01	0.02	0.4	NA	0.2	0.1
104-N1	Animal Activity Area	0.06	0.004	0.05	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.006	0.008	0.001	0.02	--	0.02	0.001	0.06	0.3	0.05	0.07	0.05	0.8	NA	0.5	0.2	0.007	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
105-H1	House	0.03	0.003	0.04	0.05	0.01	0.08	--	0.1	0.008	0.004	0.0003	0.005	0.006	0.001	0.009	--	0.01	0.001	0.03	0.3	0.04	0.05	0.05	0.7	NA	0.5	0.1	0.004	0.1	0.005	0.006	0.01	0.4	NA	0.2	0.1
105-P1	Play Area	0.03	0.002	0.03	0.04	0.03	0.08	--	0.1	0.01	0.004	0.0002	0.003	0.005	0.003	0.009	--	0.01	0.001	0.03	0.3	0.03	0.04	0.06	0.7	NA	0.5	0.1	0.004	0.1	0.003	0.005	0.02	0.4	NA	0.2	0.1
106-G1	Garden	0.01	0.006	0.07	0.06	0.005	0.08	--	0.08	0.003	0.001	0.0007	0.009	0.008	0.0006	0.009	--	0.009	0.0004	0.01	0.3	0.07	0.06	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.009	0.008	0.01	0.4	NA	0.2	0.1
106-G2	Garden	0.01	0.005	0.07	0.08	0.006	0.1	--	0.08	0.003	0.002	0.0005	0.008	0.009	0.0007	0.01	--	0.009	0.0004	0.01	0.3	0.07	0.08	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
106-H1	House	0.01	0.005	0.06	0.08	0.003	0.08	--	0.07	0.003	0.001	0.0006	0.008	0.009	0.0004	0.01	--	0.008	0.0003	0.01	0.3	0.06	0.08	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
106-O1	Other -Not Specified	0.01	0.006	0.07	0.08	0.004	0.08	--	0.07	0.002	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.008	0.0003	0.01	0.3	0.07	0.08	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
107-H1	House	0.02	0.004	0.05	0.07	0.03	0.1	--	0.1	0.01	0.002	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.001	0.02	0.3	0.05	0.07	0.06	0.8	NA	0.5	0.2	0.002	0.1	0.006	0.009	0.02	0.4	NA	0.2	0.1
108-H1	House	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0009	0.02	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
108-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.002	0.03	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.2	0.003	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
108-O2	Other -Not Specified	0.02	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.07	0.08	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
109-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.04	0.7	NA	0.4	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
110-A1	Agriculture	0.03	0.004	0.08	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.002	0.02	--	0.02	0.001	0.03	0.3	0.08	0.1	0.05	0.8	NA	0.5	0.2	0.004	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
110G	Garden	0.03	0.004	0.06	0.06	0.005	0.1	--	0.1	0.004	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0004	0.03	0.3	0.06	0.06	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
110-G1	Garden	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0004	0.008	0.01	0.001	0.02	--	0.01	0.0009	0.02	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
110-G2	Garden	0.01	0.004	0.07	0.1	0.005	0.1	--	0.09	0.004	0.002	0.0004	0.008	0.01	0.0006	0.02	--	0.01	0.0005	0.01	0.3	0.07	0.1	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
110-H1	House	0.02	0.004	0.06	0.09	0.009	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.01	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.06	0.09	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.007	0.01	0.01	0.4	NA	0.2	0.1
110-O1	Other -Not Specified	0.01	0.003	0.05	0.07	0.007	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.0008	0.01	--	0.01	0.0006	0.01	0.3	0.05	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
110-O2	Other -Not Specified	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.03	0.3	0.07	0.1	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
111-H1	House	0.02	0.004	0.06	0.07	0.004	0.08	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0005	0.01	--	0.01	0.0004	0.02	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
112G	Garden	0.09	0.008	0.08	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0009	0.009	0.009	0.005	0.02	--	0.02	0.002	0.09	0.3	0.08	0.07	0.08	0.8	NA	0.6	0.2	0.01	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1
112-G1	Garden	0.05	0.01	0.09	0.09	0.02	0.1	--	0.1	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002	0.05	0.3	0.09	0.09	0.05	0.7	NA	0.5	0.2	0.006	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
112-H1	House	0.04	0.01	0.08	0.08	0.02	0.09	--	0.1	0.02	0.005	0.001	0.009	0.01	0.002	0.01	--	0.01	0.002	0.04	0.3	0.08	0.08	0.05	0.7	NA	0.5	0.2	0.005	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
112-O1	Other -Not Specified	0.07	0.009	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.001	0.009	0.01	0.004	0.01	--	0.02	0.004	0.07	0.3	0.08	0.08	0.07	0.8	NA	0.6	0.2	0.008	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
113-G1	Garden	0.04	0.006	0.09	0.1	0.03	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.04	0.3	0.09	0.1	0.06	0.8	NA	0.6	0.2	0.005	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
113-G2	Garden	0.05	0.007	0.1	0.1	0.03	0.2	--	0.2	0.02	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.05	0.3	0.1	0.1	0.07	0.8	NA	0.6	0.2	0.006	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
113-G3	Garden	0.03	0.005	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.007	0.008	0.002	0.01	--	0.01	0.001	0.03	0.3	0.06	0.07	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.007	0.008	0.02	0.4	NA	0.2	0.1
113low	Other -Not Specified	0.08	0.006	0.08	0.1	0.02	0.2	--	0.2	0.02	0.009	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003	0.08	0.3	0.08	0.1	0.06	0.8	NA	0.6	0.2	0.009	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
113-O1	Other -Not Specified	0.03	0.005	0.08	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.01	0.002	0.03	0.3	0.08	0.09	0.06	0.8	NA	0.5	0.2	0.004	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
113up	Other -Not Specified	0.1	0.005	0.08	0.08	0.03	0.2	--	0.3	0.03	0.01	0.0005	0.009	0.009	0.004	0.02	--	0.03	0.004	0.1	0.3	0.08	0.08	0.07	0.8	NA	0.7	0.2	0.01	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1
114-G1	Garden	0.03	0.005	0.05	0.1	0.02	0.07	--	0.1	0.03	0.004	0.0005	0.006	0.01	0.002	0.009	--	0.02	0.003	0.03	0.3	0.05	0.1	0.05	0.7	NA	0.5	0.2	0.004	0.1	0.006	0.01	0.02	0.4	NA	0.2	0.1
114-H1	House	0.04	0.005	0.06	0.2	0.02	0.08	--	0.2	0.03	0.004	0.0006	0.007	0.02	0.003	0.01	--	0.02	0.004	0.04	0.3	0.06	0.2	0.06	0.7	NA	0.6	0.2	0.004	0.1	0.007	0.02	0.02	0.4	NA	0.2	0.1
114-O1	Other -Not Specified	0.03	0.006	0.06	0.2	0.02	0.08	--	0.2	0.03	0.003	0.0006	0.008	0.02	0.002	0.009	--	0.02	0.003	0.03	0.3	0.06	0.2	0.06	0.7	NA	0.6	0.2	0.003	0.1	0.008	0.02	0.02	0.4	NA	0.2	0.1
115-O1	Other -Not Specified	0.1	0.008	0.1	0.1	0.03	0.1	--	0.3	0.02	0.02	0.0009	0.01	0.01	0.004	0.01	--	0.04	0.002	0.1	0.3	0.1	0.1	0.07	0.7	NA	0.7	0.2	0.02	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
115SP	Other -Not Specified	0.09	0.005	0.08	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0006	0.009	0.01	0.007	0.02	--	0.04	0.003	0.09	0.3	0.08	0.08	0.1	0.8	NA	0.7	0.2	0.01	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
116M	House	0.06	0.004	0.07	0.1	0.05	0.07	--	0.2	0.02	0.007	0.0005	0.008	0.01	0.006	0.008	--	0.02	0.002	0.06	0.3	0.07	0.1	0.09	0.7	NA	0.6	0.2	0.007	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
116-O1	Other -Not Specified	0.02	0.006	0.07	0.08	0.01	0.2	--	0.1	0.01	0.002	0.0007	0.009	0.01	0.002	0.02	--	0.01	0.001	0.02	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
117-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.002	0.004	0.001	0.02	0.02	0.0005	0.02	--	0.01	0.0002	0.03	0.3	0.1	0.1	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.02	0.02	0.01	0.4	NA	0.2	0.1
118-G1	Garden	0.01	0.005	0.08	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.02	--	0.01	0.0004	0.01	0.3	0.08	0.09	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
118-G2	Garden	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003	0.01	0.3	0.06	0.07	0.04	0.8	NA	0.5	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
118-H1	House	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.01	0.0005	0.01	--	0.009	0.0004	0.01	0.3	0.06	0.08	0.04	0.8	NA	0.5	0.1	0.001	0.1	0.007	0.01	0.01	0.4	NA	0.2	0.1
118-N1	Animal Activity Area	0.02	0.004	0.05	0.07	0.007	0.1	--	0.08	0.007	0.002	0.0004	0.006	0.008	0.0009	0.02	--	0.009	0.0008	0.02	0.3	0.05	0.07	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
118-N2	Animal Activity Area	0.02	0.003	0.05	0.07	0.01	0.2	--	0.09	0.01	0.003	0.0004	0.006	0.008	0.001	0.02	--	0.01	0.001	0.02	0.3	0.05	0.07	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.006	0.008	0.02	0.4	NA	0.2	0.1
119-P1	Play Area	0.09	0.004	0.08	0.08	0.04	0.2	--	0.2	0.03	0.01	0.0005	0.009	0.01	0.004	0.02	--	0.03	0.003	0.09	0.3	0.08	0.08	0.07	0.9	NA	0.6	0.2	0.01	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
120-A1	Agriculture	0.02	0.01	0.07	0.06	0.008	0.07	--	0.07	0.007	0.003	0.001	0.008	0.007	0.0009	0.009	--	0.009	0.0009	0.02	0.3	0.07	0.06	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.008	0.007	0.01	0.4	NA	0.2	0.1
120-G1	Garden	0.02	0.008	0.03	0.04	0.01	0.07	--	0.07	0.01	0.002	0.0009	0.004	0.005	0.001	0.008	--	0.008	0.001	0.02	0.3	0.03	0.04	0.05	0.7	NA	0.5	0.2	0.002	0.1	0.004	0.005	0.01	0.4	NA	0.2	0.1
120-H1	House	0.02	0.007	0.05	0.05	0.01	0.07	--	0.07	0.008	0.003	0.0008	0.005	0.006	0.001	0.008	--	0.009	0.0009	0.02	0.3	0.05	0.05	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.005	0.006	0.02	0.4	NA	0.2	0.1
120-O1	Other -Not Specified	0.03	0.01	0.05	0.06	0.01	0.09	--	0.09	0.01	0.004	0.001	0.006	0.006	0.002	0.01	--	0.01	0.001	0.03	0.3	0.05	0.06	0.05	0.7	NA	0.5	0.1	0.004	0.1	0.006	0.006	0.02	0.4	NA	0.2	0.1
121-G1	Garden	0.02	0.006	0.07	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.008	0.01	0.0008	0.01	--	0.01	0.0004	0.02	0.3	0.07	0.09	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1

Table 5-26. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**															
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**															
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																				
121-H1	House	0.02	0.005	0.07	0.08	0.009	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0007	0.02	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
121-N1	Animal Activity Area	0.02	0.005	0.07	0.09	0.006	0.1	--	0.09	0.003	0.002	0.0006	0.008	0.01	0.0007	0.01	--	0.01	0.0004	0.02	0.3	0.07	0.09	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
121-N2	Animal Activity Area	0.02	0.005	0.07	0.09	0.009	0.1	--	0.1	0.005	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0006	0.02	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
122-G1	Garden	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.06	0.07	0.05	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
122-G2	Garden	0.02	0.004	0.06	0.07	0.008	0.09	--	0.09	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
122-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.002	0.0005	0.009	0.01	0.001	0.02	--	0.01	0.002	0.02	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.2	0.002	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
122-H2	House	0.01	0.004	0.06	0.08	0.009	0.1	--	0.09	0.008	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009	0.01	0.3	0.06	0.08	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
122-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.03	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.2	0.003	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
122-O2	Other -Not Specified	0.04	0.004	0.07	0.09	0.03	0.1	--	0.2	0.03	0.005	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.003	0.04	0.3	0.07	0.09	0.06	0.8	NA	0.6	0.2	0.005	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
122-P1	Play Area	0.04	0.004	0.07	0.09	0.04	0.2	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.02	--	0.02	0.004	0.04	0.3	0.07	0.09	0.07	0.8	NA	0.6	0.2	0.004	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
123-G1	Garden	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.04	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.2	0.004	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
123-G2	Garden	0.04	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.01	0.001	0.04	0.3	0.09	0.09	0.05	0.8	NA	0.5	0.2	0.004	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
123-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.009	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001	0.03	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
123-O1	Other -Not Specified	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001	0.03	0.3	0.1	0.1	0.05	0.9	NA	0.5	0.2	0.003	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
123-O2	Other -Not Specified	0.05	0.007	0.1	0.1	0.04	0.2	--	0.2	0.03	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.05	0.3	0.1	0.1	0.07	0.8	NA	0.6	0.2	0.006	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
124-G1	Garden	0.01	0.007	0.09	0.1	0.005	0.09	--	0.1	0.006	0.002	0.0009	0.01	0.01	0.0006	0.01	--	0.01	0.0006	0.01	0.3	0.09	0.1	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
124-G2	Garden	0.04	0.01	0.2	0.1	0.02	0.1	--	0.2	0.01	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.002	0.04	0.4	0.2	0.1	0.05	0.8	NA	0.6	0.2	0.004	0.1	0.02	0.02	0.02	0.4	NA	0.2	0.1
124-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.007	0.004	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0008	0.03	0.3	0.2	0.2	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.02	0.02	0.01	0.4	NA	0.2	0.1
124-N1	Animal Activity Area	0.02	0.009	0.08	0.07	0.005	0.07	--	0.09	0.005	0.002	0.001	0.009	0.008	0.0006	0.008	--	0.01	0.0005	0.02	0.3	0.08	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.009	0.008	0.01	0.4	NA	0.2	0.1
124-N2	Animal Activity Area	0.01	0.005	0.07	0.1	0.001	0.08	--	0.07	0.001	0.001	0.0006	0.008	0.01	0.0002	0.01	--	0.008	0.0001	0.01	0.3	0.07	0.1	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
124-O1	Other -Not Specified	0.03	0.01	0.2	0.1	0.01	0.2	--	0.2	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002	0.03	0.4	0.2	0.1	0.05	0.8	NA	0.6	0.2	0.004	0.1	0.02	0.02	0.02	0.4	NA	0.2	0.1
125-O1	Other -Not Specified	0.02	0.007	0.09	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0008	0.01	0.01	0.001	0.01	--	0.01	0.001	0.02	0.3	0.09	0.09	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
126-A1	Agriculture	0.02	0.003	0.04	0.07	0.008	0.09	--	0.09	0.007	0.002	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.04	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.005	0.008	0.01	0.4	NA	0.2	0.1
126-G1	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.004	0.003	0.0005	0.007	0.01	0.0008	0.01	--	0.01	0.0005	0.02	0.3	0.06	0.08	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.007	0.01	0.01	0.4	NA	0.2	0.1
126-G2	Garden	0.02	0.004	0.05	0.07	0.008	0.1	--	0.08	0.006	0.002	0.0004	0.006	0.008	0.0009	0.01	--	0.01	0.0007	0.02	0.3	0.05	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
126-H1	House	0.01	0.003	0.04	0.06	0.004	0.07	--	0.06	0.003	0.001	0.0003	0.005	0.007	0.0004	0.008	--	0.007	0.0004	0.01	0.3	0.04	0.06	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.005	0.007	0.01	0.4	NA	0.2	0.1
126-O1	Other -Not Specified	0.02	0.003	0.05	0.07	0.007	0.09	--	0.08	0.005	0.002	0.0004	0.005	0.008	0.0008	0.01	--	0.01	0.0006	0.02	0.3	0.05	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.005	0.008	0.01	0.4	NA	0.2	0.1
126-O2	Other -Not Specified	0.01	0.003	0.04	0.07	0.006	0.07	--	0.07	0.003	0.002	0.0003	0.005	0.008	0.0007	0.008	--	0.008	0.0004	0.01	0.3	0.04	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.005	0.008	0.01	0.4	NA	0.2	0.1
126-O3	Other -Not Specified	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.005	0.002	0.0005	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.02	0.3	0.06	0.08	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
126-P1	Play Area	0.01	0.003	0.04	0.06	0.005	0.05	--	0.1	0.003	0.002	0.0003	0.005	0.007	0.0006	0.005	--	0.01	0.0004	0.01	0.3	0.04	0.06	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.005	0.007	0.01	0.4	NA	0.2	0.1
127-A1	Agriculture	0.03	0.004	0.07	0.09	0.02	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.003	0.02	--	0.02	0.002	0.03	0.3	0.07	0.09	0.06	0.8	NA	0.5	0.2	0.004	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
127-G1	Garden	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
127-G2	Garden	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009	0.02	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
127-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.001	0.02	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.2	0.003	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
127-H2	House	0.01	0.005	0.06	0.08	0.007	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006	0.01	0.3	0.06	0.08	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
127-N1	Animal Activity Area	0.02	0.003	0.05	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0004	0.006	0.009	0.002	0.01	--	0.01	0.001	0.02	0.3	0.05	0.08	0.05	0.8	NA	0.5	0.2	0.003	0.1	0.006	0.009	0.02	0.4	NA	0.2	0.1
128-G1	Garden	0.05	0.01	0.1	0.1	0.008	0.1	--	0.1	0.006	0.006	0.001	0.01	0.01	0.0009	0.02	--	0.02	0.0007	0.05	0.4	0.1	0.1	0.04	0.8	NA	0.5	0.1	0.006	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
128-G2	Garden	0.05	0.02	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.002	0.01	0.01	0.001	0.02	--	0.02	0.001	0.05	0.4	0.1	0.09	0.05	0.8	NA	0.5	0.1	0.005	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
128-G3	Garden	0.03	0.008	0.1	0.1	0.006	0.1	--	0.1	0.004	0.004	0.0009	0.01	0.01	0.0007	0.02	--	0.02	0.0005	0.03	0.3	0.1	0.1	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
128-N1	Animal Activity Area	0.05	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.1	0.005	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
128-O1	Other -Not Specified	0.04	0.02	0.09	0.1	0.01	0.1	--	0.1	0.007	0.004	0.002	0.01	0.01	0.001	0.02	--	0.02	0.0009	0.04	0.4	0.09	0.1	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
129-H1	House	0.05	0.004	0.05	0.08	0.04	0.07	--	0.2	0.02	0.006	0.0004	0.006	0.009	0.004	0.008	--	0.02	0.002	0.05	0.3	0.05	0.08	0.07	0.7	NA	0.6	0.2	0.006	0.1	0.006	0.009	0.02	0.4	NA	0.2	0.1
129-H2	House	0.05	0.003	0.05	0.07	0.04	0.08	--	0.2	0.02	0.005	0.0004	0.006	0.008	0.004	0.009	--	0.02	0.003	0.05	0.3	0.05	0.07	0.07	0.7	NA	0.6	0.2	0.005	0.1	0.006	0.008	0.02	0.4	NA	0.2	0.1
130-G1	Garden	0.01	0.004	0.05	0.07	0.006	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0006	0.01	--	0.008	0.0005	0.01	0.3	0.05	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
130-H1	House	0.008	0.004	0.05	0.08	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.006	0.009	0.0003	0.008	--	0.008	0.0003	0.008	0.3	0.05	0.08	0.04	0.7	NA	0.5	0.1	0.0009	0.1	0.006	0.009	0.01	0.4	NA	0.2	0.1
130-H2	House	0.02	0.005	0.07	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0007	0.02	0.3	0.07	0.09	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
131-H1	House	0.03	0.005	0.07	0.09	0.01	0.09	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.002	0.03	0.3	0.07	0.09	0.05	0.7	NA	0.5	0.2	0.003	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
132-G1	Garden	0.01	0.004	0.06	0.08	0.003	0.06	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.007	--	0.008	0.0003	0.01	0.3	0.06	0.08	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
132-G2	Garden	0.009	0.004	0.07	0.09	0.002	0.08	--	0.07	0.001	0.001	0.0005	0.008	0.01	0.0002	0.009	--	0.008	0.0001	0.009	0.3	0.07	0.09	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
132-H1	House	0.01	0.004	0.05	0.07	0.004	0.07	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.008	--	0.009	0.0004	0.01	0.3	0.05	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
132-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0004	0.01	0.3	0.07	0.09	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
133-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.1	--	0.2	0.02	0.005	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002	0.05	0.3	0.07	0.09	0.06	0.8	NA	0.6	0.2	0.005	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
133-H1	House	0.03	0.02	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.002	0.008	0.01	0.001	0.01	--	0.01	0.001	0.03	0.4	0.07	0.08	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
134-O1	Other -Not Specified	0.1	0.004	0.07	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0005	0.008	0.01	0.007	0.01	--	0.04	0.004	0.1	0.3	0.07	0.08	0.1	0.8	NA	0.7	0.2	0.01	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
135-G1	Garden	0.05	0.005	0.07	0.07	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.02	--	0.02	0.001	0.05	0.3	0.07	0.07	0.05	0.8	NA	0.5	0.1	0.006	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
135-H1	House	0.05	0.005	0.07	0.09	0.01	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.002	0.05	0.3	0.07	0.09	0.05	0.8	NA	0.6	0.2	0.006	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
135-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.001	0.05	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.1	0.006	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
136-A1	Agriculture	0.02	0.005	0.06	0.08	0.01	0.08	--	0.09	0.005	0.002	0.0006	0.007	0.009	0.001	0.009	--	0.01	0.0005	0.02	0.3	0.06	0.08	0.05	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
136-G1	Garden	0.01	0.005	0.06	0.07	0.007	0.08	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0008	0.01	--	0.01	0.0005	0.01	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
136-H1	House	0.02	0.005	0.06	0.07	0.009	0.07	--	0.09	0.005	0.002	0.0006	0.006	0.008	0.001	0.008	--	0.01	0.0006	0.02	0.3	0.06	0.07	0.05	0.7	NA	0.5	0.1	0.002	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
136-O1	Other -Not Specified	0.02	0.003	0.04	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.005	0.007	0.003	0.01	--	0.02	0.002	0.02	0.3	0.04	0.06	0.06	0.7	NA	0.5	0.2	0.002	0.1	0.005	0.007	0.02	0.4	NA	0.2	0.1
137-O1	Other -Not Specified	0.02	0.003	0.04	0.05	0.02	0.09	--	0.1	0.02	0.002	0.0003	0.005	0.006	0.002	0.01	--	0.01	0.002	0.02	0.3	0.04	0.05	0.06	0.7	NA	0.5	0.2	0.002	0.1	0.005	0.006	0.02	0.4	NA	0.2	0.1
137-O2	Other -Not Specified	0.02	0.003	0.05	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.002	0.02	0.3	0.05	0.06	0.05	0.7	NA	0.5	0.2	0.002	0.1	0.006	0.008	0.02	0.4	NA	0.2	0.1
138-G1	Garden	0.02	0.008	0.09	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.001	0.02	0.3	0.09	0.08	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
138-G2	Garden	0.02	0.009	0.09	0.08	0.01	0.1	--	0.08	0.009	0.002	0.001	0.01	0.009	0.001	0.02	--	0.01	0.001	0.02	0.3	0.09	0.08	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.01	0.009	0.02	0.4	NA	0.2	0.1
138-H1	House	0.02	0.009	0.09	0.1	0.009	0.1	--	0.1	0.007	0.002	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0008	0.02	0.3	0.09	0.1	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
138-O1	Other -Not Specified	0.01	0.007	0.08	0.1	0.006	0.1	--	0.09	0.005	0.002	0.0008	0.009	0.01	0.0007	0.01	--	0.01	0.0006	0.01	0.3	0.08	0.1	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1

Table 5-26. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
138-O2	Other -Not Specified	0.02	0.01	0.08	0.08	0.01	0.1	--	0.09	0.02	0.003	0.001	0.009	0.009	0.001	0.01	--	0.01	0.002	0.02	0.3	0.08	0.08	0.05	0.7	NA	0.5	0.2	0.003	0.1	0.009	0.009	0.01	0.4	NA	0.2	0.1
139-G1	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0006	0.02	0.3	0.08	0.08	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
139-G2	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0009	0.01	--	0.01	0.0006	0.02	0.3	0.08	0.08	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
139-H1	House	0.02	0.004	0.07	0.07	0.006	0.1	--	0.09	0.006	0.002	0.0005	0.009	0.009	0.0007	0.01	--	0.01	0.0007	0.02	0.3	0.07	0.07	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.009	0.009	0.01	0.4	NA	0.2	0.1
139-N1	Animal Activity Area	0.02	0.004	0.08	0.08	0.008	0.1	--	0.1	0.006	0.002	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.0007	0.02	0.3	0.08	0.08	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
140-G1	Garden	0.09	0.004	0.07	0.09	0.05	0.2	--	0.2	0.02	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.003	0.09	0.3	0.07	0.09	0.08	0.9	NA	0.6	0.2	0.01	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
140-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.04	0.7	NA	0.4	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
140-O1	Other -Not Specified	0.2	0.004	0.07	0.08	0.06	0.2	--	0.4	0.04	0.02	0.0005	0.008	0.01	0.008	0.02	--	0.04	0.005	0.2	0.3	0.07	0.08	0.1	0.8	NA	0.7	0.2	0.02	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
140-O2[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.04	0.7	NA	0.4	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
141-A1	Agriculture	0.03	0.009	0.1	0.1	0.008	0.2	--	0.1	0.006	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0006	0.03	0.3	0.1	0.1	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.02	0.02	0.01	0.4	NA	0.2	0.1
141-H1	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.001	0.01	0.01	0.001	0.01	--	0.01	0.0008	0.03	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
141-H2	House	0.04	0.01	0.2	0.1	0.02	0.2	--	0.1	0.01	0.005	0.001	0.02	0.02	0.002	0.02	--	0.02	0.001	0.04	0.3	0.2	0.1	0.05	0.8	NA	0.5	0.1	0.005	0.1	0.02	0.02	0.02	0.4	NA	0.2	0.1
141-H3	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.008	0.004	0.001	0.01	0.02	0.001	0.02	--	0.01	0.001	0.03	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.02	0.01	0.4	NA	0.2	0.1
141-N1	Animal Activity Area	0.02	0.006	0.08	0.1	0.007	0.1	--	0.08	0.005	0.002	0.0007	0.01	0.01	0.0008	0.01	--	0.009	0.0006	0.02	0.3	0.08	0.1	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
141-N2	Animal Activity Area	0.04	0.009	0.1	0.1	0.01	0.2	--	0.1	0.007	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0008	0.04	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.02	0.02	0.02	0.4	NA	0.2	0.1
141-N3	Animal Activity Area	0.01	0.004	0.05	0.06	0.004	0.05	--	0.09	0.002	0.001	0.0004	0.006	0.007	0.0005	0.006	--	0.01	0.0003	0.01	0.3	0.05	0.06	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.006	0.007	0.01	0.4	NA	0.2	0.1
141-N4	Animal Activity Area	0.03	0.009	0.1	0.1	0.009	0.1	--	0.1	0.006	0.004	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0007	0.03	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
141-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.02	0.001	0.02	--	0.01	0.0008	0.03	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.02	0.01	0.4	NA	0.2	0.1
142-H1	House	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.02	0.001	0.03	0.3	0.08	0.09	0.05	0.8	NA	0.5	0.2	0.003	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
142-O1	Other -Not Specified	0.02	0.005	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.001	0.02	0.3	0.08	0.1	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
143-A1	Agriculture	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007	0.02	0.3	0.06	0.07	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
143-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.06	0.07	0.05	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
143-G2	Garden	0.02	0.004	0.07	0.07	0.007	0.1	--	0.1	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006	0.02	0.3	0.07	0.07	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
143-H1	House	0.02	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009	0.02	0.3	0.06	0.08	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
144-G1	Garden	0.04	0.005	0.08	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.3	0.08	0.08	0.05	0.8	NA	0.6	0.2	0.004	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
144-H1	House	0.04	0.004	0.07	0.08	0.02	0.1	--	0.2	0.02	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.04	0.3	0.07	0.08	0.05	0.8	NA	0.6	0.2	0.004	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
145-A1	Agriculture	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.02	--	0.01	0.001	0.02	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
145-H1	House	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002	0.04	0.3	0.08	0.09	0.05	0.8	NA	0.6	0.2	0.004	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
146G	Garden	0.03	0.007	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0008	0.01	0.01	0.0007	0.02	--	0.02	0.0005	0.03	0.3	0.1	0.1	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
146-H1	House	0.2	0.004	0.07	0.09	0.1	0.2	--	0.7	0.2	0.02	0.0005	0.009	0.01	0.01	0.03	--	0.08	0.02	0.2	0.3	0.07	0.09	0.2	0.9	NA	1	0.3	0.02	0.1	0.009	0.01	0.03	0.4	NA	0.2	0.2
147-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0007	0.02	0.3	0.08	0.09	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
147-G2	Garden	0.02	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.001	0.02	0.3	0.08	0.09	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
147-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0006	0.008	0.01	0.001	0.02	--	0.01	0.001	0.02	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
148-H1	House	0.01	0.004	0.06	0.07	0.004	0.07	--	0.08	0.004	0.001	0.0005	0.007	0.009	0.0005	0.008	--	0.009	0.0005	0.01	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
148-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.08	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.01	0.3	0.07	0.09	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
148-O3	Other -Not Specified	0.03	0.005	0.07	0.09	0.01	0.08	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.009	--	0.02	0.001	0.03	0.3	0.07	0.09	0.05	0.7	NA	0.5	0.2	0.003	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
149-A1	Agriculture	0.04	0.05	0.3	0.2	0.02	0.2	--	0.3	0.05	0.005	0.006	0.03	0.02	0.002	0.02	--	0.03	0.006	0.04	0.4	0.3	0.2	0.05	0.8	NA	0.7	0.2	0.005	0.1	0.03	0.02	0.02	0.4	NA	0.2	0.1
149-G1	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.03	0.4	0.2	0.2	0.05	0.8	NA	0.6	0.2	0.004	0.1	0.02	0.02	0.02	0.4	NA	0.2	0.1
149-G2	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.03	0.4	0.2	0.2	0.05	0.8	NA	0.6	0.2	0.004	0.1	0.02	0.02	0.02	0.4	NA	0.2	0.1
149-H1	House	0.04	0.03	0.2	0.1	0.02	0.2	--	0.2	0.03	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.04	0.4	0.2	0.1	0.05	0.8	NA	0.6	0.2	0.004	0.1	0.02	0.02	0.02	0.4	NA	0.2	0.1
149-N1	Animal Activity Area	0.02	0.02	0.2	0.1	0.01	0.1	--	0.2	0.02	0.003	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002	0.02	0.4	0.2	0.1	0.05	0.8	NA	0.6	0.2	0.003	0.1	0.02	0.02	0.01	0.4	NA	0.2	0.1
150-G1	Garden	0.01	0.004	0.05	0.07	0.005	0.08	--	0.08	0.004	0.002	0.0005	0.006	0.009	0.0006	0.009	--	0.01	0.0004	0.01	0.3	0.05	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.006	0.009	0.01	0.4	NA	0.2	0.1
150-H1	House	0.01	0.005	0.06	0.07	0.005	0.08	--	0.07	0.004	0.001	0.0005	0.007	0.009	0.0005	0.009	--	0.008	0.0004	0.01	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
151-H1	House	0.02	0.006	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.008	0.01	0.001	0.01	--	0.01	0.001	0.02	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
152-G1	Garden	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001	0.03	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.2	0.004	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
152-H1	House	0.04	0.007	0.08	0.07	0.02	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.008	0.002	0.01	--	0.02	0.002	0.04	0.3	0.08	0.07	0.06	0.8	NA	0.5	0.2	0.004	0.1	0.009	0.008	0.02	0.4	NA	0.2	0.1
153-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.2	--	0.1	0.01	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.05	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.1	0.005	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
153-H1	House	0.08	0.006	0.09	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0007	0.01	0.01	0.004	0.02	--	0.03	0.004	0.08	0.3	0.09	0.09	0.07	0.8	NA	0.6	0.2	0.009	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
153-O1	Other -Not Specified	0.04	0.005	0.08	0.08	0.03	0.3	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.03	--	0.02	0.003	0.04	0.3	0.08	0.08	0.07	0.9	NA	0.6	0.2	0.004	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
153-O2	Other -Not Specified	0.04	0.003	0.04	0.05	0.05	0.1	--	0.2	0.03	0.005	0.0003	0.004	0.006	0.006	0.02	--	0.02	0.003	0.04	0.3	0.04	0.05	0.09	0.8	NA	0.6	0.2	0.005	0.1	0.004	0.006	0.02	0.4	NA	0.2	0.1
153-O3	Other -Not Specified	0.07	0.005	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	0.0006	0.009	0.01	0.004	0.02	--	0.02	0.002	0.07	0.3	0.08	0.1	0.07	0.9	NA	0.6	0.2	0.008	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
153-O5	Other -Not Specified	0.08	0.005	0.07	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0005	0.008	0.01	0.004	0.02	--	0.03	0.003	0.08	0.3	0.07	0.09	0.07	0.9	NA	0.6	0.2	0.009	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
153-O6	Other -Not Specified	0.05	0.005	0.08	0.1	0.02	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.001	0.05	0.3	0.08	0.1	0.05	0.8	NA	0.6	0.2	0.006	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
153-O7	Other -Not Specified	0.08	0.005	0.08	0.09	0.05	0.2	--	0.2	0.04	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.005	0.08	0.3	0.08	0.09	0.08	0.9	NA	0.6	0.2	0.01	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
153-P1	Play Area	0.07	0.005	0.09	0.09	0.04	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.03	--	0.03	0.004	0.07	0.3	0.09	0.09	0.07	0.9	NA	0.6	0.2	0.009	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
154-G1	Garden	0.01	0.006	0.08	0.09	0.003	0.1	--	0.09	0.003	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.01	0.0003	0.01	0.3	0.08	0.09	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
154-H1	House	0.01	0.005	0.07	0.07	0.007	0.07	--	0.08	0.003	0.001	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0004	0.01	0.3	0.07	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.008	0.008	0.01	0.4	NA	0.2	0.1
155-G1	Garden	0.04	0.004	0.07	0.07	0.02	0.1	--	0.1	0.02	0.005	0.0005	0.008	0.008	0.003	0.02	--	0.02	0.002	0.04	0.3	0.07	0.07	0.06	0.8	NA	0.5	0.2	0.005	0.1	0.008	0.008	0.02	0.4	NA	0.2	0.1
155-G2	Garden	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.001	0.02	0.3	0.07	0.08	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
155-H1	House	0.02	0.005	0.07	0.07	0.008	0.08	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006	0.02	0.3	0.07	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.008	0.01	0.4	NA	0.2	0.1
155-H2	House	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.02	0.001	0.03	0.3	0.06	0.07	0.06	0.7	NA	0.5	0.2	0.003	0.1	0.007	0.008	0.02	0.4	NA	0.2	0.1
155-O2	Other -Not Specified	0.04	0.003	0.06	0.06	0.04	0.1	--	0.2	0.02	0.005	0.0004	0.007	0.007	0.005	0.01	--	0.02	0.003	0.04	0.3	0.06	0.06	0.08	0.8	NA	0.6	0.2	0.005	0.1	0.007	0.007	0.02	0.4	NA	0.2	0.1
156-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0009	0.02	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
156-O1	Other -Not Specified	0.03	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.006	0.008	0.003	0.01	--	0.02	0.002	0.03	0.3	0.05	0.07	0.06	0.7	NA	0.5	0.2	0.004	0.1	0.006	0.008	0.02	0.4	NA	0.2	0.1
157-G1	Garden	0.02	0.005	0.07	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0008	0.009	--	0.01	0.0006	0.02	0.3	0.07	0.08	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
157-H1	House	0.02	0.005	0.07	0.08	0.01	0.07	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.002	0.009	--	0.02	0.001	0.02	0.3	0.07	0.08	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1

Table 5-26. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																	**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																			
157-H2	House	0.02	0.005	0.07	0.08	0.008	0.07	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.009	--	0.01	0.0008	0.02	0.3	0.07	0.08	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
157-O1	Other -Not Specified	0.02	0.004	0.06	0.06	0.009	0.06	--	0.09	0.007	0.002	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.0008	0.02	0.3	0.06	0.06	0.05	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.007	0.01	0.4	NA	0.2	0.1
158-H1	House	0.01	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0005	0.008	--	0.01	0.0004	0.01	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
158-O1	Other -Not Specified	0.01	0.005	0.07	0.08	0.006	0.08	--	0.1	0.004	0.001	0.0005	0.008	0.009	0.0007	0.009	--	0.01	0.0004	0.01	0.3	0.07	0.08	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
159-G1	Garden	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0008	0.02	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
159-H1	House	0.02	0.003	0.05	0.06	0.006	0.07	--	0.08	0.006	0.002	0.0004	0.005	0.007	0.0007	0.008	--	0.009	0.0007	0.02	0.3	0.05	0.06	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.005	0.007	0.01	0.4	NA	0.2	0.1
159-H2	House	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.03	0.3	0.06	0.07	0.05	0.7	NA	0.5	0.1	0.004	0.1	0.007	0.008	0.02	0.4	NA	0.2	0.1
159-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.005	0.08	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006	0.02	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
159-O2	Other -Not Specified	0.02	0.004	0.06	0.07	0.006	0.08	--	0.08	0.006	0.002	0.0005	0.007	0.008	0.0007	0.009	--	0.009	0.0007	0.02	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
160-G1	Garden	0.03	0.004	0.06	0.07	0.009	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.03	0.3	0.06	0.07	0.05	0.8	NA	0.5	0.2	0.003	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
160-H1	House	0.02	0.004	0.07	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0005	0.008	0.01	0.0007	0.01	--	0.01	0.0008	0.02	0.3	0.07	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
160-H2	House	0.02	0.005	0.07	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0006	0.02	0.3	0.07	0.09	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
161-H1	House	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.002	0.03	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.2	0.004	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
161-N1	Animal Activity Area	0.02	0.004	0.06	0.06	0.008	0.08	--	0.09	0.01	0.002	0.0005	0.007	0.007	0.0009	0.009	--	0.01	0.001	0.02	0.3	0.06	0.06	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.007	0.01	0.4	NA	0.2	0.1
162-H1	House	0.01	0.003	0.05	0.06	0.02	0.05	--	0.08	0.008	0.002	0.0003	0.006	0.008	0.002	0.006	--	0.009	0.0009	0.01	0.3	0.05	0.06	0.05	0.7	NA	0.5	0.1	0.002	0.1	0.006	0.008	0.02	0.4	NA	0.2	0.1
163G	Garden	0.09	0.005	0.07	0.08	0.02	0.2	--	0.2	0.02	0.01	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002	0.09	0.3	0.07	0.08	0.05	0.8	NA	0.6	0.2	0.01	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
163-G1	Garden	0.01	0.003	0.05	0.06	0.008	0.09	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.001	0.01	--	0.009	0.0006	0.01	0.3	0.05	0.06	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
163-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001	0.02	0.3	0.06	0.07	0.05	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.009	0.02	0.4	NA	0.2	0.1
164-H1	House	0.03	0.005	0.07	0.09	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.002	0.03	0.3	0.07	0.09	0.05	0.7	NA	0.5	0.2	0.003	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
165-H1	House	0.03	0.01	0.2	0.2	0.009	0.1	--	0.09	0.005	0.003	0.002	0.02	0.02	0.001	0.02	--	0.01	0.0006	0.03	0.4	0.2	0.2	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.02	0.02	0.01	0.4	NA	0.2	0.1
165-O1	Other -Not Specified	0.04	0.02	0.2	0.2	0.02	0.2	--	0.1	0.01	0.005	0.002	0.03	0.02	0.002	0.02	--	0.02	0.002	0.04	0.4	0.2	0.2	0.06	0.8	NA	0.5	0.2	0.005	0.1	0.03	0.02	0.02	0.4	NA	0.2	0.1
166-O1	Other -Not Specified	0.05	0.004	0.05	0.1	0.03	0.07	--	0.2	0.03	0.005	0.0004	0.006	0.01	0.003	0.008	--	0.02	0.003	0.05	0.3	0.05	0.1	0.07	0.7	NA	0.6	0.2	0.005	0.1	0.006	0.01	0.02	0.4	NA	0.2	0.1
167-O1	Other -Not Specified	0.02	0.004	0.06	0.08	0.009	0.08	--	0.1	0.01	0.002	0.0005	0.007	0.009	0.001	0.009	--	0.01	0.001	0.02	0.3	0.06	0.08	0.05	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
167-O2	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.07	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.008	--	0.02	0.001	0.02	0.3	0.05	0.07	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.006	0.008	0.02	0.4	NA	0.2	0.1
167-O3	Other -Not Specified	0.03	0.004	0.07	0.08	0.03	0.1	--	0.2	0.02	0.003	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.002	0.03	0.3	0.07	0.08	0.06	0.8	NA	0.6	0.2	0.003	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
167-O4	Other -Not Specified	0.02	0.004	0.06	0.08	0.02	0.08	--	0.2	0.01	0.003	0.0005	0.007	0.01	0.002	0.009	--	0.02	0.001	0.02	0.3	0.06	0.08	0.05	0.7	NA	0.6	0.2	0.003	0.1	0.007	0.01	0.02	0.4	NA	0.2	0.1
167-O5	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.08	--	0.2	0.01	0.003	0.0004	0.007	0.009	0.002	0.009	--	0.02	0.001	0.03	0.3	0.06	0.07	0.06	0.7	NA	0.6	0.2	0.003	0.1	0.007	0.009	0.02	0.4	NA	0.2	0.1
167-O6	Other -Not Specified	0.03	0.004	0.06	0.07	0.03	0.1	--	0.1	0.02	0.004	0.0004	0.006	0.009	0.003	0.01	--	0.02	0.002	0.03	0.3	0.06	0.07	0.06	0.8	NA	0.5	0.2	0.004	0.1	0.006	0.009	0.02	0.4	NA	0.2	0.1
167-O7	Other -Not Specified	0.06	0.004	0.06	0.08	0.05	0.1	--	0.2	0.03	0.007	0.0004	0.007	0.009	0.006	0.01	--	0.03	0.004	0.06	0.3	0.06	0.08	0.08	0.8	NA	0.6	0.2	0.007	0.1	0.007	0.009	0.02	0.4	NA	0.2	0.1
167-O8	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.08	--	0.1	0.01	0.002	0.0004	0.005	0.008	0.003	0.01	--	0.02	0.001	0.02	0.3	0.05	0.07	0.06	0.7	NA	0.5	0.2	0.002	0.1	0.005	0.008	0.02	0.4	NA	0.2	0.1
167-O9	Other -Not Specified	0.02	0.004	0.05	0.08	0.02	0.09	--	0.1	0.01	0.003	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.002	0.02	0.3	0.05	0.08	0.06	0.7	NA	0.5	0.2	0.003	0.1	0.006	0.009	0.02	0.4	NA	0.2	0.1
168-G1	Garden	0.01	0.006	0.06	0.07	0.006	0.09	--	0.08	0.008	0.001	0.0007	0.007	0.009	0.0007	0.01	--	0.01	0.0009	0.01	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
168-G2	Garden	0.01	0.007	0.07	0.08	0.007	0.1	--	0.1	0.006	0.001	0.0008	0.008	0.009	0.0008	0.01	--	0.01	0.0007	0.01	0.3	0.07	0.08	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
168-H1	House	0.009	0.005	0.06	0.08	0.004	0.07	--	0.08	0.004	0.001	0.0006	0.007	0.009	0.0005	0.009	--	0.009	0.0005	0.009	0.3	0.06	0.08	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
168-N1	Animal Activity Area	0.01	0.007	0.06	0.06	0.007	0.09	--	0.07	0.007	0.002	0.0008	0.007	0.007	0.0008	0.01	--	0.008	0.0008	0.01	0.3	0.06	0.06	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.007	0.01	0.4	NA	0.2	0.1
168-O1	Other -Not Specified	0.04	0.01	0.07	0.08	0.03	0.07	--	0.1	0.02	0.005	0.002	0.009	0.009	0.003	0.009	--	0.02	0.002	0.04	0.4	0.07	0.08	0.06	0.7	NA	0.5	0.2	0.005	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1
169A	Other -Not Specified	0.03	0.004	0.06	0.1	0.05	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.006	0.007	--	0.02	0.002	0.03	0.3	0.06	0.1	0.09	0.7	NA	0.5	0.2	0.004	0.1	0.007	0.01	0.02	0.4	NA	0.2	0.1
169-G2	Garden	0.01	0.004	0.06	0.08	0.008	0.07	--	0.08	0.006	0.002	0.0005	0.007	0.009	0.0009	0.008	--	0.009	0.0007	0.01	0.3	0.06	0.08	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
169-G3	Garden	0.02	0.006	0.08	0.1	0.01	0.1	--	0.1	0.006	0.002	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.08	0.1	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
169-G4	Garden	0.02	0.004	0.06	0.09	0.01	0.09	--	0.08	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.06	0.09	0.05	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
169-H1	House	0.01	0.004	0.05	0.07	0.007	0.08	--	0.06	0.004	0.001	0.0004	0.005	0.008	0.0009	0.01	--	0.007	0.0005	0.01	0.3	0.05	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.005	0.008	0.01	0.4	NA	0.2	0.1
170-G1	Garden	0.02	0.005	0.07	0.1	0.008	0.1	--	0.09	0.006	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0007	0.02	0.3	0.07	0.1	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
170-G2	Garden	0.02	0.005	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.01	0.002	0.02	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.2	0.003	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
170-H1	House	0.02	0.004	0.06	0.08	0.01	0.09	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0009	0.02	0.3	0.06	0.08	0.05	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
171-A1	Agriculture	0.04	0.01	0.2	0.1	0.02	0.2	--	0.2	0.02	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.003	0.04	0.4	0.2	0.1	0.06	0.8	NA	0.6	0.2	0.004	0.1	0.02	0.02	0.02	0.4	NA	0.2	0.1
171-G1	Garden	0.05	0.01	0.1	0.1	0.03	0.2	--	0.2	0.03	0.006	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003	0.05	0.3	0.1	0.1	0.07	0.9	NA	0.6	0.2	0.006	0.1	0.02	0.02	0.02	0.4	NA	0.2	0.1
171-H1	House	0.03	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.003	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.003	0.03	0.3	0.1	0.1	0.06	0.8	NA	0.6	0.2	0.003	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
172U	Other -Not Specified	0.04	0.005	0.05	0.2	0.02	0.06	--	0.2	0.04	0.005	0.0006	0.006	0.02	0.003	0.007	--	0.02	0.004	0.04	0.3	0.05	0.2	0.06	0.7	NA	0.6	0.2	0.005	0.1	0.006	0.02	0.02	0.4	NA	0.2	0.1
173-G1	Garden	0.02	0.006	0.07	0.1	0.007	0.1	--	0.09	0.005	0.002	0.0008	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.02	0.3	0.07	0.1	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
173-G2	Garden	0.01	0.006	0.07	0.1	0.003	0.07	--	0.07	0.002	0.001	0.0007	0.008	0.01	0.0003	0.008	--	0.008	0.0002	0.01	0.3	0.07	0.1	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
173-G3	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0009	0.008	0.01	0.001	0.01	--	0.01	0.001	0.03	0.3	0.07	0.1	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
173-G4	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0009	0.008	0.01	0.002	0.01	--	0.01	0.001	0.03	0.3	0.07	0.1	0.05	0.8	NA	0.5	0.2	0.004	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
173-G5	Garden	0.02	0.006	0.08	0.1	0.005	0.1	--	0.08	0.003	0.002	0.0007	0.01	0.01	0.0006	0.01	--	0.01	0.0003	0.02	0.3	0.08	0.1	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
173-H1	House	0.03	0.006	0.06	0.08	0.01	0.09	--	0.1	0.01	0.003	0.0007	0.007	0.009	0.002	0.01	--	0.01	0.002	0.03	0.3	0.06	0.08	0.05	0.7	NA	0.5	0.2	0.003	0.1	0.007	0.009	0.02	0.4	NA	0.2	0.1
173-P1	Play Area	0.03	0.006	0.07	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0007	0.008	0.01	0.002	0.01	--	0.02	0.002	0.03	0.3	0.07	0.09	0.06	0.8	NA	0.5	0.2	0.004	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
174-A1	Agriculture	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.001	0.03	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
174-G1	Garden	0.03	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.03	--	0.02	0.001	0.03	0.3	0.09	0.09	0.05	0.9	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
174-H1	House	0.04	0.008	0.1	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002	0.04	0.3	0.1	0.08	0.06	0.8	NA	0.6	0.2	0.004	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
174M	House	0.01	0.004	0.06	0.06	0.002	0.06	--	0.07	0.004	0.002	0.0005	0.007	0.007	0.0003	0.007	--	0.008	0.0005	0.01	0.3	0.06	0.06	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.007	0.01	0.4	NA	0.2	0.1
175-G1	Garden	0.02	0.004	0.05	0.06	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.001	0.02	0.3	0.05	0.06	0.05	0.7	NA	0.5	0.1	0.002	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
175-G2	Garden	0.01	0.004	0.05	0.06	0.005	0.06	--	0.07	0.003	0.001	0.0004	0.005	0.007	0.0006	0.007	--	0.008	0.0004	0.01	0.3	0.05	0.06	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.005	0.007	0.01	0.4	NA	0.2	0.1
175-H1	House	0.01	0.003	0.04	0.06	0.01	0.08	--	0.09	0.008	0.002	0.0004	0.005	0.007	0.001	0.009	--	0.01	0.001	0.01	0.3	0.04	0.06	0.05	0.7	NA	0.5	0.1	0.002	0.1	0.005	0.007	0.01	0.4	NA	0.2	0.1
176-A1	Agriculture	0.02	0.005	0.07	0.07	0.009	0.09	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006	0.02	0.3	0.07	0.07	0.05	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.008	0.01	0.4	NA	0.2	0.1
176G	Garden	0.05	0.005	0.06	0.06	0.02	0.1	--	0.1	0.01	0.006	0.0006	0.007	0.007	0.002	0.01	--	0.02	0.002	0.05	0.3	0.06	0.06	0.05	0.7	NA	0.5	0.2	0.006	0.1	0.007	0.007	0.02	0.4	NA	0.2	0.1
176-H1	House	0.02	0.004	0.06	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0007	0.02	0.3	0.06	0.08	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
176-H2	House	0.02	0.005	0.06	0.07	0.007	0.08	--	0.1	0.004	0.002	0.0006	0.008	0.009	0.0009	0.009	--	0.01	0.0005	0.02	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
176M	House	0.05	0.004	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0005	0.006	0.007	0.002	0.01	--	0.02	0.003	0.05	0.3	0.05	0.06	0.06	0.8	NA	0.6	0.2	0.006	0.1	0.006	0.007	0.02	0.4	NA	0.2	0.1

Table 5-26. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																					
176-P1	Play Area	0.02	0.004	0.05	0.08	0.006	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.009	0.0007	0.01	--	0.01	0.0006	0.02	0.3	0.05	0.08	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.006	0.009	0.01	0.4	NA	0.2	0.1
178-H1	House	0.02	0.005	0.08	0.1	0.005	0.1	--	0.1	0.003	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0004	0.02	0.3	0.08	0.1	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
179-H1	House	0.03	0.006	0.07	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0008	0.008	0.01	0.001	0.02	--	0.01	0.001	0.03	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
180-H1	House	0.07	0.005	0.07	0.09	0.05	0.09	--	0.3	0.02	0.009	0.0005	0.008	0.01	0.005	0.01	--	0.03	0.002	0.07	0.3	0.07	0.09	0.08	0.7	NA	0.7	0.2	0.009	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
180-H2[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.04	0.7	NA	0.4	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
180-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.08	0.1	--	0.3	0.02	0.006	0.0005	0.008	0.01	0.009	0.01	--	0.04	0.003	0.05	0.3	0.07	0.09	0.1	0.7	NA	0.7	0.2	0.006	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
181-A1	Agriculture	0.06	0.006	0.08	0.09	0.01	0.2	--	0.2	0.01	0.007	0.0008	0.009	0.01	0.002	0.02	--	0.02	0.001	0.06	0.3	0.08	0.09	0.05	0.8	NA	0.6	0.1	0.007	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
181-G1	Garden	0.04	0.005	0.07	0.08	0.008	0.1	--	0.1	0.004	0.005	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0005	0.04	0.3	0.07	0.08	0.04	0.8	NA	0.5	0.1	0.005	0.1	0.009	0.009	0.01	0.4	NA	0.2	0.1
181-G2	Garden	0.06	0.007	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.3	0.09	0.09	0.05	0.8	NA	0.6	0.1	0.007	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
181-H1	House	0.06	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.3	0.09	0.09	0.05	0.8	NA	0.6	0.2	0.007	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
181-H2	House	0.07	0.007	0.1	0.1	0.02	0.2	--	0.2	0.01	0.009	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.3	0.1	0.1	0.05	0.9	NA	0.6	0.2	0.009	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
181-N1	Animal Activity Area	0.08	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.009	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002	0.08	0.3	0.09	0.09	0.05	0.9	NA	0.6	0.2	0.009	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
181-N2	Animal Activity Area	0.06	0.006	0.08	0.09	0.02	0.2	--	0.2	0.01	0.008	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.06	0.3	0.08	0.09	0.06	0.8	NA	0.6	0.2	0.008	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
181-O1	Other -Not Specified	0.04	0.007	0.09	0.09	0.008	0.1	--	0.1	0.006	0.004	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0007	0.04	0.3	0.09	0.09	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
182-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.2	--	0.2	0.03	0.004	0.001	0.01	0.01	0.003	0.02	--	0.02	0.003	0.04	0.3	0.1	0.1	0.06	0.8	NA	0.6	0.2	0.004	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
182-G2	Garden	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.03	0.008	0.001	0.02	0.01	0.003	0.03	--	0.03	0.003	0.07	0.3	0.1	0.1	0.06	0.9	NA	0.6	0.2	0.008	0.1	0.02	0.01	0.02	0.4	NA	0.2	0.1
182-H1	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.2	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.03	0.3	0.1	0.1	0.05	0.8	NA	0.6	0.2	0.003	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
182-H2	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.03	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.2	0.003	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
182-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.03	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.2	0.003	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
182-O2	Other -Not Specified	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	0.001	0.01	0.01	0.003	0.03	--	0.02	0.003	0.07	0.3	0.1	0.1	0.06	0.9	NA	0.6	0.2	0.009	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
182-O3	Other -Not Specified	0.03	0.01	0.09	0.08	0.02	0.2	--	0.2	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.003	0.03	0.3	0.09	0.08	0.06	0.8	NA	0.6	0.2	0.004	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
184-H1	House	0.05	0.003	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0004	0.006	0.007	0.003	0.01	--	0.02	0.002	0.05	0.3	0.05	0.06	0.06	0.7	NA	0.6	0.2	0.006	0.1	0.006	0.007	0.02	0.4	NA	0.2	0.1
185-A1	Agriculture	0.02	0.009	0.08	0.08	0.01	0.08	--	0.1	0.008	0.003	0.001	0.009	0.009	0.002	0.009	--	0.02	0.0009	0.02	0.3	0.08	0.08	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1
185G	Garden	0.05	0.008	0.1	0.1	0.007	0.1	--	0.2	0.004	0.006	0.0009	0.02	0.01	0.0008	0.02	--	0.02	0.0005	0.05	0.3	0.1	0.1	0.04	0.8	NA	0.6	0.1	0.006	0.1	0.02	0.01	0.01	0.4	NA	0.2	0.1
185-H1	House	0.02	0.008	0.07	0.09	0.01	0.09	--	0.1	0.008	0.003	0.0009	0.009	0.01	0.001	0.01	--	0.02	0.0009	0.02	0.3	0.07	0.09	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
186-O1	Other -Not Specified	0.05	0.004	0.06	0.1	0.03	0.07	--	0.2	0.03	0.006	0.0005	0.007	0.02	0.004	0.009	--	0.02	0.003	0.05	0.3	0.06	0.1	0.07	0.7	NA	0.6	0.2	0.006	0.1	0.007	0.02	0.02	0.4	NA	0.2	0.1
187-H1	House	0.02	0.004	0.07	0.08	0.02	0.1	--	0.1	0.01	0.002	0.0005	0.008	0.009	0.002	0.01	--	0.02	0.002	0.02	0.3	0.07	0.08	0.05	0.7	NA	0.5	0.2	0.002	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
188-A1	Agriculture	0.02	0.008	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001	0.02	0.3	0.09	0.1	0.05	0.8	NA	0.5	0.2	0.003	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
188-G1	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.01	0.002	0.03	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.2	0.003	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
188-G2	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.03	0.3	0.1	0.1	0.06	0.8	NA	0.5	0.2	0.004	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
188-G3	Garden	0.02	0.006	0.09	0.09	0.01	0.2	--	0.1	0.008	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.01	0.001	0.02	0.3	0.09	0.09	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
188-H1	House	0.01	0.01	0.08	0.09	0.007	0.1	--	0.1	0.005	0.002	0.001	0.01	0.01	0.0008	0.02	--	0.01	0.0006	0.01	0.4	0.08	0.09	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
188-P1	Play Area	0.02	0.005	0.07	0.08	0.008	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.07	0.08	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
189-G1	Garden	0.02	0.006	0.08	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.009	0.01	0.0009	0.01	--	0.01	0.0005	0.02	0.3	0.08	0.09	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
189-H1	House	0.02	0.005	0.07	0.08	0.008	0.09	--	0.1	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.07	0.08	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
189-H2	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.001	0.02	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
189-O1	Other -Not Specified	0.04	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001	0.04	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.1	0.005	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
190-G1	Garden	0.009	0.004	0.07	0.08	0.004	0.08	--	0.1	0.002	0.001	0.0005	0.008	0.009	0.0005	0.01	--	0.01	0.0002	0.009	0.3	0.07	0.08	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
190-H1	House	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.005	0.001	0.0005	0.007	0.008	0.0006	0.01	--	0.008	0.0005	0.01	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
190-N1	Animal Activity Area	0.01	0.005	0.07	0.09	0.005	0.1	--	0.08	0.003	0.001	0.0005	0.008	0.01	0.0005	0.01	--	0.009	0.0004	0.01	0.3	0.07	0.09	0.04	0.8	NA	0.5	0.1	0.001	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
190-N2	Animal Activity Area	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003	0.01	0.3	0.06	0.08	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
190-N3	Animal Activity Area	0.009	0.004	0.06	0.08	0.003	0.09	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003	0.009	0.3	0.06	0.08	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
190-O1	Other -Not Specified	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009	0.02	0.3	0.08	0.08	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
191-H1	House	0.03	0.007	0.08	0.09	0.03	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.01	0.003	0.01	--	0.02	0.002	0.03	0.3	0.08	0.09	0.06	0.8	NA	0.5	0.2	0.004	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
192-A1	Agriculture	0.03	0.01	0.08	0.09	0.02	0.09	--	0.1	0.008	0.003	0.001	0.01	0.01	0.002	0.01	--	0.02	0.0009	0.03	0.3	0.08	0.09	0.06	0.7	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
192-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.09	--	0.2	0.007	0.004	0.002	0.01	0.01	0.003	0.01	--	0.02	0.0008	0.04	0.4	0.1	0.1	0.06	0.7	NA	0.6	0.1	0.004	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
192-H1	House	0.02	0.008	0.07	0.08	0.02	0.08	--	0.1	0.007	0.003	0.001	0.008	0.01	0.002	0.009	--	0.01	0.0008	0.02	0.3	0.07	0.08	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
193-G1	Garden	0.01	0.003	0.05	0.06	0.003	0.06	--	0.06	0.002	0.001	0.0004	0.006	0.007	0.0003	0.007	--	0.007	0.0002	0.01	0.3	0.05	0.06	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.006	0.007	0.01	0.4	NA	0.2	0.1
193-H1	House	0.01	0.004	0.06	0.07	0.003	0.07	--	0.07	0.002	0.001	0.0005	0.007	0.008	0.0004	0.008	--	0.008	0.0003	0.01	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
194-H1	House	0.008	0.004	0.05	0.07	0.003	0.07	--	0.07	0.003	0.0009	0.0004	0.006	0.008	0.0004	0.008	--	0.009	0.0003	0.008	0.3	0.05	0.07	0.04	0.7	NA	0.5	0.1	0.0009	0.1	0.006	0.008	0.01	0.4	NA	0.2	0.1
194-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.006	0.09	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0007	0.01	--	0.01	0.0005	0.01	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
195-G1	Garden	0.02	0.004	0.05	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.0008	0.02	0.3	0.05	0.07	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.006	0.008	0.02	0.4	NA	0.2	0.1
195-G2	Garden	0.03	0.004	0.06	0.08	0.03	0.2	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.003	0.02	--	0.02	0.002	0.03	0.3	0.06	0.08	0.06	0.8	NA	0.5	0.2	0.004	0.1	0.007	0.009	0.02	0.4	NA	0.2	0.1
195-O1	Other -Not Specified	0.03	0.003	0.04	0.06	0.03	0.1	--	0.1	0.02	0.003	0.0003	0.005	0.007	0.003	0.01	--	0.01	0.002	0.03	0.3	0.04	0.06	0.07	0.8	NA	0.5	0.2	0.003	0.1	0.005	0.007	0.02	0.4	NA	0.2	0.1
196-A1	Agriculture	0.01	0.005	0.07	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0009	0.01	--	0.01	0.0007	0.01	0.3	0.07	0.08	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
196-A2	Agriculture	0.02	0.006	0.08	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0007	0.009	0.009	0.001	0.01	--	0.01	0.001	0.02	0.3	0.08	0.08	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.009	0.009	0.01	0.4	NA	0.2	0.1
196-G1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.0008	0.02	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.1	0.002	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
196-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.09	0.008	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0009	0.02	0.3	0.06	0.07	0.05	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
197-H1	House	0.02	0.007	0.1	0.1	0.01	0.09	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.001	0.02	0.3	0.1	0.1	0.05	0.7	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
198-G1	Garden	0.03	0.005	0.07	0.08	0.01	0.2	--	0.1	0.008	0.004	0.0006	0.008	0.009	0.001	0.02	--	0.01	0.001	0.03	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
198-H1	House	0.03	0.008	0.1	0.1	0.02	0.2	--	0.2	0.01	0.004	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002	0.03	0.3	0.1	0.1	0.06	0.8	NA	0.6	0.2	0.004	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
199-G1	Garden	0.01	0.006	0.09	0.1	0.004	0.1	--	0.1	0.002	0.001	0.0007	0.01	0.01	0.0004	0.01	--	0.01	0.0002	0.01	0.3	0.09	0.1	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
199-O1	Other -Not Specified	0.01	0.006	0.08	0.1	0.005	0.09	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0005	0.01	--	0.01	0.0004	0.01	0.3	0.08	0.1	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
200-G1	Garden	0.04	0.007	0.1	0.1	0.007	0.2	--	0.1	0.005	0.004	0.0008	0.01	0.01	0.0008	0.03	--	0.01	0.0006	0.04	0.3	0.1	0.1	0.04	0.9	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
200-H1	House	0.03	0.006	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0007	0.01	0.01	0.0007	0.02	--	0.01	0.0004	0.03	0.3	0.1	0.1	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
200-O1	Other -Not Specified	0.04	0.01	0.1	0.1	0.007	0.2	--	0.1	0.004	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0004	0.04	0.3	0.1	0.1	0.04	0.8	NA	0.5	0.1	0.005	0.1	0.02	0.02	0.01	0.4	NA	0.2	0.1

Table 5-26. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Northern Pike

		Total HI Across COPCs by Pathway																		Total HI Across Pathways															
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		By Target Organ System															
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
201G[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.02	0.3	0.1	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
201-O1	Other -Not Specified	0.07	0.006	0.09	0.1	0.04	0.1	--	0.2	0.02	0.008	0.0007	0.01	0.01	0.005	0.01	--	0.02	0.003	0.07	0.3	0.09	0.1	0.08	0.8	NA	0.6	0.2	0.008	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
202-H1	House	0.03	0.004	0.06	0.07	0.01	0.06	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.007	--	0.01	0.001	0.03	0.3	0.06	0.07	0.05	0.7	NA	0.5	0.2	0.003	0.1	0.007	0.008	0.02	0.4	NA	0.2	0.1
202-N1	Animal Activity Area	0.02	0.004	0.06	0.07	0.007	0.06	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0009	0.007	--	0.01	0.0006	0.02	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
202-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.07	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.0008	0.009	--	0.01	0.001	0.02	0.3	0.07	0.08	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.008	0.01	0.01	0.4	NA	0.2	0.1
203-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.04	0.7	NA	0.4	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
203-O1[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.04	0.7	NA	0.4	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
203-O2	Other -Not Specified	0.1	0.004	0.07	0.09	0.07	0.2	--	0.3	0.03	0.02	0.0004	0.008	0.01	0.008	0.02	--	0.04	0.004	0.1	0.3	0.07	0.09	0.1	0.8	NA	0.7	0.2	0.02	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
203-O3[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.04	0.7	NA	0.4	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
203-O4[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.04	0.7	NA	0.4	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
205-O1	Other -Not Specified	0.1	0.005	0.07	0.08	0.04	0.06	--	0.3	0.02	0.01	0.0006	0.008	0.01	0.004	0.007	--	0.04	0.003	0.1	0.3	0.07	0.08	0.07	0.7	NA	0.7	0.2	0.01	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
206-A1	Agriculture	0.03	0.02	0.1	0.1	0.01	0.1	--	0.1	0.01	0.004	0.002	0.01	0.01	0.002	0.02	--	0.02	0.002	0.03	0.4	0.1	0.1	0.05	0.8	NA	0.5	0.2	0.004	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
206-G1	Garden	0.02	0.007	0.07	0.08	0.007	0.1	--	0.09	0.006	0.002	0.0008	0.009	0.009	0.0008	0.01	--	0.01	0.0007	0.02	0.3	0.07	0.08	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.009	0.009	0.01	0.4	NA	0.2	0.1
206-H1	House	0.009	0.005	0.06	0.08	0.003	0.08	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0003	0.009	--	0.008	0.0003	0.009	0.3	0.06	0.08	0.04	0.7	NA	0.5	0.1	0.001	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
206-H2	House	0.03	0.04	0.2	0.1	0.03	0.2	--	0.2	0.03	0.004	0.005	0.02	0.01	0.003	0.02	--	0.02	0.003	0.03	0.4	0.2	0.1	0.06	0.8	NA	0.6	0.2	0.004	0.1	0.02	0.01	0.02	0.4	NA	0.2	0.1
206-O1	Other -Not Specified	0.06	0.008	0.1	0.1	0.03	0.2	--	0.3	0.02	0.007	0.0009	0.01	0.01	0.004	0.02	--	0.03	0.002	0.06	0.3	0.1	0.1	0.07	0.8	NA	0.6	0.2	0.007	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
207-O1	Other -Not Specified	0.02	0.003	0.05	0.06	0.01	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.001	0.02	0.3	0.05	0.06	0.05	0.7	NA	0.5	0.1	0.002	0.1	0.006	0.007	0.02	0.4	NA	0.2	0.1
208AA	Animal Activity Area	0.04	0.005	0.07	0.07	0.02	0.09	--	0.1	0.01	0.005	0.0005	0.008	0.008	0.002	0.01	--	0.02	0.002	0.04	0.3	0.07	0.07	0.05	0.7	NA	0.5	0.2	0.005	0.1	0.008	0.008	0.02	0.4	NA	0.2	0.1
208BM	House	0.05	0.007	0.1	0.1	0.01	0.1	--	0.2	0.009	0.006	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001	0.05	0.3	0.1	0.1	0.05	0.8	NA	0.6	0.1	0.006	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
208G	Garden	0.05	0.008	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.02	0.01	0.001	0.02	--	0.02	0.001	0.05	0.3	0.1	0.1	0.05	0.8	NA	0.6	0.1	0.006	0.1	0.02	0.01	0.01	0.4	NA	0.2	0.1
208-H1	House	0.07	0.004	0.07	0.07	0.03	0.2	--	0.2	0.02	0.009	0.0005	0.008	0.009	0.004	0.02	--	0.02	0.002	0.07	0.3	0.07	0.07	0.07	0.8	NA	0.6	0.2	0.009	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
209A	Agriculture	0.04	0.006	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001	0.04	0.3	0.1	0.09	0.05	0.8	NA	0.5	0.2	0.005	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
209-G1	Garden	0.05	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.003	0.05	0.3	0.07	0.08	0.06	0.8	NA	0.6	0.2	0.006	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
209-H1	House	0.09	0.005	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004	0.09	0.3	0.08	0.09	0.07	0.8	NA	0.7	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
209-P1	Play Area	0.1	0.005	0.08	0.09	0.04	0.2	--	0.3	0.04	0.01	0.0006	0.01	0.01	0.005	0.02	--	0.03	0.005	0.1	0.3	0.08	0.09	0.08	0.8	NA	0.7	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
210-H1	House	0.04	0.005	0.06	0.08	0.009	0.09	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001	0.04	0.3	0.06	0.08	0.05	0.7	NA	0.5	0.1	0.004	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
210-O1	Other -Not Specified	0.04	0.004	0.05	0.07	0.01	0.09	--	0.1	0.01	0.004	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.001	0.04	0.3	0.05	0.07	0.05	0.7	NA	0.5	0.1	0.004	0.1	0.005	0.008	0.02	0.4	NA	0.2	0.1
211-A1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001	0.02	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
211-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.004	0.003	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0005	0.02	0.3	0.08	0.09	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
211-G2	Garden	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0006	0.03	0.3	0.08	0.09	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
211-H1	House	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.009	0.002	0.0006	0.009	0.009	0.0009	0.01	--	0.01	0.001	0.02	0.3	0.08	0.08	0.04	0.8	NA	0.5	0.1	0.002	0.1	0.009	0.009	0.01	0.4	NA	0.2	0.1
211-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.02	0.002	0.02	0.3	0.06	0.07	0.05	0.8	NA	0.5	0.2	0.003	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
212-H1	House	0.03	0.005	0.08	0.2	0.03	0.08	--	0.2	0.02	0.003	0.0006	0.009	0.02	0.004	0.009	--	0.02	0.003	0.03	0.3	0.08	0.2	0.07	0.7	NA	0.6	0.2	0.003	0.1	0.009	0.02	0.02	0.4	NA	0.2	0.1
212-H2	House	0.03	0.004	0.06	0.1	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.002	0.007	--	0.01	0.002	0.03	0.3	0.06	0.1	0.05	0.7	NA	0.5	0.2	0.004	0.1	0.007	0.01	0.02	0.4	NA	0.2	0.1
213-O1	Other -Not Specified	0.04	0.009	0.1	0.1	0.006	0.2	--	0.1	0.004	0.005	0.001	0.01	0.01	0.0007	0.02	--	0.01	0.0004	0.04	0.3	0.1	0.1	0.04	0.8	NA	0.5	0.1	0.005	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
213-O2	Other -Not Specified	0.05	0.007	0.1	0.09	0.01	0.2	--	0.2	0.006	0.006	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.05	0.3	0.1	0.09	0.05	0.8	NA	0.6	0.1	0.006	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
213-O3	Other -Not Specified	0.04	0.007	0.1	0.1	0.008	0.1	--	0.1	0.004	0.004	0.0008	0.01	0.02	0.001	0.01	--	0.02	0.0005	0.04	0.3	0.1	0.1	0.04	0.7	NA	0.5	0.1	0.004	0.1	0.01	0.02	0.01	0.4	NA	0.2	0.1
21G	Garden	0.07	0.005	0.07	0.07	0.04	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.009	0.005	0.02	--	0.02	0.003	0.07	0.3	0.07	0.07	0.08	0.8	NA	0.6	0.2	0.008	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
226C	House	0.07	0.004	0.05	0.06	0.04	0.08	--	0.3	0.02	0.008	0.0004	0.006	0.007	0.005	0.009	--	0.03	0.002	0.07	0.3	0.05	0.06	0.08	0.7	NA	0.7	0.2	0.008	0.1	0.006	0.007	0.02	0.4	NA	0.2	0.1
230G	Garden	0.02	0.005	0.07	0.07	0.008	0.07	--	0.1	0.004	0.003	0.0006	0.008	0.009	0.001	0.008	--	0.01	0.0005	0.02	0.3	0.07	0.07	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
231Lower	Other -Not Specified	0.05	0.005	0.07	0.08	0.01	0.09	--	0.2	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001	0.05	0.3	0.07	0.08	0.05	0.7	NA	0.6	0.1	0.006	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
238G	Garden	0.02	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.008	0.0005	0.009	--	0.01	0.0005	0.02	0.3	0.06	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
238M	Other -Not Specified	0.02	0.005	0.07	0.07	0.003	0.07	--	0.09	0.003	0.002	0.0006	0.008	0.009	0.0004	0.008	--	0.01	0.0004	0.02	0.3	0.07	0.07	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
280yard	House	0.05	0.006	0.1	0.09	0.03	0.2	--	0.2	0.02	0.006	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.003	0.05	0.3	0.1	0.09	0.06	0.8	NA	0.6	0.2	0.006	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
284M	House	0.03	0.005	0.08	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.001	0.03	0.3	0.08	0.08	0.05	0.8	NA	0.5	0.1	0.003	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1
285M	Other -Not Specified	0.04	0.005	0.09	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.01	0.009	0.002	0.01	--	0.02	0.001	0.04	0.3	0.09	0.08	0.05	0.8	NA	0.5	0.2	0.005	0.1	0.01	0.009	0.02	0.4	NA	0.2	0.1
288G1	Garden	0.03	0.006	0.08	0.08	0.008	0.08	--	0.1	0.006	0.003	0.0007	0.009	0.009	0.0009	0.009	--	0.01	0.0007	0.03	0.3	0.08	0.08	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.009	0.009	0.01	0.4	NA	0.2	0.1
288G2	Garden	0.02	0.007	0.08	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0008	0.009	0.01	0.0008	0.009	--	0.01	0.0005	0.02	0.3	0.08	0.08	0.04	0.7	NA	0.5	0.1	0.002	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
289G3	Garden	0.02	0.005	0.07	0.07	0.007	0.07	--	0.1	0.006	0.003	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0007	0.02	0.3	0.07	0.07	0.04	0.7	NA	0.5	0.1	0.003	0.1	0.008	0.008	0.01	0.4	NA	0.2	0.1
317M	Play Area	0.1	0.006	0.1	0.1	0.04	0.1	--	0.4	0.05	0.02	0.0008	0.01	0.01	0.005	0.01	--	0.04	0.005	0.1	0.3	0.1	0.1	0.08	0.8	NA	0.8	0.2	0.02	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
319M[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.02	0.3	0.1	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
320new	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.03	0.01	0.0008	0.01	0.01	0.004	0.01	--	0.03	0.003	0.09	0.3	0.1	0.1	0.07	0.8	NA	0.7	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
35PA[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.02	0.3	0.1	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1
59A	House	0.09	0.004	0.05	0.06	0.04	0.1	--	0.2	0.03	0.01	0.0004	0.006	0.007	0.004	0.01	--	0.02	0.003	0.09	0.3	0.05	0.06	0.07	0.8	NA	0.6	0.2	0.01	0.1	0.006	0.007	0.02	0.4	NA	0.2	0.1
62G	Garden	0.04	0.006	0.09	0.1	0.007	0.1	--	0.1	0.006	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.04	0.3	0.09	0.1	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
72M	Agriculture	0.07	0.008	0.09	0.09	0.03	0.1	--	0.2	0.02	0.008	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002	0.07	0.3	0.09	0.09	0.06	0.8	NA	0.6	0.2	0.008	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
72U	Other -Not Specified	0.05	0.01	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.3	0.1	0.1	0.05	0.8	NA	0.6	0.1	0.006	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
94M	Agriculture	0.03	0.006	0.1	0.1	0.008	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.01	0.0009	0.01	--	0.02	0.0007	0.03	0.3	0.1	0.1	0.04	0.7	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
999G1	Garden	0.04	0.008	0.09	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.0009	0.04	0.3	0.09	0.08	0.05	0.8	NA	0.5	0.1	0.005	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
999M1	House	0.03	0.007	0.1	0.1	0.008	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.01	0.0009	0.02	--	0.01	0.0008	0.03	0.3	0.1	0.1	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
999M2	Garden	0.03	0.009	0.1	0.1	0.005	0.1	--	0.1	0.004	0.003	0.001	0.02	0.01	0.0006	0.02	--	0.01	0.0005	0.03	0.3	0.1	0.1	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.02	0.01	0.01	0.4	NA	0.2	0.1
999M3	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.05	0.4	0.2	0.2	0.05	0.9	NA	0.6	0.2	0.006	0.1	0.02	0.02	0.02	0.4	NA	0.2	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-27. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
Indoor Air		--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																		
Outdoor Air		--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02		**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exeed benchmark[c] when risk is summed across pathways:**								
Fish (Rainbow Trout)		0.02	0.2	0.02	0.009	0.03	0.3	0.4	0.7	--	0.009	0.09	0.008	0.003	0.01	0.1	0.1	0.3	--																		
Residential Soil/Dust[a]		**Number of DUs that exceed benchmark[c] for Soil/Dust:**									**Number of DUs that exceed benchmark[c] for Soil/Dust:**																												
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.05	0.2	0.1	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
9	Agriculture	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009		0.07	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
13	Other -Not Specified	0.05	0.005	0.09	0.09	0.01	0.2	--	0.1	0.008	0.006	0.0006	0.01	0.01	0.001	0.02	--	0.02	0.0009		0.07	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
14	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.008	0.005	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0009		0.07	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
15	House	0.04	0.005	0.08	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0006	0.009	0.009	0.001	0.01	--	0.02	0.001		0.06	0.2	0.1	0.09	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
16	Other -Not Specified	0.08	0.005	0.1	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004		0.1	0.2	0.1	0.1	0.06	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
17	Other -Not Specified	0.04	0.007	0.09	0.09	0.02	0.1	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002		0.07	0.2	0.1	0.09	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
18[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.05	0.2	0.1	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
20[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.05	0.2	0.1	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
21	House	0.03	0.006	0.08	0.08	0.01	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.009	0.001	0.01	--	0.01	0.0008		0.05	0.2	0.1	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
22	House	0.07	0.005	0.08	0.08	0.01	0.1	--	0.2	0.01	0.008	0.0005	0.009	0.009	0.002	0.01	--	0.02	0.001		0.1	0.2	0.1	0.09	0.04	0.7	0.4	0.9	0.1	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
25	House	0.03	0.005	0.09	0.09	0.007	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.0009	0.01	--	0.01	0.0005		0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
27	Other -Not Specified	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.07	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
28	Garden	0.02	0.006	0.08	0.08	0.004	0.1	--	0.08	0.003	0.002	0.0006	0.01	0.009	0.0005	0.01	--	0.01	0.0003		0.04	0.2	0.1	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
29	Other -Not Specified	0.02	0.005	0.08	0.08	0.007	0.09	--	0.09	0.004	0.003	0.0006	0.009	0.009	0.0008	0.01	--	0.01	0.0004		0.05	0.2	0.1	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
30	Other -Not Specified	0.04	0.007	0.1	0.09	0.007	0.1	--	0.1	0.004	0.005	0.0008	0.01	0.01	0.0008	0.02	--	0.01	0.0005		0.07	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
31	Other -Not Specified	0.06	0.006	0.1	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002		0.08	0.2	0.1	0.1	0.05	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
33	House	0.05	0.005	0.07	0.07	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.009	0.003	0.02	--	0.02	0.002		0.07	0.2	0.09	0.08	0.06	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
35[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.05	0.2	0.1	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
39[b]	Agriculture	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.05	0.2	0.1	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
40[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.05	0.2	0.1	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
42	House	0.02	0.004	0.05	0.07	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.001		0.05	0.2	0.07	0.08	0.04	0.6	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
44	Agriculture	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008		0.05	0.2	0.08	0.07	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
46	Other -Not Specified	0.04	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.002		0.06	0.2	0.08	0.08	0.05	0.6	0.4	0.9	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
47	Agriculture	0.03	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0005	0.008	0.01	0.003	0.01	--	0.02	0.002		0.06	0.2	0.09	0.09	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
49[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.05	0.2	0.1	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
55	House	0.02	0.006	0.08	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0007	0.009	0.01	0.0007	0.01	--	0.01	0.0007		0.05	0.2	0.1	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
56	Other -Not Specified	0.04	0.006	0.1	0.1	0.02	0.1	--	0.2	0.02	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002		0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
58	Agriculture	0.02	0.006	0.08	0.08	0.009	0.1	--	0.1	0.006	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0007		0.05	0.2	0.1	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
59	House	0.04	0.003	0.04	0.05	0.03	0.09	--	0.1	0.02	0.005	0.0003	0.005	0.006	0.003	0.01	--	0.02	0.002		0.06	0.2	0.06	0.06	0.05	0.6	0.4	0.8	0.2	0.01	0.09	0.01	0.009	0.01	0.4	0.1	0.3	0.1
60	Garden	0.03	0.005	0.06	0.07	0.008	0.1	--	0.1	0.005	0.003	0.0006	0.007	0.008	0.0009	0.01	--	0.01	0.0006		0.05	0.2	0.08	0.08	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
61	House	0.04	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.005	0.0004	0.006	0.008	0.002	0.01	--	0.02	0.001		0.06	0.2	0.08	0.08	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
62	House	0.04	0.006	0.09	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
66	Other -Not Specified	0.05	0.005	0.07	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.001		0.07	0.2	0.09	0.09	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
67	Garden	0.05	0.005	0.08	0.08	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002		0.08	0.2	0.1	0.09	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
70	House	0.06	0.008	0.09	0.09	0.02	0.1	--	0.2	0.02	0.007	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.002		0.08	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
71	Garden	0.06	0.009	0.1	0.09	0.02	0.1	--	0.1	0.01	0.007	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001		0.09	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
72	Garden	0.06	0.01	0.1	0.1	0.02	0.1	--	0.2	0.02	0.007	0.001	0.02	0.01	0.003	0.01	--	0.02	0.003		0.08	0.2	0.2	0.1	0.05	0.6	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
75	House	0.06	0.005	0.08	0.08	0.06	0.2	--	0.2	0.04	0.007	0.0005	0.01	0.01	0.007	0.02	--	0.03	0.004		0.09	0.2	0.1	0.09	0.09	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
82	House	0.03	0.006	0.1	0.1	0.007	0.1	--	0.1	0.005	0.004	0.0007	0.01	0.01	0.0008	0.02	--	0.01	0.0006		0.06	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
85	House	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.004	0.002	0.0006	0.008	0.008	0.0005	0.008	--	0.01	0.0005		0.04	0.2	0.09	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
86	Agriculture	0.03	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001		0.06	0.2	0.1	0.1	0.04	0.6	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
87	Agriculture	0.02	0.005	0.07	0.07	0.009	0.08	--	0.1	0.008	0.003	0.0005	0.008	0.008	0.001	0.009	--	0.01	0.001		0.05	0.2	0.09	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
106	House	0.1	0.005	0.06	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0005	0.007	0.009	0.004	0.02	--	0.03	0.002		0.1	0.2	0.08	0.08	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
107	Garden	0.07	0.006	0.08	0.09	0.03	0.2	--	0.2	0.01	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.02	0.002		0.09	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
108	Garden	0.09	0.008	0.07	0.08	0.02	0.1	--	0.2	0.01	0.01	0.0009	0.009	0.01	0.002	0.02	--	0.02	0.002		0.1	0.2	0.09	0.09	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
109[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.05	0.2	0.1	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
110	House	0.03	0.004	0.05	0.06	0.008	0.1	--	0.1	0.007	0.004	0.0005	0.006	0.007	0.001	0.01	--	0.01	0.0008		0.06	0.2	0.07	0.07	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
111	Other -Not Specified	0.03	0.004	0.06	0.06	0.008	0.1	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.001	0.01	--	0.01	0.0007		0.05	0.2	0.08	0.07	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
112	House	0.1	0.005	0.08	0.07	0.04	0.2	--	0.3	0.04	0.02	0.0006	0.009	0.009	0.005	0.02	--	0.03	0.004		0.2	0.2	0.1	0.08	0.07	0.7	0.4	1	0.2	0.03	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
121	House	0.04	0.008	0.2	0.1	0.01	0.2	--	0.2	0.02	0.005	0.001	0.02	0.01	0.001	0.03	--	0.02	0.002		0.07	0.2	0.2	0.1	0.04	0.8	0.4	0.9	0.2	0.01	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
122	Other -Not Specified	0.06	0.008	0.1	0.1	0.009	0.2	--	0.2	0.007	0.007	0.001	0.02	0.01	0.001	0.02	--	0.02	0.0008		0.08	0.2	0.2	0.1	0.04	0.7	0.4	0.9	0.1	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
123	House	0.06	0.005	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.0006	0.01	0.009	0.004	0.02	--	0.03	0.003		0.09	0.2	0.1	0.08	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
135	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.001		0.05	0.2	0.08	0.07	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
146	House	0.04	0.005	0.08	0.09	0.006	0.1	--	0.1	0.008	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.02	0.0009		0.06	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
147	Garden	0.02	0.005	0.06	0.07	0.005	0.09	--	0.09	0.004	0.003	0.0006	0.007	0.008	0.0005	0.01	--	0.01	0.0004		0.05	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
151[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.05	0.2	0.1	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
152	Other -Not Specified	0.04	0.007	0.1	0.09	0.01	0.1	--	0.2	0.02	0.005	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002		0.07	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
154	House	0.02	0.003	0.04	0.05	0.005	0.06	--	0.06	0.005	0.002	0.0004	0.005	0.006	0.0006	0.007	--	0.007	0.0006		0.04	0.2	0.06	0.06	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
160	House	0.05	0.006	0.08	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.009	0.001	0.02	--	0.02	0.001		0.08	0.2	0.1	0.08	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
163	House	0.06	0.005	0.07	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001		0.08	0.2	0.09	0.08	0.04	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1

Table 5-27. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
164	Agriculture	0.05	0.006	0.09	0.09	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.07	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
167	Agriculture	0.03	0.004	0.06	0.06	0.005	0.08	--	0.1	0.006	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0007	0.05	0.2	0.08	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
168	House	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.09	0.2	0.1	0.1	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
169	Other -Not Specified	0.06	0.006	0.08	0.08	0.03	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.009	0.004	0.02	--	0.02	0.002	0.08	0.2	0.1	0.09	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
170[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
175	Other -Not Specified	0.05	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.08	0.2	0.08	0.08	0.04	0.7	0.4	0.8	0.1	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
177	Agriculture	0.07	0.004	0.05	0.06	0.01	0.1	--	0.2	0.01	0.008	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002	0.09	0.2	0.07	0.07	0.04	0.6	0.4	0.9	0.2	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
185	House	0.07	0.007	0.1	0.1	0.02	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002	0.09	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
186	House	0.05	0.005	0.08	0.07	0.02	0.09	--	0.2	0.02	0.006	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.002	0.08	0.2	0.1	0.08	0.04	0.6	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
189	House	0.07	0.007	0.09	0.09	0.01	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.09	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
192	House	0.05	0.009	0.1	0.1	0.02	0.1	--	0.2	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002	0.08	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
193	House	0.05	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.005	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.001	0.07	0.2	0.09	0.09	0.05	0.6	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
194[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
196[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
201	House	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009	0.07	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
203[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
206	House	0.04	0.005	0.08	0.07	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.001	0.06	0.2	0.1	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
208	Other -Not Specified	0.05	0.006	0.1	0.09	0.04	0.1	--	0.2	0.01	0.006	0.0007	0.01	0.01	0.005	0.02	--	0.02	0.002	0.08	0.2	0.1	0.1	0.07	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
213	Other -Not Specified	0.09	0.005	0.07	0.07	0.04	0.1	--	0.2	0.03	0.01	0.0006	0.008	0.009	0.004	0.02	--	0.03	0.003	0.1	0.2	0.09	0.08	0.07	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
216	House	0.07	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	0.0004	0.008	0.009	0.004	0.02	--	0.02	0.002	0.09	0.2	0.09	0.08	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
218[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
229	Play Area	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.003	0.002	0.0005	0.008	0.008	0.0005	0.008	--	0.01	0.0003	0.04	0.2	0.09	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
231	House	0.06	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.001	0.08	0.2	0.08	0.08	0.04	0.7	0.4	0.9	0.1	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
246	Play Area	0.01	0.005	0.06	0.06	0.004	0.06	--	0.07	0.003	0.002	0.0005	0.007	0.007	0.0004	0.006	--	0.008	0.0004	0.04	0.2	0.08	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
249	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.09	--	0.1	0.006	0.004	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.0007	0.06	0.2	0.08	0.07	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
250	House	0.05	0.004	0.06	0.06	0.01	0.1	--	0.1	0.008	0.005	0.0004	0.007	0.007	0.002	0.01	--	0.01	0.0009	0.07	0.2	0.08	0.07	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
253	House	0.03	0.004	0.06	0.07	0.008	0.07	--	0.1	0.009	0.003	0.0005	0.007	0.008	0.001	0.008	--	0.01	0.001	0.05	0.2	0.08	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
280	Other -Not Specified	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.003	0.09	0.2	0.1	0.1	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
287	Agriculture	0.03	0.004	0.08	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0005	0.009	0.009	0.003	0.02	--	0.02	0.002	0.06	0.2	0.1	0.09	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
288	House	0.02	0.005	0.07	0.07	0.006	0.07	--	0.09	0.006	0.002	0.0006	0.008	0.008	0.0007	0.008	--	0.01	0.0007	0.04	0.2	0.09	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
291	Agriculture	0.02	0.004	0.05	0.06	0.007	0.06	--	0.1	0.006	0.002	0.0005	0.006	0.007	0.0009	0.007	--	0.01	0.0007	0.04	0.2	0.08	0.07	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
306	Other -Not Specified	0.03	0.004	0.06	0.06	0.007	0.07	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.0009	0.008	--	0.01	0.0007	0.05	0.2	0.08	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
315	House	0.02	0.007	0.08	0.08	0.004	0.09	--	0.1	0.003	0.003	0.0008	0.01	0.01	0.0005	0.01	--	0.01	0.0003	0.05	0.2	0.1	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
316	Other -Not Specified	0.03	0.006	0.09	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.002	0.02	--	0.01	0.001	0.05	0.2	0.1	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
317	House	0.08	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.009	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.002	0.1	0.2	0.1	0.1	0.05	0.6	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
318	Other -Not Specified	0.1	0.006	0.1	0.09	0.03	0.1	--	0.3	0.04	0.01	0.0007	0.01	0.01	0.004	0.01	--	0.03	0.005	0.1	0.2	0.1	0.1	0.06	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
319	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.05	0.01	0.0008	0.01	0.01	0.005	0.02	--	0.04	0.006	0.1	0.2	0.1	0.1	0.07	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
325	Garden	0.03	0.005	0.07	0.07	0.005	0.08	--	0.09	0.003	0.003	0.0006	0.008	0.008	0.0006	0.01	--	0.01	0.0004	0.05	0.2	0.09	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
326	Other -Not Specified	0.02	0.005	0.06	0.07	0.006	0.06	--	0.1	0.005	0.002	0.0005	0.007	0.008	0.0007	0.007	--	0.01	0.0006	0.04	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
327	Other -Not Specified	0.02	0.004	0.05	0.06	0.005	0.05	--	0.09	0.004	0.002	0.0005	0.006	0.008	0.0005	0.006	--	0.01	0.0004	0.04	0.2	0.08	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
345	Play Area	0.03	0.006	0.1	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001	0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
346	Garden	0.05	0.007	0.1	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002	0.08	0.2	0.1	0.09	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
347	Other -Not Specified	0.05	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.006	0.0005	0.009	0.008	0.003	0.01	--	0.02	0.003	0.08	0.2	0.09	0.08	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
801	Other -Not Specified	0.06	0.003	0.05	0.09	0.03	0.05	--	0.2	0.02	0.007	0.0004	0.005	0.01	0.003	0.006	--	0.02	0.002	0.09	0.2	0.07	0.09	0.06	0.6	0.4	0.9	0.2	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
1001	Other -Not Specified	0.08	0.004	0.05	0.1	0.04	0.05	--	0.2	0.03	0.009	0.0004	0.006	0.01	0.004	0.006	--	0.03	0.003	0.1	0.2	0.07	0.1	0.06	0.6	0.4	0.9	0.2	0.02	0.09	0.01	0.02	0.01	0.4	0.1	0.3	0.1
1005	Garden	0.04	0.006	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0008	0.009	0.01	0.002	0.01	--	0.02	0.001	0.06	0.2	0.1	0.09	0.04	0.6	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
1006	House	0.03	0.008	0.08	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.0009	0.05	0.2	0.1	0.09	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
1007	Garden	0.02	0.009	0.08	0.08	0.007	0.1	--	0.1	0.005	0.003	0.001	0.009	0.01	0.0008	0.01	--	0.01	0.0006	0.05	0.2	0.1	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
1008	Agriculture	0.02	0.009	0.06	0.07	0.01	0.08	--	0.1	0.01	0.003	0.001	0.007	0.008	0.001	0.01	--	0.01	0.001	0.05	0.2	0.08	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
1010	Agriculture	0.03	0.008	0.06	0.07	0.02	0.09	--	0.1	0.01	0.004	0.0009	0.007	0.008	0.002	0.01	--	0.01	0.001	0.06	0.2	0.08	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
1011	Agriculture	0.04	0.005	0.04	0.05	0.02	0.06	--	0.1	0.01	0.005	0.0005	0.005	0.005	0.002	0.007	--	0.01	0.002	0.07	0.2	0.06	0.05	0.05	0.6	0.4	0.8	0.2	0.01	0.09	0.01	0.009	0.01	0.4	0.1	0.3	0.1
1015	Garden	0.02	0.005	0.08	0.09	0.006	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0005	0.04	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
1017	Garden	0.03	0.003	0.05	0.07	0.01	0.09	--	0.1	0.008	0.003	0.0004	0.006	0.008	0.001	0.01	--	0.01	0.001	0.05	0.2	0.07	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
1018	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.08	0.004	0.002	0.0004	0.007	0.009	0.0008	0.01	--	0.01	0.0005	0.04	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
1020	Garden	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.001	0.06	0.2	0.09	0.09	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
1021[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
1030[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
1035	Garden	0.05	0.009	0.1	0.09	0.01	0.2	--	0.2	0.01	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
1036	Play Area	0.03	0.006	0.09	0.09	0.009	0.1	--	0.1	0.007	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.0008	0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
1037	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
1060	House	0.03	0.005	0.07	0.07	0.01	0.09	--	0.1	0.01	0.003	0.0005	0.008	0.008	0.001	0.01	--	0.01	0.001	0.05	0.2	0.09	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
3000	House	0.01	0.005	0.06	0.07	0.003	0.06	--	0.08	0.002	0.002	0.0005	0.007	0.009	0.0004	0.007	--	0.009	0.0003	0.04	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
3001	Garden	0.08	0.01	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.001	0.02	0.02	0.004	0.02	--	0.03	0.002	0.1	0.2	0.2	0.2	0.06	0.7	0.4	1	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
3003	Other -Not Specified	0.1	0.007	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.0009	0.01	0.01	0.003	0.01	--	0.03	0.003	0.1	0.2	0.1	0.1	0.05	0.7	0.4	1	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
3004	House	0.03	0.005	0.07	0.07	0.01	0.1	--	0.1	0.006	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0007	0.06	0.2	0.09	0.08	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
075-A1	Agriculture	0.02	0.006	0.08	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0007	0.009	0.01	0.001	0.01	--	0.01	0.001	0.04	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1

Table 5-27. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																			Total HI Across Pathways									
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System									
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																			
075-H1	House	0.03	0.005	0.07	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.002	0.02	--	0.02	0.002	0.05	0.2	0.09	0.08	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
075-O1	Other -Not Specified	0.03	0.005	0.06	0.2	0.02	0.08	--	0.2	0.02	0.004	0.0006	0.008	0.02	0.003	0.01	--	0.02	0.003	0.06	0.2	0.08	0.2	0.05	0.6	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
076-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
076-G2	Garden	0.05	0.007	0.09	0.1	0.02	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
076-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.001	0.03	--	0.02	0.002	0.06	0.2	0.1	0.1	0.04	0.8	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
076-H2	House	0.04	0.006	0.09	0.09	0.01	0.2	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
076-N1	Animal Activity Area	0.04	0.007	0.1	0.1	0.03	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.001	0.06	0.2	0.1	0.1	0.06	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
077-A1	Agriculture	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.006	0.008	0.0004	0.009	--	0.008	0.0003	0.03	0.2	0.07	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
077-A2	Agriculture	0.009	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.009	--	0.008	0.0004	0.03	0.2	0.07	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
077-G1	Garden	0.01	0.004	0.06	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003	0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
077-H1	House	0.01	0.004	0.05	0.06	0.004	0.07	--	0.07	0.003	0.001	0.0004	0.006	0.007	0.0004	0.008	--	0.008	0.0004	0.03	0.2	0.07	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
077-H2	House	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0005	0.009	--	0.008	0.0004	0.03	0.2	0.07	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
077-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.008	0.0005	0.009	--	0.009	0.0004	0.04	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
078-G1	Garden	0.01	0.004	0.05	0.07	0.003	0.09	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0004	0.01	--	0.008	0.0005	0.04	0.2	0.07	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
078-H1	House	0.007	0.003	0.04	0.06	0.002	0.06	--	0.06	0.003	0.0009	0.0004	0.005	0.007	0.0002	0.007	--	0.006	0.0003	0.03	0.2	0.06	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
078-N1	Animal Activity Area	0.01	0.004	0.05	0.06	0.003	0.07	--	0.06	0.003	0.001	0.0005	0.006	0.007	0.0003	0.008	--	0.007	0.0003	0.03	0.2	0.07	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
078-O1	Other -Not Specified	0.009	0.004	0.06	0.07	0.002	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0003	0.01	--	0.008	0.0004	0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
079-H1	House	0.03	0.005	0.06	0.09	0.009	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.001	0.05	0.2	0.08	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
079-H2	House	0.04	0.007	0.07	0.08	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.008	0.009	0.002	0.02	--	0.02	0.001	0.06	0.2	0.09	0.09	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
080-H1	House	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.004	0.004	0.001	0.02	0.01	0.0005	0.02	--	0.02	0.0004	0.05	0.2	0.2	0.1	0.03	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
081-A1	Agriculture	0.02	0.005	0.08	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0006	0.04	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
081-H1	House	0.02	0.007	0.1	0.1	0.006	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.0007	0.01	--	0.01	0.001	0.05	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
081-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.02	0.003	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
082-G1	Garden	0.01	0.004	0.06	0.07	0.003	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.008	0.0004	0.01	--	0.009	0.0003	0.04	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
082-G2	Garden	0.02	0.004	0.06	0.07	0.005	0.1	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006	0.04	0.2	0.08	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
082-H1	House	0.01	0.004	0.05	0.07	0.004	0.09	--	0.08	0.004	0.001	0.0004	0.006	0.008	0.0004	0.01	--	0.009	0.0005	0.04	0.2	0.07	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
082-N1	Animal Activity Area	0.01	0.004	0.05	0.07	0.004	0.1	--	0.08	0.004	0.002	0.0005	0.006	0.008	0.0005	0.01	--	0.009	0.0005	0.04	0.2	0.07	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
082-N2	Animal Activity Area	0.02	0.004	0.06	0.07	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006	0.04	0.2	0.08	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
083-G1	Garden	0.02	0.005	0.08	0.09	0.005	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0006	0.04	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
083-G2	Garden	0.02	0.005	0.07	0.08	0.005	0.1	--	0.09	0.004	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0005	0.04	0.2	0.09	0.09	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
083-H1	House	0.02	0.005	0.07	0.08	0.006	0.09	--	0.09	0.007	0.002	0.0006	0.009	0.009	0.0007	0.01	--	0.01	0.0008	0.04	0.2	0.09	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
084-H1	House	0.01	0.005	0.07	0.09	0.005	0.1	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0004	0.03	0.2	0.09	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
085-H1	House	0.02	0.004	0.06	0.07	0.008	0.1	--	0.09	0.007	0.002	0.0005	0.007	0.008	0.0009	0.01	--	0.01	0.0008	0.04	0.2	0.08	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
085-O1	Other -Not Specified	0.03	0.006	0.1	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.009	0.002	0.02	--	0.01	0.001	0.05	0.2	0.1	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
085-P1	Play Area	0.05	0.008	0.09	0.09	0.02	0.2	--	0.2	0.02	0.006	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002	0.08	0.2	0.1	0.1	0.04	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
086-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.009	0.001	0.02	--	0.01	0.0009	0.05	0.2	0.08	0.08	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
086-H1	House	0.02	0.003	0.06	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.01	0.001	0.02	--	0.01	0.0008	0.05	0.2	0.08	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
086-H2	House	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.06	0.2	0.09	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
087-H1	House	0.02	0.003	0.06	0.07	0.008	0.1	--	0.09	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007	0.04	0.2	0.08	0.08	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
087-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.06	0.2	0.09	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
088-H1	House	0.06	0.005	0.08	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.003	0.08	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
088-H2	House	0.04	0.004	0.06	0.07	0.01	0.1	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.002	0.01	--	0.02	0.002	0.06	0.2	0.08	0.08	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
088-O1	Other -Not Specified	0.05	0.004	0.07	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.07	0.2	0.09	0.1	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
089-A1	Agriculture	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.008	0.004	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.0009	0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
089-H1	House	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.001	0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
089-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0008	0.04	0.2	0.09	0.09	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
090-H1	House	0.01	0.005	0.06	0.08	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.007	0.009	0.001	0.01	--	0.01	0.0009	0.04	0.2	0.08	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
090-O2	Other -Not Specified	0.01	0.007	0.09	0.1	0.01	0.2	--	0.1	0.007	0.002	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.04	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
091-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.1	--	0.1	0.009	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.001	0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
091-H1	House	0.03	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0008	0.05	0.2	0.09	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
092-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.07	--	0.1	0.02	0.002	0.0005	0.006	0.007	0.002	0.009	--	0.02	0.002	0.04	0.2	0.07	0.07	0.05	0.6	0.4	0.9	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
092-O2	Other -Not Specified	0.02	0.004	0.05	0.06	0.01	0.08	--	0.1	0.01	0.003	0.0005	0.006	0.007	0.002	0.009	--	0.01	0.001	0.05	0.2	0.07	0.07	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
093-H1	House	0.03	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.003	0.0004	0.007	0.009	0.001	0.01	--	0.01	0.0007	0.05	0.2	0.08	0.08	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
094-H1	House	0.03	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.02	--	0.01	0.0009	0.05	0.2	0.08	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
094-P1	Play Area	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001	0.05	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
095-A1	Agriculture	0.04	0.004	0.06	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0004	0.007	0.01	0.003	0.02	--	0.02	0.002	0.07	0.2	0.08	0.1	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
095-H1	House	0.04	0.005	0.07	0.1	0.02	0.2	--	0.2	0.01	0.005	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002	0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
095-O1	Other -Not Specified	0.04	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.06	0.2	0.09	0.09	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
095-O2	Other -Not Specified	0.05	0.005	0.07	0.1	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.002	0.07	0.2	0.09	0.1	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
096-H1	House	0.04	0.006	0.08	0.09	0.02	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.06	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
096-O1	Other -Not Specified	0.07	0.006	0.08	0.1	0.02	0.2	--	0.2	0.03	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003	0.1	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
097-H1	House	0.02	0.005	0.07	0.09	0.01	0.09	--	0.2	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001	0.05	0.2	0.09	0.1	0.04	0.6	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
097-H2	House	0.02	0.005	0.06	0.08	0.008	0.07	--	0.2	0.01	0.002	0.0006	0.008	0.01	0.0009	0.009	--	0.02	0.001	0.04	0.2	0.08	0.09	0.04	0.6	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
098-G1	Garden	0.01	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.01	--	0.009	0.0003	0.03	0.2	0.08	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
098-H1	House	0.008	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.009	--	0.009	0.0004	0.03	0.2	0.08	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
098-O1	Other -Not Specified	0.008	0.004	0.06	0.09	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.007	0.01	0.0004	0.009	--	0.009	0.0003	0.03	0.2	0.08	0.1	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
099-A1	Agriculture	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009	0.04	0.2	0.1	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1

Table 5-27. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																		
099-G2	Garden	0.02	0.004	0.05	0.07	0.009	0.1	--	0.09	0.007	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.0008	0.04	0.2	0.07	0.08	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
099-H1	House	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.007	0.002	0.01	--	0.01	0.002	0.05	0.2	0.07	0.06	0.04	0.6	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
099-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002	0.04	0.2	0.07	0.07	0.04	0.6	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
100-G1	Garden	0.02	0.005	0.08	0.1	0.006	0.1	--	0.1	0.006	0.002	0.0006	0.01	0.01	0.0007	0.01	--	0.02	0.0007	0.04	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
100-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.02	0.003	0.0006	0.009	0.009	0.002	0.01	--	0.02	0.002	0.05	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
100-N1	Animal Activity Area	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.009	0.01	0.001	0.02	--	0.01	0.001	0.05	0.2	0.1	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
100-N2	Animal Activity Area	0.03	0.005	0.09	0.1	0.009	0.1	--	0.1	0.007	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0008	0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
100-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.01	0.001	0.05	0.2	0.08	0.07	0.04	0.6	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
101-G1	Garden	0.02	0.007	0.1	0.09	0.008	0.1	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.0009	0.02	--	0.01	0.0006	0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
101-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.002	0.04	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
101-O1	Other -Not Specified	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
102-G1	Garden	0.02	0.007	0.1	0.1	0.008	0.2	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0006	0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
102-H1	House	0.02	0.008	0.09	0.09	0.004	0.1	--	0.08	0.003	0.002	0.0009	0.01	0.01	0.0004	0.01	--	0.01	0.0003	0.04	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
103-H1	House	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001	0.05	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
103-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.001	0.05	0.2	0.08	0.07	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
104-H1	House	0.07	0.005	0.07	0.09	0.01	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002	0.09	0.2	0.09	0.1	0.04	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
104-H2	House	0.06	0.004	0.06	0.08	0.01	0.1	--	0.2	0.01	0.007	0.0005	0.007	0.01	0.001	0.02	--	0.02	0.002	0.08	0.2	0.08	0.09	0.04	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
104-N1	Animal Activity Area	0.06	0.004	0.05	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.006	0.008	0.001	0.02	--	0.02	0.001	0.08	0.2	0.07	0.08	0.04	0.7	0.4	0.9	0.2	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
105-H1	House	0.03	0.003	0.04	0.05	0.01	0.08	--	0.1	0.008	0.004	0.0003	0.005	0.006	0.001	0.009	--	0.01	0.001	0.05	0.2	0.06	0.06	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
105-P1	Play Area	0.03	0.002	0.03	0.04	0.03	0.08	--	0.1	0.01	0.004	0.0002	0.003	0.005	0.003	0.009	--	0.01	0.001	0.06	0.2	0.05	0.05	0.05	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.008	0.01	0.4	0.1	0.3	0.1
106-G1	Garden	0.01	0.006	0.07	0.06	0.005	0.08	--	0.08	0.003	0.001	0.0007	0.009	0.008	0.0006	0.009	--	0.009	0.0004	0.04	0.2	0.09	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
106-G2	Garden	0.01	0.005	0.07	0.08	0.006	0.1	--	0.08	0.003	0.002	0.0005	0.008	0.009	0.0007	0.01	--	0.009	0.0004	0.04	0.2	0.09	0.09	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
106-H1	House	0.01	0.005	0.06	0.08	0.003	0.08	--	0.07	0.003	0.001	0.0006	0.008	0.009	0.0004	0.01	--	0.008	0.0003	0.03	0.2	0.09	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
106-O1	Other -Not Specified	0.01	0.006	0.07	0.08	0.004	0.08	--	0.07	0.002	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.008	0.0003	0.04	0.2	0.09	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
107-H1	House	0.02	0.004	0.05	0.07	0.03	0.1	--	0.1	0.01	0.002	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.001	0.04	0.2	0.07	0.08	0.06	0.7	0.4	0.9	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
108-H1	House	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0009	0.04	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
108-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.002	0.05	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
108-O2	Other -Not Specified	0.02	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.04	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
109-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
110-A1	Agriculture	0.03	0.004	0.08	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.002	0.02	--	0.02	0.001	0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
110G	Garden	0.03	0.004	0.06	0.06	0.005	0.1	--	0.1	0.004	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0004	0.05	0.2	0.08	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
110-G1	Garden	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0004	0.008	0.01	0.001	0.02	--	0.01	0.0009	0.05	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
110-G2	Garden	0.01	0.004	0.07	0.1	0.005	0.1	--	0.09	0.004	0.002	0.0004	0.008	0.01	0.0006	0.02	--	0.01	0.0005	0.04	0.2	0.09	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
110-H1	House	0.02	0.004	0.06	0.09	0.009	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.01	0.001	0.01	--	0.01	0.0008	0.05	0.2	0.08	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
110-O1	Other -Not Specified	0.01	0.003	0.05	0.07	0.007	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.0008	0.01	--	0.01	0.0006	0.04	0.2	0.07	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
110-O2	Other -Not Specified	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.05	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
111-H1	House	0.02	0.004	0.06	0.07	0.004	0.08	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0005	0.01	--	0.01	0.0004	0.04	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
112G	Garden	0.09	0.008	0.08	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0009	0.009	0.009	0.005	0.02	--	0.02	0.002	0.1	0.2	0.1	0.08	0.07	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
112-G1	Garden	0.05	0.01	0.09	0.09	0.02	0.1	--	0.1	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002	0.07	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
112-H1	House	0.04	0.01	0.08	0.08	0.02	0.09	--	0.1	0.02	0.005	0.001	0.009	0.01	0.002	0.01	--	0.01	0.002	0.06	0.2	0.1	0.09	0.04	0.6	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
112-O1	Other -Not Specified	0.07	0.009	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.001	0.009	0.01	0.004	0.01	--	0.02	0.004	0.09	0.2	0.1	0.09	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
113-G1	Garden	0.04	0.006	0.09	0.1	0.03	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.07	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
113-G2	Garden	0.05	0.007	0.1	0.1	0.03	0.2	--	0.2	0.02	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.07	0.2	0.1	0.1	0.06	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
113-G3	Garden	0.03	0.005	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.007	0.008	0.002	0.01	--	0.01	0.001	0.05	0.2	0.08	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
113low	Other -Not Specified	0.08	0.006	0.08	0.1	0.02	0.2	--	0.2	0.02	0.009	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003	0.1	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
113-O1	Other -Not Specified	0.03	0.005	0.08	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.01	0.002	0.06	0.2	0.1	0.1	0.05	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
113up	Other -Not Specified	0.1	0.005	0.08	0.08	0.03	0.2	--	0.3	0.03	0.01	0.0005	0.009	0.009	0.004	0.02	--	0.03	0.004	0.1	0.2	0.1	0.08	0.06	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
114-G1	Garden	0.03	0.005	0.05	0.1	0.02	0.07	--	0.1	0.03	0.004	0.0005	0.006	0.01	0.002	0.009	--	0.02	0.003	0.05	0.2	0.07	0.1	0.04	0.6	0.4	0.9	0.2	0.01	0.09	0.01	0.02	0.01	0.4	0.1	0.3	0.1
114-H1	House	0.04	0.005	0.06	0.2	0.02	0.08	--	0.2	0.03	0.004	0.0006	0.007	0.02	0.003	0.01	--	0.02	0.004	0.06	0.2	0.08	0.2	0.05	0.6	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
114-O1	Other -Not Specified	0.03	0.006	0.06	0.2	0.02	0.08	--	0.2	0.03	0.003	0.0006	0.008	0.02	0.002	0.009	--	0.02	0.003	0.05	0.2	0.09	0.2	0.05	0.6	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
115-O1	Other -Not Specified	0.1	0.008	0.1	0.1	0.03	0.1	--	0.3	0.02	0.02	0.0009	0.01	0.01	0.004	0.01	--	0.04	0.002	0.2	0.2	0.1	0.1	0.06	0.7	0.4	1	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
115SP	Other -Not Specified	0.09	0.005	0.08	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0006	0.009	0.01	0.007	0.02	--	0.04	0.003	0.1	0.2	0.1	0.09	0.09	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
116M	House	0.06	0.004	0.07	0.1	0.05	0.07	--	0.2	0.02	0.007	0.0005	0.008	0.01	0.006	0.008	--	0.02	0.002	0.08	0.2	0.09	0.1	0.08	0.6	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.02	0.4	0.1	0.3	0.1
116-O1	Other -Not Specified	0.02	0.006	0.07	0.08	0.01	0.2	--	0.1	0.01	0.002	0.0007	0.009	0.01	0.002	0.02	--	0.01	0.001	0.04	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
117-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.002	0.004	0.001	0.02	0.02	0.0005	0.02	--	0.01	0.0002	0.06	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
118-G1	Garden	0.01	0.005	0.08	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.02	--	0.01	0.0004	0.04	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
118-G2	Garden	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003	0.03	0.2	0.08	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
118-H1	House	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.01	0.0005	0.01	--	0.009	0.0004	0.03	0.2	0.08	0.09	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
118-N1	Animal Activity Area	0.02	0.004	0.05	0.07	0.007	0.1	--	0.08	0.007	0.002	0.0004	0.006	0.008	0.0009	0.02	--	0.009	0.0008	0.04	0.2	0.07	0.08	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
118-N2	Animal Activity Area	0.02	0.003	0.05	0.07	0.01	0.2	--	0.09	0.01	0.003	0.0004	0.006	0.008	0.001	0.02	--	0.01	0.001	0.05	0.2	0.07	0.08	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
119-P1	Play Area	0.09	0.004	0.08	0.08	0.04	0.2	--	0.2	0.03	0.01	0.0005	0.009	0.01	0.004	0.02	--	0.03	0.003	0.1	0.2	0.1	0.09	0.07	0.8	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
120-A1	Agriculture	0.02	0.01	0.07	0.06	0.008	0.07	--	0.07	0.007	0.003	0.001	0.008	0.007	0.0009	0.009	--	0.009	0.0009	0.05	0.2	0.09	0.07	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
120-G1	Garden	0.02	0.008	0.03	0.04	0.01	0.07	--	0.07	0.01	0.002	0.0009	0.004	0.005	0.001	0.008	--	0.008	0.001	0.04	0.2	0.05	0.05	0.04	0.6	0.4	0.8	0.2	0.01	0.09	0.01	0.008	0.01	0.4	0.1	0.3	0.1
120-H1	House	0.02	0.007	0.05	0.05	0.01	0.07	--	0.07	0.008	0.003	0.0008	0.005	0.006	0.001	0.008	--	0.009	0.0009	0.05	0.2	0.07	0.06	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.009	0.01	0.4	0.1	0.3	0.1
120-O1	Other -Not Specified	0.03	0.01	0.05	0.06	0.01	0.09	--	0.09	0.01	0.004	0.001	0.006	0.006	0.002	0.01	--	0.01	0.001	0.05	0.2	0.07	0.06	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
121-G1	Garden	0.02	0.006	0.07	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.008	0.01	0.0008	0.01	--	0.01	0.0004	0.04	0.2	0.09	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1

Table 5-27. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																			Total HI Across Pathways									
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System									
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
121-H1	House	0.02	0.005	0.07	0.08	0.009	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0007	0.04	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
121-N1	Animal Activity Area	0.02	0.005	0.07	0.09	0.006	0.1	--	0.09	0.003	0.002	0.0006	0.008	0.01	0.0007	0.01	--	0.01	0.0004	0.04	0.2	0.09	0.1	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
121-N2	Animal Activity Area	0.02	0.005	0.07	0.09	0.009	0.1	--	0.1	0.005	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0006	0.04	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
122-G1	Garden	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.04	0.2	0.08	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
122-G2	Garden	0.02	0.004	0.06	0.07	0.008	0.09	--	0.09	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.05	0.2	0.08	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
122-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.002	0.0005	0.009	0.01	0.001	0.02	--	0.01	0.002	0.04	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
122-H2	House	0.01	0.004	0.06	0.08	0.009	0.1	--	0.09	0.008	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009	0.04	0.2	0.08	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
122-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.05	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
122-O2	Other -Not Specified	0.04	0.004	0.07	0.09	0.03	0.1	--	0.2	0.03	0.005	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.003	0.06	0.2	0.09	0.1	0.06	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
122-P1	Play Area	0.04	0.004	0.07	0.09	0.04	0.2	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.02	--	0.02	0.004	0.06	0.2	0.09	0.1	0.06	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
123-G1	Garden	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
123-G2	Garden	0.04	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.01	0.001	0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
123-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.009	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001	0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
123-O1	Other -Not Specified	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001	0.05	0.2	0.1	0.1	0.04	0.8	0.4	0.8	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
123-O2	Other -Not Specified	0.05	0.007	0.1	0.1	0.04	0.2	--	0.2	0.03	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.07	0.2	0.1	0.1	0.06	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
124-G1	Garden	0.01	0.007	0.09	0.1	0.005	0.09	--	0.1	0.006	0.002	0.0009	0.01	0.01	0.0006	0.01	--	0.01	0.0006	0.04	0.2	0.1	0.1	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
124-G2	Garden	0.04	0.01	0.2	0.1	0.02	0.1	--	0.2	0.01	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.002	0.06	0.2	0.2	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
124-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.007	0.004	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0008	0.05	0.2	0.2	0.2	0.03	0.7	0.4	0.9	0.1	0.01	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
124-N1	Animal Activity Area	0.02	0.009	0.08	0.07	0.005	0.07	--	0.09	0.005	0.002	0.001	0.009	0.008	0.0006	0.008	--	0.01	0.0005	0.04	0.2	0.1	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
124-N2	Animal Activity Area	0.01	0.005	0.07	0.1	0.001	0.08	--	0.07	0.001	0.001	0.0006	0.008	0.01	0.0002	0.01	--	0.008	0.0001	0.03	0.2	0.09	0.1	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
124-O1	Other -Not Specified	0.03	0.01	0.2	0.1	0.01	0.2	--	0.2	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002	0.06	0.2	0.2	0.2	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
125-O1	Other -Not Specified	0.02	0.007	0.09	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0008	0.01	0.01	0.001	0.01	--	0.01	0.001	0.05	0.2	0.1	0.09	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
126-A1	Agriculture	0.02	0.003	0.04	0.07	0.008	0.09	--	0.09	0.007	0.002	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.0008	0.04	0.2	0.06	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
126-G1	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.004	0.003	0.0005	0.007	0.01	0.0008	0.01	--	0.01	0.0005	0.05	0.2	0.08	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
126-G2	Garden	0.02	0.004	0.05	0.07	0.008	0.1	--	0.08	0.006	0.002	0.0004	0.006	0.008	0.0009	0.01	--	0.01	0.0007	0.04	0.2	0.07	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
126-H1	House	0.01	0.003	0.04	0.06	0.004	0.07	--	0.06	0.003	0.001	0.0003	0.005	0.007	0.0004	0.008	--	0.007	0.0004	0.03	0.2	0.06	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
126-O1	Other -Not Specified	0.02	0.003	0.05	0.07	0.007	0.09	--	0.08	0.005	0.002	0.0004	0.005	0.008	0.0008	0.01	--	0.01	0.0006	0.04	0.2	0.07	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
126-O2	Other -Not Specified	0.01	0.003	0.04	0.07	0.006	0.07	--	0.07	0.003	0.002	0.0003	0.005	0.008	0.0007	0.008	--	0.008	0.0004	0.04	0.2	0.06	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
126-O3	Other -Not Specified	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.005	0.002	0.0005	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.04	0.2	0.09	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
126-P1	Play Area	0.01	0.003	0.04	0.06	0.005	0.05	--	0.1	0.003	0.002	0.0003	0.005	0.007	0.0006	0.005	--	0.01	0.0004	0.04	0.2	0.06	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
127-A1	Agriculture	0.03	0.004	0.07	0.09	0.02	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.003	0.02	--	0.02	0.002	0.06	0.2	0.09	0.1	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
127-G1	Garden	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.04	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
127-G2	Garden	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009	0.05	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
127-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.001	0.05	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
127-H2	House	0.01	0.005	0.06	0.08	0.007	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006	0.04	0.2	0.08	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
127-N1	Animal Activity Area	0.02	0.003	0.05	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0004	0.006	0.009	0.002	0.01	--	0.01	0.001	0.05	0.2	0.07	0.09	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
128-G1	Garden	0.05	0.01	0.1	0.1	0.008	0.1	--	0.1	0.006	0.006	0.001	0.01	0.01	0.0009	0.02	--	0.02	0.0007	0.08	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
128-G2	Garden	0.05	0.02	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.002	0.01	0.01	0.001	0.02	--	0.02	0.001	0.07	0.3	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
128-G3	Garden	0.03	0.008	0.1	0.1	0.006	0.1	--	0.1	0.004	0.004	0.0009	0.01	0.01	0.0007	0.02	--	0.02	0.0005	0.06	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
128-N1	Animal Activity Area	0.05	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
128-O1	Other -Not Specified	0.04	0.02	0.09	0.1	0.01	0.1	--	0.1	0.007	0.004	0.002	0.01	0.01	0.001	0.02	--	0.02	0.0009	0.06	0.3	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
129-H1	House	0.05	0.004	0.05	0.08	0.04	0.07	--	0.2	0.02	0.006	0.0004	0.006	0.009	0.004	0.008	--	0.02	0.002	0.08	0.2	0.07	0.09	0.07	0.6	0.4	0.9	0.2	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
129-H2	House	0.05	0.003	0.05	0.07	0.04	0.08	--	0.2	0.02	0.005	0.0004	0.006	0.008	0.004	0.009	--	0.02	0.003	0.07	0.2	0.07	0.08	0.06	0.6	0.4	0.9	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
130-G1	Garden	0.01	0.004	0.05	0.07	0.006	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0006	0.01	--	0.008	0.0005	0.04	0.2	0.07	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
130-H1	House	0.008	0.004	0.05	0.08	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.006	0.009	0.0003	0.008	--	0.008	0.0003	0.03	0.2	0.07	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
130-H2	House	0.02	0.005	0.07	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0007	0.04	0.2	0.09	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
131-H1	House	0.03	0.005	0.07	0.09	0.01	0.09	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.002	0.05	0.2	0.09	0.1	0.04	0.6	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
132-G1	Garden	0.01	0.004	0.06	0.08	0.003	0.06	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.007	--	0.008	0.0003	0.03	0.2	0.08	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
132-G2	Garden	0.009	0.004	0.07	0.09	0.002	0.08	--	0.07	0.001	0.001	0.0005	0.008	0.01	0.0002	0.009	--	0.008	0.0001	0.03	0.2	0.09	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
132-H1	House	0.01	0.004	0.05	0.07	0.004	0.07	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.008	--	0.009	0.0004	0.04	0.2	0.07	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
132-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0004	0.04	0.2	0.09	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
133-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.1	--	0.2	0.02	0.005	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002	0.07	0.2	0.09	0.1	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
133-H1	House	0.03	0.02	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.002	0.008	0.01	0.001	0.01	--	0.01	0.001	0.05	0.2	0.09	0.09	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
134-O1	Other -Not Specified	0.1	0.004	0.07	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0005	0.008	0.01	0.007	0.01	--	0.04	0.004	0.1	0.2	0.09	0.09	0.09	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
135-G1	Garden	0.05	0.005	0.07	0.07	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.02	--	0.02	0.001	0.07	0.2	0.09	0.08	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
135-H1	House	0.05	0.005	0.07	0.09	0.01	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.002	0.07	0.2	0.09	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
135-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.001	0.08	0.2	0.09	0.1	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
136-A1	Agriculture	0.02	0.005	0.06	0.08	0.01	0.08	--	0.09	0.005	0.002	0.0006	0.007	0.009	0.001	0.009	--	0.01	0.0005	0.04	0.2	0.08	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
136-G1	Garden	0.01	0.005	0.06	0.07	0.007	0.08	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0008	0.01	--	0.01	0.0005	0.04	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
136-H1	House	0.02	0.005	0.06	0.07	0.009	0.07	--	0.09	0.005	0.002	0.0006	0.006	0.008	0.001	0.008	--	0.01	0.0006	0.04	0.2	0.08	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
136-O1	Other -Not Specified	0.02	0.003	0.04	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.005	0.007	0.003	0.01	--	0.02	0.002	0.04	0.2	0.06	0.07	0.05	0.6	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
137-O1	Other -Not Specified	0.02	0.003	0.04	0.05	0.02	0.09	--	0.1	0.02	0.002	0.0003	0.005	0.006	0.002	0.01	--	0.01	0.002	0.04	0.2	0.06	0.06	0.05	0.6	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
137-O2	Other -Not Specified	0.02	0.003	0.05	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.002	0.04	0.2	0.07	0.07	0.04	0.6	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
138-G1	Garden	0.02	0.008	0.09	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.001	0.05	0.2	0.1	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
138-G2	Garden	0.02	0.009	0.09	0.08	0.01	0.1	--	0.08	0.009	0.002	0.001	0.01	0.009	0.001	0.02	--	0.01	0.001	0.04	0.2	0.1	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
138-H1	House	0.02	0.009	0.09	0.1	0.009	0.1	--	0.1	0.007	0.002	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0008	0.04	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
138-O1	Other -Not Specified	0.01	0.007	0.08	0.1	0.006	0.1	--	0.09	0.005	0.002	0.0008	0.009	0.01	0.0007	0.01	--	0.01	0.0006	0.04	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1

Table 5-27. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																					
138-O2	Other -Not Specified	0.02	0.01	0.08	0.08	0.01	0.1	--	0.09	0.02	0.003	0.001	0.009	0.009	0.001	0.01	--	0.01	0.002		0.05	0.2	0.1	0.09	0.04	0.6	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
139-G1	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0006		0.04	0.2	0.1	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
139-G2	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0009	0.01	--	0.01	0.0006		0.04	0.2	0.1	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
139-H1	House	0.02	0.004	0.07	0.07	0.006	0.1	--	0.09	0.006	0.002	0.0005	0.009	0.009	0.0007	0.01	--	0.01	0.0007		0.04	0.2	0.09	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
139-N1	Animal Activity Area	0.02	0.004	0.08	0.08	0.008	0.1	--	0.1	0.006	0.002	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.0007		0.04	0.2	0.1	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
140-G1	Garden	0.09	0.004	0.07	0.09	0.05	0.2	--	0.2	0.02	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.003		0.1	0.2	0.09	0.1	0.08	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
140-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001		0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
140-O1	Other -Not Specified	0.2	0.004	0.07	0.08	0.06	0.2	--	0.4	0.04	0.02	0.0005	0.008	0.01	0.008	0.02	--	0.04	0.005		0.2	0.2	0.09	0.09	0.09	0.7	0.4	1	0.2	0.03	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
140-O2[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001		0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
141-A1	Agriculture	0.03	0.009	0.1	0.1	0.008	0.2	--	0.1	0.006	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0006		0.06	0.2	0.2	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
141-H1	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.001	0.01	0.01	0.001	0.01	--	0.01	0.0008		0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
141-H2	House	0.04	0.01	0.2	0.1	0.02	0.2	--	0.1	0.01	0.005	0.001	0.02	0.02	0.002	0.02	--	0.02	0.001		0.07	0.2	0.2	0.2	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
141-H3	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.008	0.004	0.001	0.01	0.02	0.001	0.02	--	0.01	0.001		0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
141-N1	Animal Activity Area	0.02	0.006	0.08	0.1	0.007	0.1	--	0.08	0.005	0.002	0.0007	0.01	0.01	0.0008	0.01	--	0.009	0.0006		0.04	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
141-N2	Animal Activity Area	0.04	0.009	0.1	0.1	0.01	0.2	--	0.1	0.007	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0008		0.06	0.2	0.2	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
141-N3	Animal Activity Area	0.01	0.004	0.05	0.06	0.004	0.05	--	0.09	0.002	0.001	0.0004	0.006	0.007	0.0005	0.006	--	0.01	0.0003		0.04	0.2	0.08	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
141-N4	Animal Activity Area	0.03	0.009	0.1	0.1	0.009	0.1	--	0.1	0.006	0.004	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0007		0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
141-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.02	0.001	0.02	--	0.01	0.0008		0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
142-H1	House	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.02	0.001		0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
142-O1	Other -Not Specified	0.02	0.005	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.001		0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
143-A1	Agriculture	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007		0.04	0.2	0.08	0.08	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
143-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0008		0.04	0.2	0.08	0.08	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
143-G2	Garden	0.02	0.004	0.07	0.07	0.007	0.1	--	0.1	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006		0.04	0.2	0.09	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
143-H1	House	0.02	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009		0.05	0.2	0.08	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
144-G1	Garden	0.04	0.005	0.08	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002		0.06	0.2	0.1	0.09	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
144-H1	House	0.04	0.004	0.07	0.08	0.02	0.1	--	0.2	0.02	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002		0.06	0.2	0.09	0.09	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
145-A1	Agriculture	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.02	--	0.01	0.001		0.04	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
145-H1	House	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002		0.06	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
146G	Garden	0.03	0.007	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0008	0.01	0.01	0.0007	0.02	--	0.02	0.0005		0.06	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
146-H1	House	0.2	0.004	0.07	0.09	0.1	0.2	--	0.7	0.2	0.02	0.0005	0.009	0.01	0.01	0.03	--	0.08	0.02		0.2	0.2	0.09	0.09	0.1	0.8	0.4	1	0.3	0.03	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.2
147-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0007		0.04	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
147-G2	Garden	0.02	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.001		0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
147-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0006	0.008	0.01	0.001	0.02	--	0.01	0.001		0.04	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
148-H1	House	0.01	0.004	0.06	0.07	0.004	0.07	--	0.08	0.004	0.001	0.0005	0.007	0.009	0.0005	0.008	--	0.009	0.0005		0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
148-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.08	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0006		0.04	0.2	0.09	0.1	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
148-O3	Other -Not Specified	0.03	0.005	0.07	0.09	0.01	0.08	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.009	--	0.02	0.001		0.05	0.2	0.09	0.1	0.04	0.6	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
149-A1	Agriculture	0.04	0.05	0.3	0.2	0.02	0.2	--	0.3	0.05	0.005	0.006	0.03	0.02	0.002	0.02	--	0.03	0.006		0.06	0.3	0.3	0.2	0.04	0.7	0.4	1	0.2	0.01	0.09	0.04	0.03	0.01	0.4	0.1	0.3	0.1
149-G1	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003		0.06	0.3	0.2	0.2	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
149-G2	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003		0.06	0.3	0.2	0.2	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
149-H1	House	0.04	0.03	0.2	0.1	0.02	0.2	--	0.2	0.03	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003		0.06	0.3	0.2	0.2	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
149-N1	Animal Activity Area	0.02	0.02	0.2	0.1	0.01	0.1	--	0.2	0.02	0.003	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002		0.05	0.3	0.2	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
150-G1	Garden	0.01	0.004	0.05	0.07	0.005	0.08	--	0.08	0.004	0.002	0.0005	0.006	0.009	0.0006	0.009	--	0.01	0.0004		0.04	0.2	0.07	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
150-H1	House	0.01	0.005	0.06	0.07	0.005	0.08	--	0.07	0.004	0.001	0.0005	0.007	0.009	0.0005	0.009	--	0.008	0.0004		0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
151-H1	House	0.02	0.006	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.008	0.01	0.001	0.01	--	0.01	0.001		0.05	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
152-G1	Garden	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001		0.06	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
152-H1	House	0.04	0.007	0.08	0.07	0.02	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.008	0.002	0.01	--	0.02	0.002		0.06	0.2	0.1	0.08	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
153-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.2	--	0.1	0.01	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001		0.07	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
153-H1	House	0.08	0.006	0.09	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0007	0.01	0.01	0.004	0.02	--	0.03	0.004		0.1	0.2	0.1	0.1	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
153-O1	Other -Not Specified	0.04	0.005	0.08	0.08	0.03	0.3	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.03	--	0.02	0.003		0.06	0.2	0.1	0.09	0.06	0.8	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
153-O2	Other -Not Specified	0.04	0.003	0.04	0.05	0.05	0.1	--	0.2	0.03	0.005	0.0003	0.004	0.006	0.006	0.02	--	0.02	0.003		0.06	0.2	0.06	0.06	0.08	0.7	0.4	0.9	0.2	0.01	0.09	0.01	0.009	0.02	0.4	0.1	0.3	0.1
153-O3	Other -Not Specified	0.07	0.005	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	0.0006	0.009	0.01	0.004	0.02	--	0.02	0.002		0.1	0.2	0.1	0.1	0.06	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
153-O5	Other -Not Specified	0.08	0.005	0.07	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0005	0.008	0.01	0.004	0.02	--	0.03	0.003		0.1	0.2	0.09	0.1	0.06	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
153-O6	Other -Not Specified	0.05	0.005	0.08	0.1	0.02	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.001		0.07	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
153-O7	Other -Not Specified	0.08	0.005	0.08	0.09	0.05	0.2	--	0.2	0.04	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.005		0.1	0.2	0.1	0.1	0.08	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
153-P1	Play Area	0.07	0.005	0.09	0.09	0.04	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.03	--	0.03	0.004		0.1	0.2	0.1	0.1	0.06	0.8	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
154-G1	Garden	0.01	0.006	0.08	0.09	0.003	0.1	--	0.09	0.003	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.01	0.0003		0.03	0.2	0.1	0.1	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
154-H1	House	0.01	0.005	0.07	0.07	0.007	0.07	--	0.08	0.003	0.001	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0004		0.03	0.2	0.09	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
155-G1	Garden	0.04	0.004	0.07	0.07	0.02	0.1	--	0.1	0.02	0.005	0.0005	0.008	0.008	0.003	0.02	--	0.02	0.002		0.06	0.2	0.09	0.08	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
155-G2	Garden	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.001		0.05	0.2	0.09	0.09	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
155-H1	House	0.02	0.005	0.07	0.07	0.008	0.08	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006		0.04	0.2	0.09	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
155-H2	House	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.02	0.001		0.05	0.2	0.08	0.08	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
155-O2	Other -Not Specified	0.04	0.003	0.06	0.06	0.04	0.1	--	0.2	0.02	0.005	0.0004	0.007	0.007	0.005	0.01	--	0.02	0.003		0.06	0.2	0.08	0.07	0.07	0.7	0.4	0.9	0.2	0.01	0.09	0.01	0.01	0.02	0.4	0.1	0.3	0.1
156-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0009		0.04	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
156-O1	Other -Not Specified	0.03	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.006	0.008	0.003	0.01	--	0.02	0.002		0.05	0.2	0.07	0.08	0.05	0.6	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
157-G1	Garden	0.02	0.005	0.07	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0008	0.009	--	0.01	0.0006		0.04	0.2	0.09	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
157-H1	House	0.02	0.005	0.07	0.08	0.01	0.07	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.002	0.009	--	0.02	0.001		0.05	0.2	0.09	0.09	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1

Table 5-27. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
157-H2	House	0.02	0.005	0.07	0.08	0.008	0.07	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.009	--	0.01	0.0008	0.04	0.2	0.09	0.09	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
157-O1	Other -Not Specified	0.02	0.004	0.06	0.06	0.009	0.06	--	0.09	0.007	0.002	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.0008	0.04	0.2	0.08	0.07	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
158-H1	House	0.01	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0005	0.008	--	0.01	0.0004	0.04	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
158-O1	Other -Not Specified	0.01	0.005	0.07	0.08	0.006	0.08	--	0.1	0.004	0.001	0.0005	0.008	0.009	0.0007	0.009	--	0.01	0.0004	0.04	0.2	0.09	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
159-G1	Garden	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0008	0.05	0.2	0.08	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
159-H1	House	0.02	0.003	0.05	0.06	0.006	0.07	--	0.08	0.006	0.002	0.0004	0.005	0.007	0.0007	0.008	--	0.009	0.0007	0.04	0.2	0.07	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
159-H2	House	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.06	0.2	0.08	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
159-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.005	0.08	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006	0.04	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
159-O2	Other -Not Specified	0.02	0.004	0.06	0.07	0.006	0.08	--	0.08	0.006	0.002	0.0005	0.007	0.008	0.0007	0.009	--	0.009	0.0007	0.04	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
160-G1	Garden	0.03	0.004	0.06	0.07	0.009	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.05	0.2	0.08	0.08	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
160-H1	House	0.02	0.004	0.07	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0005	0.008	0.01	0.0007	0.01	--	0.01	0.0008	0.05	0.2	0.09	0.09	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
160-H2	House	0.02	0.005	0.07	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0006	0.04	0.2	0.09	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
161-H1	House	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.002	0.05	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
161-N1	Animal Activity Area	0.02	0.004	0.06	0.06	0.008	0.08	--	0.09	0.01	0.002	0.0005	0.007	0.007	0.0009	0.009	--	0.01	0.001	0.04	0.2	0.08	0.07	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
162-H1	House	0.01	0.003	0.05	0.06	0.02	0.05	--	0.08	0.008	0.002	0.0003	0.006	0.008	0.002	0.006	--	0.009	0.0009	0.04	0.2	0.07	0.07	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
163G	Garden	0.09	0.005	0.07	0.08	0.02	0.2	--	0.2	0.02	0.01	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002	0.1	0.2	0.09	0.09	0.04	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
163-G1	Garden	0.01	0.003	0.05	0.06	0.008	0.09	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.001	0.01	--	0.009	0.0006	0.04	0.2	0.07	0.07	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
163-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001	0.04	0.2	0.08	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
164-H1	House	0.03	0.005	0.07	0.09	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.002	0.05	0.2	0.09	0.1	0.05	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
165-H1	House	0.03	0.01	0.2	0.2	0.009	0.1	--	0.09	0.005	0.003	0.002	0.02	0.02	0.001	0.02	--	0.01	0.0006	0.05	0.2	0.2	0.2	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
165-O1	Other -Not Specified	0.04	0.02	0.2	0.2	0.02	0.2	--	0.1	0.01	0.005	0.002	0.03	0.02	0.002	0.02	--	0.02	0.002	0.07	0.3	0.3	0.2	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.04	0.03	0.01	0.4	0.1	0.3	0.1
166-O1	Other -Not Specified	0.05	0.004	0.05	0.1	0.03	0.07	--	0.2	0.03	0.005	0.0004	0.006	0.01	0.003	0.008	--	0.02	0.003	0.07	0.2	0.07	0.1	0.06	0.6	0.4	0.9	0.2	0.01	0.09	0.01	0.02	0.01	0.4	0.1	0.3	0.1
167-O1	Other -Not Specified	0.02	0.004	0.06	0.08	0.009	0.08	--	0.1	0.01	0.002	0.0005	0.007	0.009	0.001	0.009	--	0.01	0.001	0.04	0.2	0.08	0.09	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
167-O2	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.07	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.008	--	0.02	0.001	0.05	0.2	0.07	0.07	0.04	0.6	0.4	0.9	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
167-O3	Other -Not Specified	0.03	0.004	0.07	0.08	0.03	0.1	--	0.2	0.02	0.003	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.002	0.05	0.2	0.09	0.09	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
167-O4	Other -Not Specified	0.02	0.004	0.06	0.08	0.02	0.08	--	0.2	0.01	0.003	0.0005	0.007	0.01	0.002	0.009	--	0.02	0.001	0.05	0.2	0.08	0.09	0.04	0.6	0.4	0.9	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
167-O5	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.08	--	0.2	0.01	0.003	0.0004	0.007	0.009	0.002	0.009	--	0.02	0.001	0.05	0.2	0.08	0.08	0.05	0.6	0.4	0.9	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
167-O6	Other -Not Specified	0.03	0.004	0.06	0.07	0.03	0.1	--	0.1	0.02	0.004	0.0004	0.006	0.009	0.003	0.01	--	0.02	0.002	0.05	0.2	0.08	0.08	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
167-O7	Other -Not Specified	0.06	0.004	0.06	0.08	0.05	0.1	--	0.2	0.03	0.007	0.0004	0.007	0.009	0.006	0.01	--	0.03	0.004	0.08	0.2	0.08	0.08	0.08	0.7	0.4	0.9	0.2	0.02	0.09	0.01	0.01	0.02	0.4	0.1	0.3	0.1
167-O8	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.08	--	0.1	0.01	0.002	0.0004	0.005	0.008	0.003	0.01	--	0.02	0.001	0.04	0.2	0.07	0.08	0.05	0.6	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
167-O9	Other -Not Specified	0.02	0.004	0.05	0.08	0.02	0.09	--	0.1	0.01	0.003	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.002	0.05	0.2	0.07	0.08	0.05	0.6	0.4	0.9	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
168-G1	Garden	0.01	0.006	0.06	0.07	0.006	0.09	--	0.08	0.008	0.001	0.0007	0.007	0.009	0.0007	0.01	--	0.01	0.0009	0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
168-G2	Garden	0.01	0.007	0.07	0.08	0.007	0.1	--	0.1	0.006	0.001	0.0008	0.008	0.009	0.0008	0.01	--	0.01	0.0007	0.04	0.2	0.09	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
168-H1	House	0.009	0.005	0.06	0.08	0.004	0.07	--	0.08	0.004	0.001	0.0006	0.007	0.009	0.0005	0.009	--	0.009	0.0005	0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
168-N1	Animal Activity Area	0.01	0.007	0.06	0.06	0.007	0.09	--	0.07	0.007	0.002	0.0008	0.007	0.007	0.0008	0.01	--	0.008	0.0008	0.04	0.2	0.08	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
168-O1	Other -Not Specified	0.04	0.01	0.07	0.08	0.03	0.07	--	0.1	0.02	0.005	0.002	0.009	0.009	0.003	0.009	--	0.02	0.002	0.07	0.2	0.09	0.09	0.05	0.6	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
169A	Other -Not Specified	0.03	0.004	0.06	0.1	0.05	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.006	0.007	--	0.02	0.002	0.06	0.2	0.08	0.1	0.08	0.6	0.4	0.9	0.2	0.01	0.09	0.01	0.02	0.02	0.4	0.1	0.3	0.1
169-G2	Garden	0.01	0.004	0.06	0.08	0.008	0.07	--	0.08	0.006	0.002	0.0005	0.007	0.009	0.0009	0.008	--	0.009	0.0007	0.04	0.2	0.08	0.09	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
169-G3	Garden	0.02	0.006	0.08	0.1	0.01	0.1	--	0.1	0.006	0.002	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0008	0.04	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
169-G4	Garden	0.02	0.004	0.06	0.09	0.01	0.09	--	0.08	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.04	0.2	0.08	0.1	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
169-H1	House	0.01	0.004	0.05	0.07	0.007	0.08	--	0.06	0.004	0.001	0.0004	0.005	0.008	0.0009	0.01	--	0.007	0.0005	0.04	0.2	0.07	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
170-G1	Garden	0.02	0.005	0.07	0.1	0.008	0.1	--	0.09	0.006	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0007	0.04	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
170-G2	Garden	0.02	0.005	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.01	0.002	0.05	0.2	0.09	0.1	0.05	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
170-H1	House	0.02	0.004	0.06	0.08	0.01	0.09	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0009	0.04	0.2	0.08	0.09	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
171-A1	Agriculture	0.04	0.01	0.2	0.1	0.02	0.2	--	0.2	0.02	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.003	0.06	0.2	0.2	0.2	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
171-G1	Garden	0.05	0.01	0.1	0.1	0.03	0.2	--	0.2	0.03	0.006	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003	0.07	0.2	0.2	0.1	0.06	0.8	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
171-H1	House	0.03	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.003	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.003	0.05	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
172U	Other -Not Specified	0.04	0.005	0.05	0.2	0.02	0.06	--	0.2	0.04	0.005	0.0006	0.006	0.02	0.003	0.007	--	0.02	0.004	0.07	0.2	0.07	0.2	0.05	0.6	0.4	0.9	0.2	0.01	0.09	0.01	0.02	0.01	0.4	0.1	0.3	0.1
173-G1	Garden	0.02	0.006	0.07	0.1	0.007	0.1	--	0.09	0.005	0.002	0.0008	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.04	0.2	0.09	0.1	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
173-G2	Garden	0.01	0.006	0.07	0.1	0.003	0.07	--	0.07	0.002	0.001	0.0007	0.008	0.01	0.0003	0.008	--	0.008	0.0002	0.04	0.2	0.09	0.1	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
173-G3	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0009	0.008	0.01	0.001	0.01	--	0.01	0.001	0.06	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
173-G4	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0009	0.008	0.01	0.002	0.01	--	0.01	0.001	0.06	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
173-G5	Garden	0.02	0.006	0.08	0.1	0.005	0.1	--	0.08	0.003	0.002	0.0007	0.01	0.01	0.0006	0.01	--	0.01	0.0003	0.05	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
173-H1	House	0.03	0.006	0.06	0.08	0.01	0.09	--	0.1	0.01	0.003	0.0007	0.007	0.009	0.002	0.01	--	0.01	0.002	0.05	0.2	0.08	0.09	0.04	0.6	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
173-P1	Play Area	0.03	0.006	0.07	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0007	0.008	0.01	0.002	0.01	--	0.02	0.002	0.05	0.2	0.09	0.1	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
174-A1	Agriculture	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.001	0.05	0.2	0.1	0.1	0.04	0.8	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
174-G1	Garden	0.03	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.03	--	0.02	0.001	0.06	0.2	0.1	0.1	0.04	0.8	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
174-H1	House	0.04	0.008	0.1	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002	0.06	0.2	0.1	0.09	0.06	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
174M	House	0.01	0.004	0.06	0.06	0.002	0.06	--	0.07	0.004	0.002	0.0005	0.007	0.007	0.0003	0.007	--	0.008	0.0005	0.04	0.2	0.08	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
175-G1	Garden	0.02	0.004	0.05	0.06	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.001	0.04	0.2	0.07	0.07	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
175-G2	Garden	0.01	0.004	0.05	0.06	0.005	0.06	--	0.07	0.003	0.001	0.0004	0.005	0.007	0.0006	0.007	--	0.008	0.0004	0.03	0.2	0.07	0.06	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
175-H1	House	0.01	0.003	0.04	0.06	0.01	0.08	--	0.09	0.008	0.002	0.0004	0.005	0.007	0.001	0.009	--	0.01	0.001	0.04	0.2	0.06	0.07	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
176-A1	Agriculture	0.02	0.005	0.07	0.07	0.009	0.09	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006	0.04	0.2	0.09	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
176G	Garden	0.05	0.005	0.06	0.06	0.02	0.1	--	0.1	0.01	0.006	0.0006	0.007	0.007	0.002	0.01	--	0.02	0.002	0.07	0.2	0.08	0.07	0.04	0.6	0.4	0.9	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
176-H1	House	0.02	0.004	0.06	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0007	0.04	0.2	0.08	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
176-H2	House	0.02	0.005	0.06	0.07	0.007	0.08	--	0.1	0.004	0.002	0.0006	0.008	0.009	0.0009	0.009	--	0.01	0.0005	0.04	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
176M	House	0.05	0.004	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0005	0.006	0.007	0.002	0.01	--	0.02	0.003	0.08	0.2	0.07	0.07	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1

Table 5-27. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
176-P1	Play Area	0.02	0.004	0.05	0.08	0.006	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.009	0.0007	0.01	--	0.01	0.0006	0.04	0.2	0.07	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
178-H1	House	0.02	0.005	0.08	0.1	0.005	0.1	--	0.1	0.003	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0004	0.04	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
179-H1	House	0.03	0.006	0.07	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0008	0.008	0.01	0.001	0.02	--	0.01	0.001	0.05	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
180-H1	House	0.07	0.005	0.07	0.09	0.05	0.09	--	0.3	0.02	0.009	0.0005	0.008	0.01	0.005	0.01	--	0.03	0.002	0.1	0.2	0.09	0.1	0.07	0.6	0.4	1	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
180-H2[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
180-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.08	0.1	--	0.3	0.02	0.006	0.0005	0.008	0.01	0.009	0.01	--	0.04	0.003	0.07	0.2	0.09	0.1	0.1	0.6	0.4	1	0.2	0.01	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
181-A1	Agriculture	0.06	0.006	0.08	0.09	0.01	0.2	--	0.2	0.01	0.007	0.0008	0.009	0.01	0.002	0.02	--	0.02	0.001	0.08	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
181-G1	Garden	0.04	0.005	0.07	0.08	0.008	0.1	--	0.1	0.004	0.005	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0005	0.07	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
181-G2	Garden	0.06	0.007	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.08	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
181-H1	House	0.06	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001	0.09	0.2	0.1	0.1	0.05	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
181-H2	House	0.07	0.007	0.1	0.1	0.02	0.2	--	0.2	0.01	0.009	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.1	0.2	0.1	0.1	0.05	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
181-N1	Animal Activity Area	0.08	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.009	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002	0.1	0.2	0.1	0.1	0.05	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
181-N2	Animal Activity Area	0.06	0.006	0.08	0.09	0.02	0.2	--	0.2	0.01	0.008	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.09	0.2	0.1	0.09	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
181-O1	Other -Not Specified	0.04	0.007	0.09	0.09	0.008	0.1	--	0.1	0.006	0.004	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0007	0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
182-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.2	--	0.2	0.03	0.004	0.001	0.01	0.01	0.003	0.02	--	0.02	0.003	0.06	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
182-G2	Garden	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.03	0.008	0.001	0.02	0.01	0.003	0.03	--	0.03	0.003	0.09	0.2	0.1	0.1	0.05	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
182-H1	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.2	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
182-H2	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
182-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
182-O2	Other -Not Specified	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	0.001	0.01	0.01	0.003	0.03	--	0.02	0.003	0.1	0.2	0.1	0.1	0.05	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
182-O3	Other -Not Specified	0.03	0.01	0.09	0.08	0.02	0.2	--	0.2	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.003	0.05	0.2	0.1	0.09	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
184-H1	House	0.05	0.003	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0004	0.006	0.007	0.003	0.01	--	0.02	0.002	0.07	0.2	0.07	0.07	0.05	0.6	0.4	0.9	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
185-A1	Agriculture	0.02	0.009	0.08	0.08	0.01	0.08	--	0.1	0.008	0.003	0.001	0.009	0.009	0.002	0.009	--	0.02	0.0009	0.05	0.2	0.1	0.09	0.04	0.6	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
185G	Garden	0.05	0.008	0.1	0.1	0.007	0.1	--	0.2	0.004	0.006	0.0009	0.02	0.01	0.0008	0.02	--	0.02	0.0005	0.08	0.2	0.2	0.1	0.03	0.7	0.4	0.9	0.1	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
185-H1	House	0.02	0.008	0.07	0.09	0.01	0.09	--	0.1	0.008	0.003	0.0009	0.009	0.01	0.001	0.01	--	0.02	0.0009	0.05	0.2	0.09	0.1	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
186-O1	Other -Not Specified	0.05	0.004	0.06	0.1	0.03	0.07	--	0.2	0.03	0.006	0.0005	0.007	0.02	0.004	0.009	--	0.02	0.003	0.07	0.2	0.08	0.2	0.06	0.6	0.4	0.9	0.2	0.01	0.09	0.01	0.02	0.01	0.4	0.1	0.3	0.1
187-H1	House	0.02	0.004	0.07	0.08	0.02	0.1	--	0.1	0.01	0.002	0.0005	0.008	0.009	0.002	0.01	--	0.02	0.002	0.04	0.2	0.09	0.09	0.05	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
188-A1	Agriculture	0.02	0.008	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001	0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
188-G1	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.01	0.002	0.05	0.2	0.1	0.1	0.05	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
188-G2	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.2	0.1	0.1	0.05	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
188-G3	Garden	0.02	0.006	0.09	0.09	0.01	0.2	--	0.1	0.008	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.01	0.001	0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
188-H1	House	0.01	0.01	0.08	0.09	0.007	0.1	--	0.1	0.005	0.002	0.001	0.01	0.01	0.0008	0.02	--	0.01	0.0006	0.04	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
188-P1	Play Area	0.02	0.005	0.07	0.08	0.008	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008	0.04	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
189-G1	Garden	0.02	0.006	0.08	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.009	0.01	0.0009	0.01	--	0.01	0.0005	0.04	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
189-H1	House	0.02	0.005	0.07	0.08	0.008	0.09	--	0.1	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008	0.04	0.2	0.09	0.09	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
189-H2	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.001	0.05	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
189-O1	Other -Not Specified	0.04	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001	0.06	0.2	0.09	0.09	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
190-G1	Garden	0.009	0.004	0.07	0.08	0.004	0.08	--	0.1	0.002	0.001	0.0005	0.008	0.009	0.0005	0.01	--	0.01	0.0002	0.03	0.2	0.09	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
190-H1	House	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.005	0.001	0.0005	0.007	0.008	0.0006	0.01	--	0.008	0.0005	0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
190-N1	Animal Activity Area	0.01	0.005	0.07	0.09	0.005	0.1	--	0.08	0.003	0.001	0.0005	0.008	0.01	0.0005	0.01	--	0.009	0.0004	0.04	0.2	0.09	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
190-N2	Animal Activity Area	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003	0.03	0.2	0.08	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
190-N3	Animal Activity Area	0.009	0.004	0.06	0.08	0.003	0.09	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003	0.03	0.2	0.08	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
190-O1	Other -Not Specified	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009	0.04	0.2	0.1	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
191-H1	House	0.03	0.007	0.08	0.09	0.03	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.01	0.003	0.01	--	0.02	0.002	0.06	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
192-A1	Agriculture	0.03	0.01	0.08	0.09	0.02	0.09	--	0.1	0.008	0.003	0.001	0.01	0.01	0.002	0.01	--	0.02	0.0009	0.05	0.2	0.1	0.1	0.05	0.6	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
192-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.09	--	0.2	0.007	0.004	0.002	0.01	0.01	0.003	0.01	--	0.02	0.0008	0.06	0.2	0.1	0.1	0.05	0.6	0.4	0.9	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
192-H1	House	0.02	0.008	0.07	0.08	0.02	0.08	--	0.1	0.007	0.003	0.001	0.008	0.01	0.002	0.009	--	0.01	0.0008	0.05	0.2	0.09	0.09	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
193-G1	Garden	0.01	0.003	0.05	0.06	0.003	0.06	--	0.06	0.002	0.001	0.0004	0.006	0.007	0.0003	0.007	--	0.007	0.0002	0.03	0.2	0.07	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
193-H1	House	0.01	0.004	0.06	0.07	0.003	0.07	--	0.07	0.002	0.001	0.0005	0.007	0.008	0.0004	0.008	--	0.008	0.0003	0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
194-H1	House	0.008	0.004	0.05	0.07	0.003	0.07	--	0.07	0.003	0.0009	0.0004	0.006	0.008	0.0004	0.008	--	0.009	0.0003	0.03	0.2	0.07	0.07	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
194-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.006	0.09	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0007	0.01	--	0.01	0.0005	0.04	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
195-G1	Garden	0.02	0.004	0.05	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.0008	0.05	0.2	0.07	0.08	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
195-G2	Garden	0.03	0.004	0.06	0.08	0.03	0.2	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.003	0.02	--	0.02	0.002	0.06	0.2	0.08	0.09	0.05	0.7	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
195-O1	Other -Not Specified	0.03	0.003	0.04	0.06	0.03	0.1	--	0.1	0.02	0.003	0.0003	0.005	0.007	0.003	0.01	--	0.01	0.002	0.05	0.2	0.06	0.07	0.06	0.7	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
196-A1	Agriculture	0.01	0.005	0.07	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0009	0.01	--	0.01	0.0007	0.04	0.2	0.09	0.09	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
196-A2	Agriculture	0.02	0.006	0.08	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0007	0.009	0.009	0.001	0.01	--	0.01	0.001	0.04	0.2	0.1	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
196-G1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.0008	0.04	0.2	0.09	0.09	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
196-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.09	0.008	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0009	0.04	0.2	0.08	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
197-H1	House	0.02	0.007	0.1	0.1	0.01	0.09	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.001	0.05	0.2	0.1	0.1	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
198-G1	Garden	0.03	0.005	0.07	0.08	0.01	0.2	--	0.1	0.008	0.004	0.0006	0.008	0.009	0.001	0.02	--	0.01	0.001	0.06	0.2	0.09	0.08	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
198-H1	House	0.03	0.008	0.1	0.1	0.02	0.2	--	0.2	0.01	0.004	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
199-G1	Garden	0.01	0.006	0.09	0.1	0.004	0.1	--	0.1	0.002	0.001	0.0007	0.01	0.01	0.0004	0.01	--	0.01	0.0002	0.03	0.2	0.1	0.1	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
199-O1	Other -Not Specified	0.01	0.006	0.08	0.1	0.005	0.09	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0005	0.01	--	0.01	0.0004	0.03	0.2	0.1	0.1	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
200-G1	Garden	0.04	0.007	0.1	0.1	0.007	0.2	--	0.1	0.005	0.004	0.0008	0.01	0.01	0.0008	0.03	--	0.01	0.0006	0.06	0.2	0.1	0.1	0.03	0.8	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
200-H1	House	0.03	0.006	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0007	0.01	0.01	0.0007	0.02	--	0.01	0.0004	0.05	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
200-O1	Other -Not Specified	0.04	0.01	0.1	0.1	0.007	0.2	--	0.1	0.004	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0004	0.07	0.2	0.2	0.2	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1

Table 5-27. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Rainbow Trout

		Total HI Across COPCs by Pathway																		Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																				
201G[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
201-O1	Other -Not Specified	0.07	0.006	0.09	0.1	0.04	0.1	--	0.2	0.02	0.008	0.0007	0.01	0.01	0.005	0.01	--	0.02	0.003	0.1	0.2	0.1	0.1	0.07	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.02	0.4	0.1	0.3	0.1
202-H1	House	0.03	0.004	0.06	0.07	0.01	0.06	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.007	--	0.01	0.001	0.05	0.2	0.08	0.08	0.04	0.6	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
202-N1	Animal Activity Area	0.02	0.004	0.06	0.07	0.007	0.06	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0009	0.007	--	0.01	0.0006	0.04	0.2	0.08	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
202-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.07	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.0008	0.009	--	0.01	0.001	0.05	0.2	0.09	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
203-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
203-O1[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
203-O2	Other -Not Specified	0.1	0.004	0.07	0.09	0.07	0.2	--	0.3	0.03	0.02	0.0004	0.008	0.01	0.008	0.02	--	0.04	0.004	0.2	0.2	0.09	0.1	0.1	0.7	0.4	1	0.2	0.03	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
203-O3[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
203-O4[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.03	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
205-O1	Other -Not Specified	0.1	0.005	0.07	0.08	0.04	0.06	--	0.3	0.02	0.01	0.0006	0.008	0.01	0.004	0.007	--	0.04	0.003	0.1	0.2	0.09	0.09	0.06	0.6	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
206-A1	Agriculture	0.03	0.02	0.1	0.1	0.01	0.1	--	0.1	0.01	0.004	0.002	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.3	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
206-G1	Garden	0.02	0.007	0.07	0.08	0.007	0.1	--	0.09	0.006	0.002	0.0008	0.009	0.009	0.0008	0.01	--	0.01	0.0007	0.04	0.2	0.09	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
206-H1	House	0.009	0.005	0.06	0.08	0.003	0.08	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0003	0.009	--	0.008	0.0003	0.03	0.2	0.08	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
206-H2	House	0.03	0.04	0.2	0.1	0.03	0.2	--	0.2	0.03	0.004	0.005	0.02	0.01	0.003	0.02	--	0.02	0.003	0.06	0.3	0.2	0.1	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
206-O1	Other -Not Specified	0.06	0.008	0.1	0.1	0.03	0.2	--	0.3	0.02	0.007	0.0009	0.01	0.01	0.004	0.02	--	0.03	0.002	0.08	0.2	0.1	0.1	0.06	0.7	0.4	1	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
207-O1	Other -Not Specified	0.02	0.003	0.05	0.06	0.01	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.001	0.04	0.2	0.07	0.07	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
208AA	Animal Activity Area	0.04	0.005	0.07	0.07	0.02	0.09	--	0.1	0.01	0.005	0.0005	0.008	0.008	0.002	0.01	--	0.02	0.002	0.06	0.2	0.09	0.08	0.04	0.6	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
208BM	House	0.05	0.007	0.1	0.1	0.01	0.1	--	0.2	0.009	0.006	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001	0.08	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
208G	Garden	0.05	0.008	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.02	0.01	0.001	0.02	--	0.02	0.001	0.07	0.2	0.2	0.1	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
208-H1	House	0.07	0.004	0.07	0.07	0.03	0.2	--	0.2	0.02	0.009	0.0005	0.008	0.009	0.004	0.02	--	0.02	0.002	0.1	0.2	0.09	0.08	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
209A	Agriculture	0.04	0.006	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
209-G1	Garden	0.05	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.003	0.08	0.2	0.09	0.08	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
209-H1	House	0.09	0.005	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.2	0.1	0.1	0.06	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
209-P1	Play Area	0.1	0.005	0.08	0.09	0.04	0.2	--	0.3	0.04	0.01	0.0006	0.01	0.01	0.005	0.02	--	0.03	0.005	0.1	0.2	0.1	0.09	0.07	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
210-H1	House	0.04	0.005	0.06	0.08	0.009	0.09	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001	0.06	0.2	0.08	0.09	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
210-O1	Other -Not Specified	0.04	0.004	0.05	0.07	0.01	0.09	--	0.1	0.01	0.004	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.001	0.06	0.2	0.07	0.07	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
211-A1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001	0.05	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
211-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.004	0.003	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0005	0.05	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
211-G2	Garden	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0006	0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
211-H1	House	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.009	0.002	0.0006	0.009	0.009	0.0009	0.01	--	0.01	0.001	0.04	0.2	0.1	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
211-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.02	0.002	0.05	0.2	0.08	0.08	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
212-H1	House	0.03	0.005	0.08	0.2	0.03	0.08	--	0.2	0.02	0.003	0.0006	0.009	0.02	0.004	0.009	--	0.02	0.003	0.05	0.2	0.1	0.2	0.06	0.6	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
212-H2	House	0.03	0.004	0.06	0.1	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.002	0.007	--	0.01	0.002	0.06	0.2	0.08	0.1	0.04	0.6	0.4	0.8	0.2	0.01	0.09	0.01	0.02	0.01	0.4	0.1	0.3	0.1
213-O1	Other -Not Specified	0.04	0.009	0.1	0.1	0.006	0.2	--	0.1	0.004	0.005	0.001	0.01	0.01	0.0007	0.02	--	0.01	0.0004	0.06	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
213-O2	Other -Not Specified	0.05	0.007	0.1	0.09	0.01	0.2	--	0.2	0.006	0.006	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.07	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
213-O3	Other -Not Specified	0.04	0.007	0.1	0.1	0.008	0.1	--	0.1	0.004	0.004	0.0008	0.01	0.02	0.001	0.01	--	0.02	0.0005	0.06	0.2	0.1	0.1	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
21G	Garden	0.07	0.005	0.07	0.07	0.04	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.009	0.005	0.02	--	0.02	0.003	0.09	0.2	0.09	0.08	0.07	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
226C	House	0.07	0.004	0.05	0.06	0.04	0.08	--	0.3	0.02	0.008	0.0004	0.006	0.007	0.005	0.009	--	0.03	0.002	0.09	0.2	0.07	0.07	0.07	0.6	0.4	1	0.2	0.02	0.09	0.01	0.01	0.02	0.4	0.1	0.3	0.1
230G	Garden	0.02	0.005	0.07	0.07	0.008	0.07	--	0.1	0.004	0.003	0.0006	0.008	0.009	0.001	0.008	--	0.01	0.0005	0.05	0.2	0.09	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
231Lower	Other -Not Specified	0.05	0.005	0.07	0.08	0.01	0.09	--	0.2	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001	0.08	0.2	0.09	0.09	0.04	0.6	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
238G	Garden	0.02	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.008	0.0005	0.009	--	0.01	0.0005	0.04	0.2	0.08	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
238M	Other -Not Specified	0.02	0.005	0.07	0.07	0.003	0.07	--	0.09	0.003	0.002	0.0006	0.008	0.009	0.0004	0.008	--	0.01	0.0004	0.04	0.2	0.09	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
280yard	House	0.05	0.006	0.1	0.09	0.03	0.2	--	0.2	0.02	0.006	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.003	0.08	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
284M	House	0.03	0.005	0.08	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.001	0.05	0.2	0.1	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
285M	Other -Not Specified	0.04	0.005	0.09	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.01	0.009	0.002	0.01	--	0.02	0.001	0.06	0.2	0.1	0.09	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
288G1	Garden	0.03	0.006	0.08	0.08	0.008	0.08	--	0.1	0.006	0.003	0.0007	0.009	0.009	0.0009	0.009	--	0.01	0.0007	0.05	0.2	0.1	0.09	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
288G2	Garden	0.02	0.007	0.08	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0008	0.009	0.01	0.0008	0.009	--	0.01	0.0005	0.04	0.2	0.1	0.09	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
289G3	Garden	0.02	0.005	0.07	0.07	0.007	0.07	--	0.1	0.006	0.003	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0007	0.05	0.2	0.09	0.08	0.03	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
317M	Play Area	0.1	0.006	0.1	0.1	0.04	0.1	--	0.4	0.05	0.02	0.0008	0.01	0.01	0.005	0.01	--	0.04	0.005	0.2	0.2	0.1	0.1	0.07	0.7	0.4	1	0.2	0.03	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
319M[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
320new	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.03	0.01	0.0008	0.01	0.01	0.004	0.01	--	0.03	0.003	0.1	0.2	0.1	0.1	0.07	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
35PA[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.05	0.2	0.1	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
59A	House	0.09	0.004	0.05	0.06	0.04	0.1	--	0.2	0.03	0.01	0.0004	0.006	0.007	0.004	0.01	--	0.02	0.003	0.1	0.2	0.07	0.07	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
62G	Garden	0.04	0.006	0.09	0.1	0.007	0.1	--	0.1	0.006	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.06	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
72M	Agriculture	0.07	0.008	0.09	0.09	0.03	0.1	--	0.2	0.02	0.008	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002	0.09	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
72U	Other -Not Specified	0.05	0.01	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.08	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
94M	Agriculture	0.03	0.006	0.1	0.1	0.008	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.01	0.0009	0.01	--	0.02	0.0007	0.06	0.2	0.1	0.1	0.04	0.6	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
999G1	Garden	0.04	0.008	0.09	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.0009	0.06	0.2	0.1	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
999M1	House	0.03	0.007	0.1	0.1	0.008	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.01	0.0009	0.02	--	0.01	0.0008	0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
999M2	Garden	0.03	0.009	0.1	0.1	0.005	0.1	--	0.1	0.004	0.003	0.001	0.02	0.01	0.0006	0.02	--	0.01	0.0005	0.05	0.2	0.2	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
999M3	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.07	0.2	0.2	0.2	0.05	0.8	0.4	0.9	0.2	0.01	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-28. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
Indoor Air		--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																		
Outdoor Air		--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02	**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exeed benchmark[c] when risk is summed across pathways:**								
Fish (Smallmouth Bass)		0.01	0.5	0.006	0.003	0.03	0.5	0.4	0.7	--	0.004	0.2	0.002	0.001	0.01	0.2	0.2	0.3	--																		
Residential Soil/Dust[a]		**Number of DUs that exceed benchmark[c] for Soil/Dust:**									**Number of DUs that exceed benchmark[c] for Soil/Dust:**																												
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.5	0.1	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
9	Agriculture	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009	0.05	0.5	0.08	0.08	0.05	0.9	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
13	Other -Not Specified	0.05	0.005	0.09	0.09	0.01	0.2	--	0.1	0.008	0.006	0.0006	0.01	0.01	0.001	0.02	--	0.02	0.0009	0.06	0.5	0.09	0.09	0.04	1	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
14	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.008	0.005	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0009	0.06	0.5	0.09	0.09	0.04	0.9	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
15	House	0.04	0.005	0.08	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0006	0.009	0.009	0.001	0.01	--	0.02	0.001	0.05	0.5	0.09	0.08	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
16	Other -Not Specified	0.08	0.005	0.1	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004	0.09	0.5	0.1	0.09	0.06	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
17	Other -Not Specified	0.04	0.007	0.09	0.09	0.02	0.1	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.5	0.1	0.09	0.05	0.9	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
18[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.5	0.1	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
20[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.5	0.1	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
21	House	0.03	0.006	0.08	0.08	0.01	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.009	0.001	0.01	--	0.01	0.0008	0.04	0.5	0.09	0.08	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
22	House	0.07	0.005	0.08	0.08	0.01	0.1	--	0.2	0.01	0.008	0.0005	0.009	0.009	0.002	0.01	--	0.02	0.001	0.08	0.5	0.08	0.08	0.05	0.9	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
25	House	0.03	0.005	0.09	0.09	0.007	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.0009	0.01	--	0.01	0.0005	0.04	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
27	Other -Not Specified	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
28	Garden	0.02	0.006	0.08	0.08	0.004	0.1	--	0.08	0.003	0.002	0.0006	0.01	0.009	0.0005	0.01	--	0.01	0.0003	0.03	0.5	0.09	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
29	Other -Not Specified	0.02	0.005	0.08	0.08	0.007	0.09	--	0.09	0.004	0.003	0.0006	0.009	0.009	0.0008	0.01	--	0.01	0.0004	0.03	0.5	0.08	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
30	Other -Not Specified	0.04	0.007	0.1	0.09	0.007	0.1	--	0.1	0.004	0.005	0.0008	0.01	0.01	0.0008	0.02	--	0.01	0.0005	0.05	0.5	0.1	0.09	0.04	0.9	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
31	Other -Not Specified	0.06	0.006	0.1	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002	0.07	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
33	House	0.05	0.005	0.07	0.07	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.009	0.003	0.02	--	0.02	0.002	0.06	0.5	0.08	0.08	0.06	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
35[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.5	0.1	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
39[b]	Agriculture	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.5	0.1	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
40[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.5	0.1	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
42	House	0.02	0.004	0.05	0.07	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.001	0.03	0.5	0.06	0.07	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
44	Agriculture	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.04	0.5	0.06	0.07	0.05	0.9	0.4	0.8	0.1	0.007	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
46	Other -Not Specified	0.04	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.002	0.05	0.5	0.07	0.07	0.05	0.9	0.4	0.9	0.2	0.008	0.2	0.01	0.009	0.01	0.5	0.2	0.3	0.1
47	Agriculture	0.03	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0005	0.008	0.01	0.003	0.01	--	0.02	0.002	0.04	0.5	0.08	0.09	0.05	0.9	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
49[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.5	0.1	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
55	House	0.02	0.006	0.08	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0007	0.009	0.01	0.0007	0.01	--	0.01	0.0007	0.03	0.5	0.09	0.09	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
56	Other -Not Specified	0.04	0.006	0.1	0.1	0.02	0.1	--	0.2	0.02	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.5	0.1	0.1	0.05	0.9	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
58	Agriculture	0.02	0.006	0.08	0.08	0.009	0.1	--	0.1	0.006	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0007	0.03	0.5	0.09	0.09	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
59	House	0.04	0.003	0.04	0.05	0.03	0.09	--	0.1	0.02	0.005	0.0003	0.005	0.006	0.003	0.01	--	0.02	0.002	0.05	0.5	0.05	0.05	0.06	0.9	0.4	0.9	0.2	0.009	0.2	0.007	0.007	0.02	0.5	0.2	0.3	0.1
60	Garden	0.03	0.005	0.06	0.07	0.008	0.1	--	0.1	0.005	0.003	0.0006	0.007	0.008	0.0009	0.01	--	0.01	0.0006	0.04	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
61	House	0.04	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.005	0.0004	0.006	0.008	0.002	0.01	--	0.02	0.001	0.05	0.5	0.06	0.07	0.05	0.9	0.4	0.9	0.2	0.009	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
62	House	0.04	0.006	0.09	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.05	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
66	Other -Not Specified	0.05	0.005	0.07	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.001	0.06	0.5	0.08	0.08	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
67	Garden	0.05	0.005	0.08	0.08	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002	0.07	0.5	0.08	0.09	0.06	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
70	House	0.06	0.008	0.09	0.09	0.02	0.1	--	0.2	0.02	0.007	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.002	0.07	0.5	0.1	0.09	0.06	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
71	Garden	0.06	0.009	0.1	0.09	0.02	0.1	--	0.1	0.01	0.007	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.5	0.1	0.1	0.05	0.9	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
72	Garden	0.06	0.01	0.1	0.1	0.02	0.1	--	0.2	0.02	0.007	0.001	0.02	0.01	0.003	0.01	--	0.02	0.003	0.07	0.5	0.1	0.1	0.06	0.9	0.4	0.9	0.2	0.01	0.2	0.02	0.01	0.02	0.5	0.2	0.3	0.1
75	House	0.06	0.005	0.08	0.08	0.06	0.2	--	0.2	0.04	0.007	0.0005	0.01	0.01	0.007	0.02	--	0.03	0.004	0.07	0.5	0.09	0.09	0.1	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
82	House	0.03	0.006	0.1	0.1	0.007	0.1	--	0.1	0.005	0.004	0.0007	0.01	0.01	0.0008	0.02	--	0.01	0.0006	0.04	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
85	House	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.004	0.002	0.0006	0.008	0.008	0.0005	0.008	--	0.01	0.0005	0.03	0.5	0.07	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
86	Agriculture	0.03	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001	0.04	0.5	0.1	0.09	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
87	Agriculture	0.02	0.005	0.07	0.07	0.009	0.08	--	0.1	0.008	0.003	0.0005	0.008	0.008	0.001	0.009	--	0.01	0.001	0.03	0.5	0.08	0.08	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
106	House	0.1	0.005	0.06	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0005	0.007	0.009	0.004	0.02	--	0.03	0.002	0.1	0.5	0.07	0.08	0.07	1	0.4	1	0.2	0.02	0.2	0.009	0.01	0.02	0.5	0.2	0.3	0.1
107	Garden	0.07	0.006	0.08	0.09	0.03	0.2	--	0.2	0.01	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.02	0.002	0.08	0.5	0.09	0.1	0.06	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
108	Garden	0.09	0.008	0.07	0.08	0.02	0.1	--	0.2	0.01	0.01	0.0009	0.009	0.01	0.002	0.02	--	0.02	0.002	0.1	0.5	0.08	0.09	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
109[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.5	0.1	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
110	House	0.03	0.004	0.05	0.06	0.008	0.1	--	0.1	0.007	0.004	0.0005	0.006	0.007	0.001	0.01	--	0.01	0.0008	0.04	0.5	0.06	0.06	0.04	0.9	0.4	0.8	0.1	0.008	0.2	0.008	0.008	0.01	0.5	0.2	0.3	0.1
111	Other -Not Specified	0.03	0.004	0.06	0.06	0.008	0.1	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.001	0.01	--	0.01	0.0007	0.04	0.5	0.06	0.06	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.009	0.008	0.01	0.5	0.2	0.3	0.1
112	House	0.1	0.005	0.08	0.07	0.04	0.2	--	0.3	0.04	0.02	0.0006	0.009	0.009	0.005	0.02	--	0.03	0.004	0.2	0.5	0.09	0.08	0.07	1	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
121	House	0.04	0.008	0.2	0.1	0.01	0.2	--	0.2	0.02	0.005	0.001	0.02	0.01	0.001	0.03	--	0.02	0.002	0.05	0.5	0.2	0.1	0.04	1	0.4	0.9	0.2	0.009	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
122	Other -Not Specified	0.06	0.008	0.1	0.1	0.009	0.2	--	0.2	0.007	0.007	0.001	0.02	0.01	0.001	0.02	--	0.02	0.0008	0.07	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.01	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
123	House	0.06	0.005	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.0006	0.01	0.009	0.004	0.02	--	0.03	0.003	0.07	0.5	0.09	0.08	0.07	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
135	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.001	0.04	0.5	0.07	0.07	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.009	0.01	0.5	0.2	0.3	0.1
146	House	0.04	0.005	0.08	0.09	0.006	0.1	--	0.1	0.008	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.02	0.0009	0.05	0.5	0.09	0.09	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
147	Garden	0.02	0.005	0.06	0.07	0.005	0.09	--	0.09	0.004	0.003	0.0006	0.007	0.008	0.0005	0.01	--	0.01	0.0004	0.04	0.5	0.07	0.07	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
151[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.5	0.1	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
152	Other -Not Specified	0.04	0.007	0.1	0.09	0.01	0.1	--	0.2	0.02	0.005	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002	0.05	0.5	0.1	0.1	0.05	0.9	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
154	House	0.02	0.003	0.04	0.05	0.005	0.06	--	0.06	0.005	0.002	0.0004	0.005	0.006	0.0006	0.007	--	0.007	0.0006	0.03	0.5	0.05	0.06	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.007	0.008	0.01	0.5	0.2	0.3	0.1
160	House	0.05	0.006	0.08	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.009	0.001	0.02	--	0.02	0.001	0.06	0.5	0.09	0.08	0.04	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
163	House	0.06	0.005	0.07	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001	0.07	0.5	0.08	0.08	0.04	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1

Table 5-28. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																						
164	Agriculture	0.05	0.006	0.09	0.09	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.06	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
167	Agriculture	0.03	0.004	0.06	0.06	0.005	0.08	--	0.1	0.006	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0007		0.04	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
168	House	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003		0.08	0.5	0.1	0.09	0.06	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
169	Other -Not Specified	0.06	0.006	0.08	0.08	0.03	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.009	0.004	0.02	--	0.02	0.002		0.07	0.5	0.09	0.08	0.07	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
170[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001		0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
175	Other -Not Specified	0.05	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001		0.06	0.5	0.07	0.07	0.04	0.9	0.4	0.9	0.1	0.01	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
177	Agriculture	0.07	0.004	0.05	0.06	0.01	0.1	--	0.2	0.01	0.008	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002		0.08	0.5	0.06	0.07	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
185	House	0.07	0.007	0.1	0.1	0.02	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002		0.08	0.5	0.1	0.1	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
186	House	0.05	0.005	0.08	0.07	0.02	0.09	--	0.2	0.02	0.006	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.002		0.06	0.5	0.08	0.07	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.009	0.01	0.5	0.2	0.3	0.1
189	House	0.07	0.007	0.09	0.09	0.01	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.08	0.5	0.1	0.1	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
192	House	0.05	0.009	0.1	0.1	0.02	0.1	--	0.2	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002		0.06	0.5	0.1	0.1	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
193	House	0.05	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.005	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.001		0.06	0.5	0.07	0.08	0.06	0.9	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
194[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.03	0.5	0.1	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
196[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.03	0.5	0.1	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
201	House	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009		0.05	0.5	0.08	0.08	0.05	0.9	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
203[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.03	0.5	0.1	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
206	House	0.04	0.005	0.08	0.07	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.001		0.05	0.5	0.08	0.07	0.05	0.9	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
208	Other -Not Specified	0.05	0.006	0.1	0.09	0.04	0.1	--	0.2	0.01	0.006	0.0007	0.01	0.01	0.005	0.02	--	0.02	0.002		0.06	0.5	0.1	0.1	0.08	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
213	Other -Not Specified	0.09	0.005	0.07	0.07	0.04	0.1	--	0.2	0.03	0.01	0.0006	0.008	0.009	0.004	0.02	--	0.03	0.003		0.1	0.5	0.08	0.08	0.07	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
216	House	0.07	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	0.0004	0.008	0.009	0.004	0.02	--	0.02	0.002		0.08	0.5	0.07	0.08	0.06	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
218[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.03	0.5	0.1	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
229	Play Area	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.003	0.002	0.0005	0.008	0.008	0.0005	0.008	--	0.01	0.0003		0.03	0.5	0.07	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.009	0.01	0.5	0.2	0.3	0.1
231	House	0.06	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.001		0.07	0.5	0.07	0.08	0.05	0.9	0.4	0.9	0.1	0.01	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
246	Play Area	0.01	0.005	0.06	0.06	0.004	0.06	--	0.07	0.003	0.002	0.0005	0.007	0.007	0.0004	0.006	--	0.008	0.0004		0.02	0.5	0.06	0.06	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.008	0.01	0.5	0.2	0.3	0.1
249	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.09	--	0.1	0.006	0.004	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.0007		0.04	0.5	0.06	0.06	0.04	0.9	0.4	0.8	0.1	0.008	0.2	0.009	0.008	0.01	0.5	0.2	0.3	0.1
250	House	0.05	0.004	0.06	0.06	0.01	0.1	--	0.1	0.008	0.005	0.0004	0.007	0.007	0.002	0.01	--	0.01	0.0009		0.06	0.5	0.06	0.06	0.05	0.9	0.4	0.9	0.1	0.009	0.2	0.009	0.008	0.01	0.5	0.2	0.3	0.1
253	House	0.03	0.004	0.06	0.07	0.008	0.07	--	0.1	0.009	0.003	0.0005	0.007	0.008	0.001	0.008	--	0.01	0.001		0.04	0.5	0.07	0.07	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
280	Other -Not Specified	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.003		0.08	0.5	0.1	0.09	0.06	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
287	Agriculture	0.03	0.004	0.08	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0005	0.009	0.009	0.003	0.02	--	0.02	0.002		0.04	0.5	0.09	0.08	0.06	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
288	House	0.02	0.005	0.07	0.07	0.006	0.07	--	0.09	0.006	0.002	0.0006	0.008	0.008	0.0007	0.008	--	0.01	0.0007		0.03	0.5	0.07	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.009	0.01	0.5	0.2	0.3	0.1
291	Agriculture	0.02	0.004	0.05	0.06	0.007	0.06	--	0.1	0.006	0.002	0.0005	0.006	0.007	0.0009	0.007	--	0.01	0.0007		0.03	0.5	0.06	0.06	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.008	0.01	0.5	0.2	0.3	0.1
306	Other -Not Specified	0.03	0.004	0.06	0.06	0.007	0.07	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.0009	0.008	--	0.01	0.0007		0.04	0.5	0.07	0.07	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.01	0.009	0.01	0.5	0.2	0.3	0.1
315	House	0.02	0.007	0.08	0.08	0.004	0.09	--	0.1	0.003	0.003	0.0008	0.01	0.01	0.0005	0.01	--	0.01	0.0003		0.04	0.5	0.09	0.09	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
316	Other -Not Specified	0.03	0.006	0.09	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.002	0.02	--	0.01	0.001		0.04	0.5	0.09	0.08	0.05	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
317	House	0.08	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.009	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.002		0.09	0.5	0.1	0.1	0.05	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
318	Other -Not Specified	0.1	0.006	0.1	0.09	0.03	0.1	--	0.3	0.04	0.01	0.0007	0.01	0.01	0.004	0.01	--	0.03	0.005		0.1	0.5	0.1	0.1	0.06	0.9	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
319	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.05	0.01	0.0008	0.01	0.01	0.005	0.02	--	0.04	0.006		0.1	0.5	0.1	0.1	0.07	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
325	Garden	0.03	0.005	0.07	0.07	0.005	0.08	--	0.09	0.003	0.003	0.0006	0.008	0.008	0.0006	0.01	--	0.01	0.0004		0.04	0.5	0.08	0.07	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
326	Other -Not Specified	0.02	0.005	0.06	0.07	0.006	0.06	--	0.1	0.005	0.002	0.0005	0.007	0.008	0.0007	0.007	--	0.01	0.0006		0.03	0.5	0.07	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
327	Other -Not Specified	0.02	0.004	0.05	0.06	0.005	0.05	--	0.09	0.004	0.002	0.0005	0.006	0.008	0.0005	0.006	--	0.01	0.0004		0.03	0.5	0.06	0.07	0.04	0.8	0.4	0.8	0.1	0.006	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
345	Play Area	0.03	0.006	0.1	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001		0.04	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
346	Garden	0.05	0.007	0.1	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002		0.06	0.5	0.1	0.09	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
347	Other -Not Specified	0.05	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.006	0.0005	0.009	0.008	0.003	0.01	--	0.02	0.003		0.06	0.5	0.08	0.07	0.06	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.009	0.02	0.5	0.2	0.3	0.1
801	Other -Not Specified	0.06	0.003	0.05	0.09	0.03	0.05	--	0.2	0.02	0.007	0.0004	0.005	0.01	0.003	0.006	--	0.02	0.002		0.07	0.5	0.05	0.09	0.06	0.8	0.4	0.9	0.2	0.01	0.2	0.008	0.01	0.02	0.5	0.2	0.3	0.1
1001	Other -Not Specified	0.08	0.004	0.05	0.1	0.04	0.05	--	0.2	0.03	0.009	0.0004	0.006	0.01	0.004	0.006	--	0.03	0.003		0.09	0.5	0.06	0.1	0.07	0.9	0.4	1	0.2	0.01	0.2	0.008	0.01	0.02	0.5	0.2	0.3	0.1
1005	Garden	0.04	0.006	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0008	0.009	0.01	0.002	0.01	--	0.02	0.001		0.05	0.5	0.09	0.09	0.05	0.9	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
1006	House	0.03	0.008	0.08	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.0009		0.04	0.5	0.09	0.09	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
1007	Garden	0.02	0.009	0.08	0.08	0.007	0.1	--	0.1	0.005	0.003	0.001	0.009	0.01	0.0008	0.01	--	0.01	0.0006		0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
1008	Agriculture	0.02	0.009	0.06	0.07	0.01	0.08	--	0.1	0.01	0.003	0.001	0.007	0.008	0.001	0.01	--	0.01	0.001		0.04	0.5	0.07	0.07	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.01	0.009	0.01	0.5	0.2	0.3	0.1
1010	Agriculture	0.03	0.008	0.06	0.07	0.02	0.09	--	0.1	0.01	0.004	0.0009	0.007	0.008	0.002	0.01	--	0.01	0.001		0.04	0.5	0.07	0.07	0.05	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.009	0.01	0.5	0.2	0.3	0.1
1011	Agriculture	0.04	0.005	0.04	0.05	0.02	0.06	--	0.1	0.01	0.005	0.0005	0.005	0.005	0.002	0.007	--	0.01	0.002		0.05	0.5	0.05	0.05	0.05	0.9	0.4	0.9	0.2	0.009	0.2	0.007	0.007	0.01	0.5	0.2	0.3	0.1
1015	Garden	0.02	0.005	0.08	0.09	0.006	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0005		0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
1017	Garden	0.03	0.003	0.05	0.07	0.01	0.09	--	0.1	0.008	0.003	0.0004	0.006	0.008	0.001	0.01	--	0.01	0.001		0.04	0.5	0.06	0.07	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
1018	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.08	0.004	0.002	0.0004	0.007	0.009	0.0008	0.01	--	0.01	0.0005		0.03	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
1020	Garden	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.001		0.05	0.5	0.07	0.09	0.05	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
1021[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.03	0.5	0.1	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
1030[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001		0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
1035	Garden	0.05	0.009	0.1	0.09	0.01	0.2	--	0.2	0.01	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001		0.06	0.5	0.1	0.1	0.05	0.9	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
1036	Play Area	0.03	0.006	0.09	0.09	0.009	0.1	--	0.1	0.007	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.0008		0.04	0.5	0.09	0.09	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
1037	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.05	0.5	0.09	0.09	0.05	0.9	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
1060	House	0.03	0.005	0.07	0.07	0.01	0.09	--	0.1	0.01	0.003	0.0005	0.008	0.008	0.001	0.01	--	0.01	0.001		0.04	0.5	0.07	0.07	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.009	0.01	0.5	0.2	0.3	0.1
3000	House	0.01	0.005	0.06	0.07	0.003	0.06	--	0.08	0.002	0.002	0.0005	0.007	0.009	0.0004	0.007	--	0.009	0.0003		0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
3001	Garden	0.08	0.01	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.001	0.02	0.02	0.004	0.02	--	0.03	0.002		0.09	0.5	0.1	0.1	0.06	0.9	0.4	1	0.2	0.01	0.2	0.02	0.02	0.02	0.5	0.2	0.3	0.1
3003	Other -Not Specified	0.1	0.007	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.0009	0.01	0.01	0.003	0.01	--	0.03	0.003		0.1	0.5	0.1	0.1	0.06	0.9	0.4	1	0.2	0.02	0.2	0.01	0.02	0.02	0.5	0.2	0.3	0.1
3004	House	0.03	0.005	0.07	0.07	0.01	0.1	--	0.1	0.006	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0007		0.04	0.5	0.07	0.08	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
075-A1	Agriculture	0.02	0.006	0.08	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0007	0.009	0.01	0.001	0.01	--	0.01	0.001		0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1

Table 5-28. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																					
075-H1	House	0.03	0.005	0.07	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.002	0.02	--	0.02	0.002		0.04	0.5	0.08	0.08	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
075-O1	Other -Not Specified	0.03	0.005	0.06	0.2	0.02	0.08	--	0.2	0.02	0.004	0.0006	0.008	0.02	0.003	0.01	--	0.02	0.003		0.04	0.5	0.07	0.2	0.05	0.9	0.4	0.9	0.2	0.008	0.2	0.01	0.02	0.01	0.5	0.2	0.3	0.1
076-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.04	0.5	0.1	0.1	0.05	1	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
076-G2	Garden	0.05	0.007	0.09	0.1	0.02	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.06	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
076-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.001	0.03	--	0.02	0.002		0.04	0.5	0.1	0.1	0.04	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
076-H2	House	0.04	0.006	0.09	0.09	0.01	0.2	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.05	0.5	0.1	0.09	0.04	1	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
076-N1	Animal Activity Area	0.04	0.007	0.1	0.1	0.03	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.001		0.05	0.5	0.1	0.1	0.06	1	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
077-A1	Agriculture	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.006	0.008	0.0004	0.009	--	0.008	0.0003		0.02	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
077-A2	Agriculture	0.009	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.009	--	0.008	0.0004		0.02	0.5	0.05	0.07	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
077-G1	Garden	0.01	0.004	0.06	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003		0.02	0.5	0.06	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
077-H1	House	0.01	0.004	0.05	0.06	0.004	0.07	--	0.07	0.003	0.001	0.0004	0.006	0.007	0.0004	0.008	--	0.008	0.0004		0.02	0.5	0.05	0.06	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.008	0.008	0.01	0.5	0.2	0.3	0.1
077-H2	House	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0005	0.009	--	0.008	0.0004		0.02	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
077-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.008	0.0005	0.009	--	0.009	0.0004		0.02	0.5	0.06	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
078-G1	Garden	0.01	0.004	0.05	0.07	0.003	0.09	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0004	0.01	--	0.008	0.0005		0.02	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
078-H1	House	0.007	0.003	0.04	0.06	0.002	0.06	--	0.06	0.003	0.0009	0.0004	0.005	0.007	0.0002	0.007	--	0.006	0.0003		0.02	0.5	0.05	0.06	0.03	0.9	0.4	0.8	0.1	0.005	0.2	0.007	0.008	0.01	0.5	0.2	0.3	0.1
078-N1	Animal Activity Area	0.01	0.004	0.05	0.06	0.003	0.07	--	0.06	0.003	0.001	0.0005	0.006	0.007	0.0003	0.008	--	0.007	0.0003		0.02	0.5	0.05	0.06	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.008	0.008	0.01	0.5	0.2	0.3	0.1
078-O1	Other -Not Specified	0.009	0.004	0.06	0.07	0.002	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0003	0.01	--	0.008	0.0004		0.02	0.5	0.06	0.08	0.03	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
079-H1	House	0.03	0.005	0.06	0.09	0.009	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.001		0.04	0.5	0.07	0.09	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
079-H2	House	0.04	0.007	0.07	0.08	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.008	0.009	0.002	0.02	--	0.02	0.001		0.05	0.5	0.08	0.08	0.05	1	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
080-H1	House	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.004	0.004	0.001	0.02	0.01	0.0005	0.02	--	0.02	0.0004		0.04	0.5	0.2	0.1	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
081-A1	Agriculture	0.02	0.005	0.08	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0006		0.03	0.5	0.09	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
081-H1	House	0.02	0.007	0.1	0.1	0.006	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.0007	0.01	--	0.01	0.001		0.03	0.5	0.1	0.1	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
081-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.02	0.003	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002		0.04	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
082-G1	Garden	0.01	0.004	0.06	0.07	0.003	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.008	0.0004	0.01	--	0.009	0.0003		0.02	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
082-G2	Garden	0.02	0.004	0.06	0.07	0.005	0.1	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006		0.03	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
082-H1	House	0.01	0.004	0.05	0.07	0.004	0.09	--	0.08	0.004	0.001	0.0004	0.006	0.008	0.0004	0.01	--	0.009	0.0005		0.02	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
082-N1	Animal Activity Area	0.01	0.004	0.05	0.07	0.004	0.1	--	0.08	0.004	0.002	0.0005	0.006	0.008	0.0005	0.01	--	0.009	0.0005		0.03	0.5	0.06	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
082-N2	Animal Activity Area	0.02	0.004	0.06	0.07	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006		0.03	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
083-G1	Garden	0.02	0.005	0.08	0.09	0.005	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0006		0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
083-G2	Garden	0.02	0.005	0.07	0.08	0.005	0.1	--	0.09	0.004	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0005		0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
083-H1	House	0.02	0.005	0.07	0.08	0.006	0.09	--	0.09	0.007	0.002	0.0006	0.009	0.009	0.0007	0.01	--	0.01	0.0008		0.03	0.5	0.08	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
084-H1	House	0.01	0.005	0.07	0.09	0.005	0.1	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0004		0.02	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
085-H1	House	0.02	0.004	0.06	0.07	0.008	0.1	--	0.09	0.007	0.002	0.0005	0.007	0.008	0.0009	0.01	--	0.01	0.0008		0.03	0.5	0.07	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.009	0.01	0.5	0.2	0.3	0.1
085-O1	Other -Not Specified	0.03	0.006	0.1	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.009	0.002	0.02	--	0.01	0.001		0.04	0.5	0.1	0.08	0.05	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
085-P1	Play Area	0.05	0.008	0.09	0.09	0.02	0.2	--	0.2	0.02	0.006	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002		0.07	0.5	0.09	0.09	0.05	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
086-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.009	0.001	0.02	--	0.01	0.0009		0.03	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
086-H1	House	0.02	0.003	0.06	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.01	0.001	0.02	--	0.01	0.0008		0.03	0.5	0.06	0.09	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
086-H2	House	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001		0.04	0.5	0.08	0.09	0.05	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
087-H1	House	0.02	0.003	0.06	0.07	0.008	0.1	--	0.09	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007		0.03	0.5	0.06	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
087-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001		0.04	0.5	0.08	0.09	0.05	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
088-H1	House	0.06	0.005	0.08	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.003		0.07	0.5	0.08	0.1	0.06	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
088-H2	House	0.04	0.004	0.06	0.07	0.01	0.1	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.002	0.01	--	0.02	0.002		0.05	0.5	0.06	0.08	0.05	0.9	0.4	0.9	0.2	0.008	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
088-O1	Other -Not Specified	0.05	0.004	0.07	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002		0.06	0.5	0.08	0.1	0.05	1	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
089-A1	Agriculture	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.008	0.004	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.0009		0.04	0.5	0.08	0.1	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
089-H1	House	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.001		0.04	0.5	0.09	0.1	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
089-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0008		0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
090-H1	House	0.01	0.005	0.06	0.08	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.007	0.009	0.001	0.01	--	0.01	0.0009		0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
090-O2	Other -Not Specified	0.01	0.007	0.09	0.1	0.01	0.2	--	0.1	0.007	0.002	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0008		0.02	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
091-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.1	--	0.1	0.009	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.001		0.04	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
091-H1	House	0.03	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0008		0.04	0.5	0.08	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
092-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.07	--	0.1	0.02	0.002	0.0005	0.006	0.007	0.002	0.009	--	0.02	0.002		0.03	0.5	0.06	0.07	0.05	0.9	0.4	0.9	0.2	0.006	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
092-O2	Other -Not Specified	0.02	0.004	0.05	0.06	0.01	0.08	--	0.1	0.01	0.003	0.0005	0.006	0.007	0.002	0.009	--	0.01	0.001		0.03	0.5	0.05	0.06	0.05	0.9	0.4	0.8	0.1	0.007	0.2	0.008	0.008	0.01	0.5	0.2	0.3	0.1
093-H1	House	0.03	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.003	0.0004	0.007	0.009	0.001	0.01	--	0.01	0.0007		0.04	0.5	0.06	0.08	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
094-H1	House	0.03	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.02	--	0.01	0.0009		0.04	0.5	0.07	0.08	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
094-P1	Play Area	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001		0.04	0.5	0.08	0.1	0.05	1	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
095-A1	Agriculture	0.04	0.004	0.06	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0004	0.007	0.01	0.003	0.02	--	0.02	0.002		0.05	0.5	0.07	0.1	0.06	1	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
095-H1	House	0.04	0.005	0.07	0.1	0.02	0.2	--	0.2	0.01	0.005	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002		0.05	0.5	0.08	0.1	0.05	1	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
095-O1	Other -Not Specified	0.04	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002		0.05	0.5	0.07	0.09	0.05	1	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
095-O2	Other -Not Specified	0.05	0.005	0.07	0.1	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.002		0.06	0.5	0.07	0.1	0.06	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
096-H1	House	0.04	0.006	0.08	0.09	0.02	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002		0.05	0.5	0.09	0.1	0.05	1	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
096-O1	Other -Not Specified	0.07	0.006	0.08	0.1	0.02	0.2	--	0.2	0.03	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003		0.08	0.5	0.09	0.1	0.06	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
097-H1	House	0.02	0.005	0.07	0.09	0.01	0.09	--	0.2	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001		0.03	0.5	0.07	0.1	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
097-H2	House	0.02	0.005	0.06	0.08	0.008	0.07	--	0.2	0.01	0.002	0.0006	0.008	0.01	0.0009	0.009	--	0.02	0.001		0.03	0.5	0.07	0.09	0.04	0.9	0.4	0.9	0.2	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
098-G1	Garden	0.01	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.01	--	0.009	0.0003		0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
098-H1	House	0.008	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.009	--	0.009	0.0004		0.02	0.5	0.06	0.09	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
098-O1	Other -Not Specified	0.008	0.004	0.06	0.09	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.007	0.01	0.0004	0.009	--	0.009	0.0003		0.02	0.5	0.07	0.09	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
099-A1	Agriculture	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009		0.03	0.5	0.08	0.08	0.04	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1

Table 5-28. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																					
099-G2	Garden	0.02	0.004	0.05	0.07	0.009	0.1	--	0.09	0.007	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.0008	0.03	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
099-H1	House	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.007	0.002	0.01	--	0.01	0.002	0.03	0.5	0.05	0.06	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.008	0.008	0.01	0.5	0.2	0.3	0.1
099-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002	0.03	0.5	0.06	0.06	0.05	0.9	0.4	0.9	0.2	0.006	0.2	0.008	0.008	0.01	0.5	0.2	0.3	0.1
100-G1	Garden	0.02	0.005	0.08	0.1	0.006	0.1	--	0.1	0.006	0.002	0.0006	0.01	0.01	0.0007	0.01	--	0.02	0.0007	0.03	0.5	0.09	0.1	0.04	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
100-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.02	0.003	0.0006	0.009	0.009	0.002	0.01	--	0.02	0.002	0.04	0.5	0.08	0.08	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
100-N1	Animal Activity Area	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.009	0.01	0.001	0.02	--	0.01	0.001	0.04	0.5	0.09	0.09	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
100-N2	Animal Activity Area	0.03	0.005	0.09	0.1	0.009	0.1	--	0.1	0.007	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0008	0.04	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
100-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.01	0.001	0.04	0.5	0.07	0.07	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
101-G1	Garden	0.02	0.007	0.1	0.09	0.008	0.1	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.0009	0.02	--	0.01	0.0006	0.03	0.5	0.1	0.1	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
101-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.002	0.03	0.5	0.08	0.08	0.05	0.9	0.4	0.9	0.2	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
101-O1	Other -Not Specified	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.5	0.09	0.09	0.05	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
102-G1	Garden	0.02	0.007	0.1	0.1	0.008	0.2	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0006	0.03	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
102-H1	House	0.02	0.008	0.09	0.09	0.004	0.1	--	0.08	0.003	0.002	0.0009	0.01	0.01	0.0004	0.01	--	0.01	0.0003	0.03	0.5	0.09	0.1	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
103-H1	House	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001	0.04	0.5	0.07	0.08	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
103-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.001	0.04	0.5	0.06	0.07	0.04	0.9	0.4	0.9	0.2	0.007	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
104-H1	House	0.07	0.005	0.07	0.09	0.01	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002	0.08	0.5	0.07	0.09	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
104-H2	House	0.06	0.004	0.06	0.08	0.01	0.1	--	0.2	0.01	0.007	0.0005	0.007	0.01	0.001	0.02	--	0.02	0.002	0.07	0.5	0.07	0.09	0.04	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
104-N1	Animal Activity Area	0.06	0.004	0.05	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.006	0.008	0.001	0.02	--	0.02	0.001	0.07	0.5	0.06	0.08	0.04	0.9	0.4	0.9	0.2	0.01	0.2	0.008	0.01	0.01	0.5	0.2	0.3	0.1
105-H1	House	0.03	0.003	0.04	0.05	0.01	0.08	--	0.1	0.008	0.004	0.0003	0.005	0.006	0.001	0.009	--	0.01	0.001	0.04	0.5	0.05	0.06	0.04	0.9	0.4	0.8	0.1	0.008	0.2	0.007	0.008	0.01	0.5	0.2	0.3	0.1
105-P1	Play Area	0.03	0.002	0.03	0.04	0.03	0.08	--	0.1	0.01	0.004	0.0002	0.003	0.005	0.003	0.009	--	0.01	0.001	0.04	0.5	0.04	0.05	0.06	0.9	0.4	0.9	0.1	0.008	0.2	0.006	0.006	0.02	0.5	0.2	0.3	0.1
106-G1	Garden	0.01	0.006	0.07	0.06	0.005	0.08	--	0.08	0.003	0.001	0.0007	0.009	0.008	0.0006	0.009	--	0.009	0.0004	0.02	0.5	0.08	0.07	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.009	0.01	0.5	0.2	0.3	0.1
106-G2	Garden	0.01	0.005	0.07	0.08	0.006	0.1	--	0.08	0.003	0.002	0.0005	0.008	0.009	0.0007	0.01	--	0.009	0.0004	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
106-H1	House	0.01	0.005	0.06	0.08	0.003	0.08	--	0.07	0.003	0.001	0.0006	0.008	0.009	0.0004	0.01	--	0.008	0.0003	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
106-O1	Other -Not Specified	0.01	0.006	0.07	0.08	0.004	0.08	--	0.07	0.002	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.008	0.0003	0.02	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
107-H1	House	0.02	0.004	0.05	0.07	0.03	0.1	--	0.1	0.01	0.002	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.001	0.03	0.5	0.06	0.08	0.06	0.9	0.4	0.9	0.2	0.006	0.2	0.009	0.01	0.02	0.5	0.2	0.3	0.1
108-H1	House	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0009	0.03	0.5	0.07	0.1	0.04	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
108-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.002	0.04	0.5	0.07	0.1	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
108-O2	Other -Not Specified	0.02	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
109-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
110-A1	Agriculture	0.03	0.004	0.08	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.002	0.02	--	0.02	0.001	0.04	0.5	0.08	0.1	0.05	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
110G	Garden	0.03	0.004	0.06	0.06	0.005	0.1	--	0.1	0.004	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0004	0.04	0.5	0.07	0.07	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
110-G1	Garden	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0004	0.008	0.01	0.001	0.02	--	0.01	0.0009	0.03	0.5	0.07	0.1	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
110-G2	Garden	0.01	0.004	0.07	0.1	0.005	0.1	--	0.09	0.004	0.002	0.0004	0.008	0.01	0.0006	0.02	--	0.01	0.0005	0.03	0.5	0.07	0.1	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
110-H1	House	0.02	0.004	0.06	0.09	0.009	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.01	0.001	0.01	--	0.01	0.0008	0.03	0.5	0.07	0.09	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
110-O1	Other -Not Specified	0.01	0.003	0.05	0.07	0.007	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.0008	0.01	--	0.01	0.0006	0.03	0.5	0.05	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.008	0.01	0.01	0.5	0.2	0.3	0.1
110-O2	Other -Not Specified	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.04	0.5	0.08	0.1	0.05	1	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
111-H1	House	0.02	0.004	0.06	0.07	0.004	0.08	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0005	0.01	--	0.01	0.0004	0.03	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
112G	Garden	0.09	0.008	0.08	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0009	0.009	0.009	0.005	0.02	--	0.02	0.002	0.1	0.5	0.09	0.08	0.07	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
112-G1	Garden	0.05	0.01	0.09	0.09	0.02	0.1	--	0.1	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002	0.06	0.5	0.1	0.09	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
112-H1	House	0.04	0.01	0.08	0.08	0.02	0.09	--	0.1	0.02	0.005	0.001	0.009	0.01	0.002	0.01	--	0.01	0.002	0.05	0.5	0.09	0.08	0.05	0.9	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
112-O1	Other -Not Specified	0.07	0.009	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.001	0.009	0.01	0.004	0.01	--	0.02	0.004	0.08	0.5	0.09	0.09	0.07	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
113-G1	Garden	0.04	0.006	0.09	0.1	0.03	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.05	0.5	0.1	0.1	0.06	1	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
113-G2	Garden	0.05	0.007	0.1	0.1	0.03	0.2	--	0.2	0.02	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.06	0.5	0.1	0.1	0.06	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
113-G3	Garden	0.03	0.005	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.007	0.008	0.002	0.01	--	0.01	0.001	0.04	0.5	0.07	0.07	0.05	0.9	0.4	0.8	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
113low	Other -Not Specified	0.08	0.006	0.08	0.1	0.02	0.2	--	0.2	0.02	0.009	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003	0.09	0.5	0.09	0.1	0.06	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
113-O1	Other -Not Specified	0.03	0.005	0.08	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.01	0.002	0.04	0.5	0.08	0.09	0.05	0.9	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
113up	Other -Not Specified	0.1	0.005	0.08	0.08	0.03	0.2	--	0.3	0.03	0.01	0.0005	0.009	0.009	0.004	0.02	--	0.03	0.004	0.1	0.5	0.08	0.08	0.07	1	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
114-G1	Garden	0.03	0.005	0.05	0.1	0.02	0.07	--	0.1	0.03	0.004	0.0005	0.006	0.01	0.002	0.009	--	0.02	0.003	0.04	0.5	0.06	0.1	0.05	0.9	0.4	0.9	0.2	0.008	0.2	0.008	0.02	0.01	0.5	0.2	0.3	0.1
114-H1	House	0.04	0.005	0.06	0.2	0.02	0.08	--	0.2	0.03	0.004	0.0006	0.007	0.02	0.003	0.01	--	0.02	0.004	0.05	0.5	0.07	0.2	0.06	0.9	0.4	0.9	0.2	0.008	0.2	0.01	0.02	0.02	0.5	0.2	0.3	0.1
114-O1	Other -Not Specified	0.03	0.006	0.06	0.2	0.02	0.08	--	0.2	0.03	0.003	0.0006	0.008	0.02	0.002	0.009	--	0.02	0.003	0.04	0.5	0.07	0.2	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.01	0.02	0.01	0.5	0.2	0.3	0.1
115-O1	Other -Not Specified	0.1	0.008	0.1	0.1	0.03	0.1	--	0.3	0.02	0.02	0.0009	0.01	0.01	0.004	0.01	--	0.04	0.002	0.1	0.5	0.1	0.1	0.07	0.9	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
115SP	Other -Not Specified	0.09	0.005	0.08	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0006	0.009	0.01	0.007	0.02	--	0.04	0.003	0.1	0.5	0.08	0.09	0.09	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
116M	House	0.06	0.004	0.07	0.1	0.05	0.07	--	0.2	0.02	0.007	0.0005	0.008	0.01	0.006	0.008	--	0.02	0.002	0.07	0.5	0.08	0.1	0.08	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
116-O1	Other -Not Specified	0.02	0.006	0.07	0.08	0.01	0.2	--	0.1	0.01	0.002	0.0007	0.009	0.01	0.002	0.02	--	0.01	0.001	0.03	0.5	0.08	0.09	0.05	1	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
117-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.002	0.004	0.001	0.02	0.02	0.0005	0.02	--	0.01	0.0002	0.04	0.5	0.1	0.1	0.04	0.9	0.4	0.8	0.1	0.008	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
118-G1	Garden	0.01	0.005	0.08	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.02	--	0.01	0.0004	0.02	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
118-G2	Garden	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
118-H1	House	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.01	0.0005	0.01	--	0.009	0.0004	0.02	0.5	0.07	0.09	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
118-N1	Animal Activity Area	0.02	0.004	0.05	0.07	0.007	0.1	--	0.08	0.007	0.002	0.0004	0.006	0.008	0.0009	0.02	--	0.009	0.0008	0.03	0.5	0.05	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
118-N2	Animal Activity Area	0.02	0.003	0.05	0.07	0.01	0.2	--	0.09	0.01	0.003	0.0004	0.006	0.008	0.001	0.02	--	0.01	0.001	0.03	0.5	0.05	0.07	0.04	1	0.4	0.8	0.1	0.007	0.2	0.008	0.01	0.01	0.5	0.2	0.3	0.1
119-P1	Play Area	0.09	0.004	0.08	0.08	0.04	0.2	--	0.2	0.03	0.01	0.0005	0.009	0.01	0.004	0.02	--	0.03	0.003	0.1	0.5	0.08	0.09	0.07	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
120-A1	Agriculture	0.02	0.01	0.07	0.06	0.008	0.07	--	0.07	0.007	0.003	0.001	0.008	0.007	0.0009	0.009	--	0.009	0.0009	0.03	0.5	0.08	0.06	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.01	0.008	0.01	0.5	0.2	0.3	0.1
120-G1	Garden	0.02	0.008	0.03	0.04	0.01	0.07	--	0.07	0.01	0.002	0.0009	0.004	0.005	0.001	0.008	--	0.008	0.001	0.03	0.5	0.04	0.04	0.04	0.9	0.4	0.8	0.2	0.006	0.2	0.006	0.006	0.01	0.5	0.2	0.3	0.1
120-H1	House	0.02	0.007	0.05	0.05	0.01	0.07	--	0.07	0.008	0.003	0.0008	0.005	0.006	0.001	0.008	--	0.009	0.0009	0.03	0.5	0.05	0.05	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.008	0.007	0.01	0.5	0.2	0.3	0.1
120-O1	Other -Not Specified	0.03	0.01	0.05	0.06	0.01	0.09	--	0.09	0.01	0.004	0.001	0.006	0.006	0.002	0.01	--	0.01	0.001	0.04	0.5	0.06	0.06	0.05	0.9	0.4	0.8	0.1	0.008	0.2	0.008	0.008	0.01	0.5	0.2	0.3	0.1
121-G1	Garden	0.02	0.006	0.07	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.008	0.01	0.0008	0.01	--	0.01	0.0004	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1

Table 5-28. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																					
121-H1	House	0.02	0.005	0.07	0.08	0.009	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0007	0.03	0.5	0.08	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
121-N1	Animal Activity Area	0.02	0.005	0.07	0.09	0.006	0.1	--	0.09	0.003	0.002	0.0006	0.008	0.01	0.0007	0.01	--	0.01	0.0004	0.03	0.5	0.07	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
121-N2	Animal Activity Area	0.02	0.005	0.07	0.09	0.009	0.1	--	0.1	0.005	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0006	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
122-G1	Garden	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.03	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
122-G2	Garden	0.02	0.004	0.06	0.07	0.008	0.09	--	0.09	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.03	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
122-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.002	0.0005	0.009	0.01	0.001	0.02	--	0.01	0.002	0.03	0.5	0.08	0.1	0.04	0.9	0.4	0.9	0.2	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
122-H2	House	0.01	0.004	0.06	0.08	0.009	0.1	--	0.09	0.008	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009	0.03	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
122-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.04	0.5	0.07	0.09	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
122-O2	Other -Not Specified	0.04	0.004	0.07	0.09	0.03	0.1	--	0.2	0.03	0.005	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.003	0.05	0.5	0.07	0.09	0.06	0.9	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
122-P1	Play Area	0.04	0.004	0.07	0.09	0.04	0.2	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.02	--	0.02	0.004	0.05	0.5	0.08	0.09	0.07	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
123-G1	Garden	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
123-G2	Garden	0.04	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.01	0.001	0.05	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
123-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.009	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001	0.04	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
123-O1	Other -Not Specified	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001	0.04	0.5	0.1	0.1	0.04	1	0.4	0.9	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
123-O2	Other -Not Specified	0.05	0.007	0.1	0.1	0.04	0.2	--	0.2	0.03	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.06	0.5	0.1	0.1	0.07	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
124-G1	Garden	0.01	0.007	0.09	0.1	0.005	0.09	--	0.1	0.006	0.002	0.0009	0.01	0.01	0.0006	0.01	--	0.01	0.0006	0.03	0.5	0.09	0.1	0.04	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
124-G2	Garden	0.04	0.01	0.2	0.1	0.02	0.1	--	0.2	0.01	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.002	0.05	0.5	0.2	0.1	0.05	0.9	0.4	0.9	0.2	0.008	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
124-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.007	0.004	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0008	0.04	0.5	0.2	0.2	0.04	1	0.4	0.9	0.1	0.008	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
124-N1	Animal Activity Area	0.02	0.009	0.08	0.07	0.005	0.07	--	0.09	0.005	0.002	0.001	0.009	0.008	0.0006	0.008	--	0.01	0.0005	0.03	0.5	0.08	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
124-N2	Animal Activity Area	0.01	0.005	0.07	0.1	0.001	0.08	--	0.07	0.001	0.001	0.0006	0.008	0.01	0.0002	0.01	--	0.008	0.0001	0.02	0.5	0.08	0.1	0.03	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
124-O1	Other -Not Specified	0.03	0.01	0.2	0.1	0.01	0.2	--	0.2	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002	0.04	0.5	0.2	0.2	0.05	1	0.4	0.9	0.2	0.008	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
125-O1	Other -Not Specified	0.02	0.007	0.09	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0008	0.01	0.01	0.001	0.01	--	0.01	0.001	0.03	0.5	0.1	0.09	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
126-A1	Agriculture	0.02	0.003	0.04	0.07	0.008	0.09	--	0.09	0.007	0.002	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.0008	0.03	0.5	0.05	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.007	0.009	0.01	0.5	0.2	0.3	0.1
126-G1	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.004	0.003	0.0005	0.007	0.01	0.0008	0.01	--	0.01	0.0005	0.03	0.5	0.07	0.09	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
126-G2	Garden	0.02	0.004	0.05	0.07	0.008	0.1	--	0.08	0.006	0.002	0.0004	0.006	0.008	0.0009	0.01	--	0.01	0.0007	0.03	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
126-H1	House	0.01	0.003	0.04	0.06	0.004	0.07	--	0.06	0.003	0.001	0.0003	0.005	0.007	0.0004	0.008	--	0.007	0.0004	0.02	0.5	0.05	0.06	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.007	0.008	0.01	0.5	0.2	0.3	0.1
126-O1	Other -Not Specified	0.02	0.003	0.05	0.07	0.007	0.09	--	0.08	0.005	0.002	0.0004	0.005	0.008	0.0008	0.01	--	0.01	0.0006	0.03	0.5	0.05	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
126-O2	Other -Not Specified	0.01	0.003	0.04	0.07	0.006	0.07	--	0.07	0.003	0.002	0.0003	0.005	0.008	0.0007	0.008	--	0.008	0.0004	0.02	0.5	0.05	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.007	0.009	0.01	0.5	0.2	0.3	0.1
126-O3	Other -Not Specified	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.005	0.002	0.0005	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.03	0.5	0.07	0.09	0.04	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
126-P1	Play Area	0.01	0.003	0.04	0.06	0.005	0.05	--	0.1	0.003	0.002	0.0003	0.005	0.007	0.0006	0.005	--	0.01	0.0004	0.02	0.5	0.05	0.06	0.04	0.8	0.4	0.8	0.1	0.006	0.2	0.007	0.008	0.01	0.5	0.2	0.3	0.1
127-A1	Agriculture	0.03	0.004	0.07	0.09	0.02	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.003	0.02	--	0.02	0.002	0.05	0.5	0.08	0.1	0.06	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
127-G1	Garden	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.03	0.5	0.07	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
127-G2	Garden	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
127-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.001	0.04	0.5	0.08	0.1	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
127-H2	House	0.01	0.005	0.06	0.08	0.007	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
127-N1	Animal Activity Area	0.02	0.003	0.05	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0004	0.006	0.009	0.002	0.01	--	0.01	0.001	0.03	0.5	0.06	0.08	0.05	0.9	0.4	0.8	0.2	0.007	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
128-G1	Garden	0.05	0.01	0.1	0.1	0.008	0.1	--	0.1	0.006	0.006	0.001	0.01	0.01	0.0009	0.02	--	0.02	0.0007	0.06	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.01	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
128-G2	Garden	0.05	0.02	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.002	0.01	0.01	0.001	0.02	--	0.02	0.001	0.06	0.5	0.1	0.09	0.04	0.9	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
128-G3	Garden	0.03	0.008	0.1	0.1	0.006	0.1	--	0.1	0.004	0.004	0.0009	0.01	0.01	0.0007	0.02	--	0.02	0.0005	0.05	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
128-N1	Animal Activity Area	0.05	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.5	0.1	0.1	0.05	0.9	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
128-O1	Other -Not Specified	0.04	0.02	0.09	0.1	0.01	0.1	--	0.1	0.007	0.004	0.002	0.01	0.01	0.001	0.02	--	0.02	0.0009	0.05	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
129-H1	House	0.05	0.004	0.05	0.08	0.04	0.07	--	0.2	0.02	0.006	0.0004	0.006	0.009	0.004	0.008	--	0.02	0.002	0.06	0.5	0.06	0.08	0.07	0.9	0.4	0.9	0.2	0.01	0.2	0.008	0.01	0.02	0.5	0.2	0.3	0.1
129-H2	House	0.05	0.003	0.05	0.07	0.04	0.08	--	0.2	0.02	0.005	0.0004	0.006	0.008	0.004	0.009	--	0.02	0.003	0.06	0.5	0.06	0.07	0.07	0.9	0.4	0.9	0.2	0.009	0.2	0.008	0.009	0.02	0.5	0.2	0.3	0.1
130-G1	Garden	0.01	0.004	0.05	0.07	0.006	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0006	0.01	--	0.008	0.0005	0.02	0.5	0.05	0.07	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
130-H1	House	0.008	0.004	0.05	0.08	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.006	0.009	0.0003	0.008	--	0.008	0.0003	0.02	0.5	0.06	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.008	0.01	0.01	0.5	0.2	0.3	0.1
130-H2	House	0.02	0.005	0.07	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0007	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
131-H1	House	0.03	0.005	0.07	0.09	0.01	0.09	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.002	0.04	0.5	0.08	0.1	0.04	0.9	0.4	0.9	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
132-G1	Garden	0.01	0.004	0.06	0.08	0.003	0.06	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.007	--	0.008	0.0003	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
132-G2	Garden	0.009	0.004	0.07	0.09	0.002	0.08	--	0.07	0.001	0.001	0.0005	0.008	0.01	0.0002	0.009	--	0.008	0.0001	0.02	0.5	0.07	0.09	0.03	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
132-H1	House	0.01	0.004	0.05	0.07	0.004	0.07	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.008	--	0.009	0.0004	0.02	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
132-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0004	0.02	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
133-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.1	--	0.2	0.02	0.005	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002	0.06	0.5	0.08	0.09	0.05	0.9	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
133-H1	House	0.03	0.02	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.002	0.008	0.01	0.001	0.01	--	0.01	0.001	0.04	0.5	0.07	0.08	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
134-O1	Other -Not Specified	0.1	0.004	0.07	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0005	0.008	0.01	0.007	0.01	--	0.04	0.004	0.1	0.5	0.07	0.09	0.09	0.9	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
135-G1	Garden	0.05	0.005	0.07	0.07	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.02	--	0.02	0.001	0.06	0.5	0.07	0.08	0.04	0.9	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
135-H1	House	0.05	0.005	0.07	0.09	0.01	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.002	0.06	0.5	0.08	0.09	0.04	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
135-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.001	0.06	0.5	0.08	0.09	0.04	1	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
136-A1	Agriculture	0.02	0.005	0.06	0.08	0.01	0.08	--	0.09	0.005	0.002	0.0006	0.007	0.009	0.001	0.009	--	0.01	0.0005	0.03	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
136-G1	Garden	0.01	0.005	0.06	0.07	0.007	0.08	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0008	0.01	--	0.01	0.0005	0.03	0.5	0.06	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
136-H1	House	0.02	0.005	0.06	0.07	0.009	0.07	--	0.09	0.005	0.002	0.0006	0.006	0.008	0.001	0.008	--	0.01	0.0006	0.03	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
136-O1	Other -Not Specified	0.02	0.003	0.04	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.005	0.007	0.003	0.01	--	0.02	0.002	0.03	0.5	0.05	0.07	0.05	0.9	0.4	0.9	0.2	0.006	0.2	0.007	0.009	0.01	0.5	0.2	0.3	0.1
137-O1	Other -Not Specified	0.02	0.003	0.04	0.05	0.02	0.09	--	0.1	0.02	0.002	0.0003	0.005	0.006	0.002	0.01	--	0.01	0.002	0.03	0.5	0.05	0.06	0.05	0.9	0.4	0.9	0.2	0.006	0.2	0.007	0.008	0.01	0.5	0.2	0.3	0.1
137-O2	Other -Not Specified	0.02	0.003	0.05	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.002	0.03	0.5	0.05	0.07	0.05	0.9	0.4	0.9	0.2	0.006	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
138-G1	Garden	0.02	0.008	0.09	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.001	0.03	0.5	0.09	0.09	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
138-G2	Garden	0.02	0.009	0.09	0.08	0.01	0.1	--	0.08	0.009	0.002	0.001	0.01	0.009	0.001	0.02	--	0.01	0.001	0.03	0.5	0.09	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
138-H1	House	0.02	0.009	0.09	0.1	0.009	0.1	--	0.1	0.007	0.002	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0008	0.03	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
138-O1	Other -Not Specified	0.01	0.007	0.08	0.1	0.006	0.1	--	0.09	0.005	0.002	0.0008	0.009	0.01	0.0007	0.01	--	0.01	0.0006	0.03	0.5	0.09	0.1	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1

Table 5-28. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**												
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**												
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																	
138-O2	Other -Not Specified	0.02	0.01	0.08	0.08	0.01	0.1	--	0.09	0.02	0.003	0.001	0.009	0.009	0.001	0.01	--	0.01	0.002	0.03	0.5	0.08	0.08	0.04	0.9	0.4	0.8	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
139-G1	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0006	0.03	0.5	0.09	0.09	0.04	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
139-G2	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0009	0.01	--	0.01	0.0006	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
139-H1	House	0.02	0.004	0.07	0.07	0.006	0.1	--	0.09	0.006	0.002	0.0005	0.009	0.009	0.0007	0.01	--	0.01	0.0007	0.03	0.5	0.08	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
139-N1	Animal Activity Area	0.02	0.004	0.08	0.08	0.008	0.1	--	0.1	0.006	0.002	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.0007	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
140-G1	Garden	0.09	0.004	0.07	0.09	0.05	0.2	--	0.2	0.02	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.003	0.1	0.5	0.08	0.09	0.08	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
140-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
140-O1	Other -Not Specified	0.2	0.004	0.07	0.08	0.06	0.2	--	0.4	0.04	0.02	0.0005	0.008	0.01	0.008	0.02	--	0.04	0.005	0.2	0.5	0.07	0.09	0.1	1	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
140-O2[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
141-A1	Agriculture	0.03	0.009	0.1	0.1	0.008	0.2	--	0.1	0.006	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0006	0.04	0.5	0.1	0.1	0.04	1	0.4	0.8	0.1	0.008	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
141-H1	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.001	0.01	0.01	0.001	0.01	--	0.01	0.0008	0.04	0.5	0.1	0.1	0.04	0.9	0.4	0.8	0.1	0.008	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
141-H2	House	0.04	0.01	0.2	0.1	0.02	0.2	--	0.1	0.01	0.005	0.001	0.02	0.02	0.002	0.02	--	0.02	0.001	0.05	0.5	0.2	0.2	0.05	1	0.4	0.9	0.1	0.009	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
141-H3	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.008	0.004	0.001	0.01	0.02	0.001	0.02	--	0.01	0.001	0.04	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
141-N1	Animal Activity Area	0.02	0.006	0.08	0.1	0.007	0.1	--	0.08	0.005	0.002	0.0007	0.01	0.01	0.0008	0.01	--	0.009	0.0006	0.03	0.5	0.09	0.1	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
141-N2	Animal Activity Area	0.04	0.009	0.1	0.1	0.01	0.2	--	0.1	0.007	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0008	0.05	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.008	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
141-N3	Animal Activity Area	0.01	0.004	0.05	0.06	0.004	0.05	--	0.09	0.002	0.001	0.0004	0.006	0.007	0.0005	0.006	--	0.01	0.0003	0.02	0.5	0.06	0.06	0.04	0.8	0.4	0.8	0.1	0.005	0.2	0.009	0.008	0.01	0.5	0.2	0.3	0.1
141-N4	Animal Activity Area	0.03	0.009	0.1	0.1	0.009	0.1	--	0.1	0.006	0.004	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0007	0.05	0.5	0.1	0.1	0.04	0.9	0.4	0.8	0.1	0.008	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
141-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.02	0.001	0.02	--	0.01	0.0008	0.04	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
142-H1	House	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.02	0.001	0.04	0.5	0.09	0.1	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
142-O1	Other -Not Specified	0.02	0.005	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.001	0.03	0.5	0.09	0.1	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
143-A1	Agriculture	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007	0.03	0.5	0.06	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
143-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.03	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
143-G2	Garden	0.02	0.004	0.07	0.07	0.007	0.1	--	0.1	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006	0.03	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
143-H1	House	0.02	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009	0.03	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
144-G1	Garden	0.04	0.005	0.08	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.5	0.09	0.09	0.05	0.9	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
144-H1	House	0.04	0.004	0.07	0.08	0.02	0.1	--	0.2	0.02	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.05	0.5	0.08	0.09	0.05	0.9	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
145-A1	Agriculture	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.02	--	0.01	0.001	0.03	0.5	0.07	0.08	0.04	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
145-H1	House	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002	0.05	0.5	0.08	0.09	0.05	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
146G	Garden	0.03	0.007	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0008	0.01	0.01	0.0007	0.02	--	0.02	0.0005	0.04	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
146-H1	House	0.2	0.004	0.07	0.09	0.1	0.2	--	0.7	0.2	0.02	0.0005	0.009	0.01	0.01	0.03	--	0.08	0.02	0.2	0.5	0.08	0.09	0.1	1	0.4	1	0.3	0.02	0.2	0.01	0.01	0.03	0.5	0.2	0.4	0.2
147-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0007	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
147-G2	Garden	0.02	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.001	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
147-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0006	0.008	0.01	0.001	0.02	--	0.01	0.001	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
148-H1	House	0.01	0.004	0.06	0.07	0.004	0.07	--	0.08	0.004	0.001	0.0005	0.007	0.009	0.0005	0.008	--	0.009	0.0005	0.02	0.5	0.06	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
148-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.08	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.02	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
148-O3	Other -Not Specified	0.03	0.005	0.07	0.09	0.01	0.08	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.009	--	0.02	0.001	0.04	0.5	0.07	0.1	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
149-A1	Agriculture	0.04	0.05	0.3	0.2	0.02	0.2	--	0.3	0.05	0.005	0.006	0.03	0.02	0.002	0.02	--	0.03	0.006	0.05	0.5	0.3	0.2	0.05	1	0.4	1	0.2	0.009	0.2	0.03	0.02	0.01	0.5	0.2	0.3	0.1
149-G1	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.04	0.5	0.2	0.2	0.05	1	0.4	0.9	0.2	0.008	0.2	0.03	0.02	0.01	0.5	0.2	0.3	0.1
149-G2	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.04	0.5	0.2	0.2	0.05	1	0.4	0.9	0.2	0.008	0.2	0.03	0.02	0.01	0.5	0.2	0.3	0.1
149-H1	House	0.04	0.03	0.2	0.1	0.02	0.2	--	0.2	0.03	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.05	0.5	0.2	0.2	0.05	1	0.4	1	0.2	0.008	0.2	0.03	0.02	0.01	0.5	0.2	0.3	0.1
149-N1	Animal Activity Area	0.02	0.02	0.2	0.1	0.01	0.1	--	0.2	0.02	0.003	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002	0.04	0.5	0.2	0.1	0.04	0.9	0.4	0.9	0.2	0.007	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
150-G1	Garden	0.01	0.004	0.05	0.07	0.005	0.08	--	0.08	0.004	0.002	0.0005	0.006	0.009	0.0006	0.009	--	0.01	0.0004	0.02	0.5	0.06	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.008	0.01	0.01	0.5	0.2	0.3	0.1
150-H1	House	0.01	0.005	0.06	0.07	0.005	0.08	--	0.07	0.004	0.001	0.0005	0.007	0.009	0.0005	0.009	--	0.008	0.0004	0.02	0.5	0.06	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
151-H1	House	0.02	0.006	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.008	0.01	0.001	0.01	--	0.01	0.001	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
152-G1	Garden	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001	0.05	0.5	0.07	0.09	0.04	0.9	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
152-H1	House	0.04	0.007	0.08	0.07	0.02	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.008	0.002	0.01	--	0.02	0.002	0.05	0.5	0.09	0.07	0.05	0.9	0.4	0.9	0.2	0.008	0.2	0.01	0.009	0.01	0.5	0.2	0.3	0.1
153-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.2	--	0.1	0.01	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.06	0.5	0.07	0.09	0.05	1	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
153-H1	House	0.08	0.006	0.09	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0007	0.01	0.01	0.004	0.02	--	0.03	0.004	0.09	0.5	0.1	0.1	0.07	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
153-O1	Other -Not Specified	0.04	0.005	0.08	0.08	0.03	0.3	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.03	--	0.02	0.003	0.05	0.5	0.09	0.09	0.07	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
153-O2	Other -Not Specified	0.04	0.003	0.04	0.05	0.05	0.1	--	0.2	0.03	0.005	0.0003	0.004	0.006	0.006	0.02	--	0.02	0.003	0.05	0.5	0.04	0.05	0.08	0.9	0.4	0.9	0.2	0.009	0.2	0.006	0.007	0.02	0.5	0.2	0.3	0.1
153-O3	Other -Not Specified	0.07	0.005	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	0.0006	0.009	0.01	0.004	0.02	--	0.02	0.002	0.08	0.5	0.08	0.1	0.06	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
153-O5	Other -Not Specified	0.08	0.005	0.07	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0005	0.008	0.01	0.004	0.02	--	0.03	0.003	0.09	0.5	0.08	0.09	0.07	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
153-O6	Other -Not Specified	0.05	0.005	0.08	0.1	0.02	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.001	0.06	0.5	0.09	0.1	0.05	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
153-O7	Other -Not Specified	0.08	0.005	0.08	0.09	0.05	0.2	--	0.2	0.04	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.005	0.09	0.5	0.08	0.09	0.08	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
153-P1	Play Area	0.07	0.005	0.09	0.09	0.04	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.03	--	0.03	0.004	0.08	0.5	0.1	0.1	0.07	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
154-G1	Garden	0.01	0.006	0.08	0.09	0.003	0.1	--	0.09	0.003	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.01	0.0003	0.02	0.5	0.09	0.1	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
154-H1	House	0.01	0.005	0.07	0.07	0.007	0.07	--	0.08	0.003	0.001	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0004	0.02	0.5	0.08	0.07	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.009	0.01	0.5	0.2	0.3	0.1
155-G1	Garden	0.04	0.004	0.07	0.07	0.02	0.1	--	0.1	0.02	0.005	0.0005	0.008	0.008	0.003	0.02	--	0.02	0.002	0.05	0.5	0.08	0.07	0.06	0.9	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
155-G2	Garden	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.001	0.03	0.5	0.08	0.08	0.05	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
155-H1	House	0.02	0.005	0.07	0.07	0.008	0.08	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006	0.03	0.5	0.08	0.07	0.04	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
155-H2	House	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.02	0.001	0.04	0.5	0.06	0.07	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
155-O2	Other -Not Specified	0.04	0.003	0.06	0.06	0.04	0.1	--	0.2	0.02	0.005	0.0004	0.007	0.007	0.005	0.01	--	0.02	0.003	0.05	0.5	0.06	0.07	0.07	0.9	0.4	0.9	0.2	0.009	0.2	0.009	0.009	0.02	0.5	0.2	0.3	0.1
156-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0009	0.03	0.5	0.07	0.09	0.05	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
156-O1	Other -Not Specified	0.03	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.006	0.008	0.003	0.01	--	0.02	0.002	0.04	0.5	0.06	0.07	0.06	0.9	0.4	0.9	0.2	0.008	0.2	0.008	0.009	0.02	0.5	0.2	0.3	0.1
157-G1	Garden	0.02	0.005	0.07	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0008	0.009	--	0.01	0.0006	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
157-H1	House	0.02	0.005	0.07	0.08	0.01	0.07	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.002	0.009	--	0.02	0.001	0.03	0.5	0.08	0.08	0.05	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1

Table 5-28. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																					
157-H2	House	0.02	0.005	0.07	0.08	0.008	0.07	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.009	--	0.01	0.0008	0.03	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
157-O1	Other -Not Specified	0.02	0.004	0.06	0.06	0.009	0.06	--	0.09	0.007	0.002	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.0008	0.03	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
158-H1	House	0.01	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0005	0.008	--	0.01	0.0004	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
158-O1	Other -Not Specified	0.01	0.005	0.07	0.08	0.006	0.08	--	0.1	0.004	0.001	0.0005	0.008	0.009	0.0007	0.009	--	0.01	0.0004	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
159-G1	Garden	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0008	0.03	0.5	0.06	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
159-H1	House	0.02	0.003	0.05	0.06	0.006	0.07	--	0.08	0.006	0.002	0.0004	0.005	0.007	0.0007	0.008	--	0.009	0.0007	0.03	0.5	0.05	0.06	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.008	0.008	0.01	0.5	0.2	0.3	0.1
159-H2	House	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.04	0.5	0.06	0.07	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
159-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.005	0.08	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006	0.03	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
159-O2	Other -Not Specified	0.02	0.004	0.06	0.07	0.006	0.08	--	0.08	0.006	0.002	0.0005	0.007	0.008	0.0007	0.009	--	0.009	0.0007	0.03	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
160-G1	Garden	0.03	0.004	0.06	0.07	0.009	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.04	0.5	0.07	0.07	0.04	0.9	0.4	0.8	0.2	0.007	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
160-H1	House	0.02	0.004	0.07	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0005	0.008	0.01	0.0007	0.01	--	0.01	0.0008	0.03	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
160-H2	House	0.02	0.005	0.07	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0006	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
161-H1	House	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.002	0.04	0.5	0.07	0.08	0.04	0.9	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
161-N1	Animal Activity Area	0.02	0.004	0.06	0.06	0.008	0.08	--	0.09	0.01	0.002	0.0005	0.007	0.007	0.0009	0.009	--	0.01	0.001	0.03	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
162-H1	House	0.01	0.003	0.05	0.06	0.02	0.05	--	0.08	0.008	0.002	0.0003	0.006	0.008	0.002	0.006	--	0.009	0.0009	0.02	0.5	0.05	0.07	0.05	0.9	0.4	0.8	0.1	0.006	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
163G	Garden	0.09	0.005	0.07	0.08	0.02	0.2	--	0.2	0.02	0.01	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002	0.1	0.5	0.08	0.09	0.05	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
163-G1	Garden	0.01	0.003	0.05	0.06	0.008	0.09	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.001	0.01	--	0.009	0.0006	0.02	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
163-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001	0.03	0.5	0.06	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
164-H1	House	0.03	0.005	0.07	0.09	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.002	0.04	0.5	0.08	0.09	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
165-H1	House	0.03	0.01	0.2	0.2	0.009	0.1	--	0.09	0.005	0.003	0.002	0.02	0.02	0.001	0.02	--	0.01	0.0006	0.04	0.5	0.2	0.2	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
165-O1	Other -Not Specified	0.04	0.02	0.2	0.2	0.02	0.2	--	0.1	0.01	0.005	0.002	0.03	0.02	0.002	0.02	--	0.02	0.002	0.05	0.5	0.3	0.2	0.05	1	0.4	0.9	0.2	0.009	0.2	0.03	0.02	0.01	0.5	0.2	0.3	0.1
166-O1	Other -Not Specified	0.05	0.004	0.05	0.1	0.03	0.07	--	0.2	0.03	0.005	0.0004	0.006	0.01	0.003	0.008	--	0.02	0.003	0.06	0.5	0.06	0.1	0.06	0.9	0.4	0.9	0.2	0.009	0.2	0.008	0.01	0.02	0.5	0.2	0.3	0.1
167-O1	Other -Not Specified	0.02	0.004	0.06	0.08	0.009	0.08	--	0.1	0.01	0.002	0.0005	0.007	0.009	0.001	0.009	--	0.01	0.001	0.03	0.5	0.07	0.08	0.04	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
167-O2	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.07	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.008	--	0.02	0.001	0.03	0.5	0.06	0.07	0.05	0.9	0.4	0.9	0.1	0.007	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
167-O3	Other -Not Specified	0.03	0.004	0.07	0.08	0.03	0.1	--	0.2	0.02	0.003	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.002	0.04	0.5	0.07	0.08	0.06	0.9	0.4	0.9	0.2	0.007	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
167-O4	Other -Not Specified	0.02	0.004	0.06	0.08	0.02	0.08	--	0.2	0.01	0.003	0.0005	0.007	0.01	0.002	0.009	--	0.02	0.001	0.03	0.5	0.07	0.09	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
167-O5	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.08	--	0.2	0.01	0.003	0.0004	0.007	0.009	0.002	0.009	--	0.02	0.001	0.04	0.5	0.06	0.08	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
167-O6	Other -Not Specified	0.03	0.004	0.06	0.07	0.03	0.1	--	0.1	0.02	0.004	0.0004	0.006	0.009	0.003	0.01	--	0.02	0.002	0.04	0.5	0.06	0.08	0.06	0.9	0.4	0.9	0.2	0.008	0.2	0.009	0.01	0.02	0.5	0.2	0.3	0.1
167-O7	Other -Not Specified	0.06	0.004	0.06	0.08	0.05	0.1	--	0.2	0.03	0.007	0.0004	0.007	0.009	0.006	0.01	--	0.03	0.004	0.07	0.5	0.07	0.08	0.08	0.9	0.4	1	0.2	0.01	0.2	0.009	0.01	0.02	0.5	0.2	0.3	0.1
167-O8	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.08	--	0.1	0.01	0.002	0.0004	0.005	0.008	0.003	0.01	--	0.02	0.001	0.03	0.5	0.05	0.07	0.06	0.9	0.4	0.9	0.2	0.006	0.2	0.008	0.009	0.02	0.5	0.2	0.3	0.1
167-O9	Other -Not Specified	0.02	0.004	0.05	0.08	0.02	0.09	--	0.1	0.01	0.003	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.002	0.03	0.5	0.06	0.08	0.06	0.9	0.4	0.9	0.2	0.007	0.2	0.008	0.01	0.02	0.5	0.2	0.3	0.1
168-G1	Garden	0.01	0.006	0.06	0.07	0.006	0.09	--	0.08	0.008	0.001	0.0007	0.007	0.009	0.0007	0.01	--	0.01	0.0009	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
168-G2	Garden	0.01	0.007	0.07	0.08	0.007	0.1	--	0.1	0.006	0.001	0.0008	0.008	0.009	0.0008	0.01	--	0.01	0.0007	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
168-H1	House	0.009	0.005	0.06	0.08	0.004	0.07	--	0.08	0.004	0.001	0.0006	0.007	0.009	0.0005	0.009	--	0.009	0.0005	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
168-N1	Animal Activity Area	0.01	0.007	0.06	0.06	0.007	0.09	--	0.07	0.007	0.002	0.0008	0.007	0.007	0.0008	0.01	--	0.008	0.0008	0.02	0.5	0.06	0.06	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.008	0.01	0.5	0.2	0.3	0.1
168-O1	Other -Not Specified	0.04	0.01	0.07	0.08	0.03	0.07	--	0.1	0.02	0.005	0.002	0.009	0.009	0.003	0.009	--	0.02	0.002	0.05	0.5	0.08	0.08	0.06	0.9	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
169A	Other -Not Specified	0.03	0.004	0.06	0.1	0.05	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.006	0.007	--	0.02	0.002	0.05	0.5	0.07	0.1	0.09	0.9	0.4	0.9	0.2	0.008	0.2	0.01	0.02	0.02	0.5	0.2	0.3	0.1
169-G2	Garden	0.01	0.004	0.06	0.08	0.008	0.07	--	0.08	0.006	0.002	0.0005	0.007	0.009	0.0009	0.008	--	0.009	0.0007	0.03	0.5	0.06	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
169-G3	Garden	0.02	0.006	0.08	0.1	0.01	0.1	--	0.1	0.006	0.002	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0008	0.03	0.5	0.09	0.1	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
169-G4	Garden	0.02	0.004	0.06	0.09	0.01	0.09	--	0.08	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.03	0.5	0.07	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
169-H1	House	0.01	0.004	0.05	0.07	0.007	0.08	--	0.06	0.004	0.001	0.0004	0.005	0.008	0.0009	0.01	--	0.007	0.0005	0.02	0.5	0.05	0.07	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
170-G1	Garden	0.02	0.005	0.07	0.1	0.008	0.1	--	0.09	0.006	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0007	0.03	0.5	0.08	0.1	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
170-G2	Garden	0.02	0.005	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.01	0.002	0.03	0.5	0.07	0.09	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
170-H1	House	0.02	0.004	0.06	0.08	0.01	0.09	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0009	0.03	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
171-A1	Agriculture	0.04	0.01	0.2	0.1	0.02	0.2	--	0.2	0.02	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.003	0.05	0.5	0.2	0.1	0.05	1	0.4	0.9	0.2	0.008	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
171-G1	Garden	0.05	0.01	0.1	0.1	0.03	0.2	--	0.2	0.03	0.006	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003	0.06	0.5	0.1	0.1	0.06	1	0.4	1	0.2	0.01	0.2	0.02	0.02	0.02	0.5	0.2	0.3	0.1
171-H1	House	0.03	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.003	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.003	0.04	0.5	0.1	0.1	0.06	0.9	0.4	0.9	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
172U	Other -Not Specified	0.04	0.005	0.05	0.2	0.02	0.06	--	0.2	0.04	0.005	0.0006	0.006	0.02	0.003	0.007	--	0.02	0.004	0.05	0.5	0.05	0.2	0.06	0.9	0.4	0.9	0.2	0.009	0.2	0.008	0.02	0.01	0.5	0.2	0.3	0.1
173-G1	Garden	0.02	0.006	0.07	0.1	0.007	0.1	--	0.09	0.005	0.002	0.0008	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.03	0.5	0.07	0.1	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
173-G2	Garden	0.01	0.006	0.07	0.1	0.003	0.07	--	0.07	0.002	0.001	0.0007	0.008	0.01	0.0003	0.008	--	0.008	0.0002	0.02	0.5	0.07	0.1	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
173-G3	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0009	0.008	0.01	0.001	0.01	--	0.01	0.001	0.05	0.5	0.07	0.1	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
173-G4	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0009	0.008	0.01	0.002	0.01	--	0.01	0.001	0.04	0.5	0.08	0.1	0.05	0.9	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
173-G5	Garden	0.02	0.006	0.08	0.1	0.005	0.1	--	0.08	0.003	0.002	0.0007	0.01	0.01	0.0006	0.01	--	0.01	0.0003	0.03	0.5	0.09	0.1	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
173-H1	House	0.03	0.006	0.06	0.08	0.01	0.09	--	0.1	0.01	0.003	0.0007	0.007	0.009	0.002	0.01	--	0.01	0.002	0.04	0.5	0.06	0.08	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
173-P1	Play Area	0.03	0.006	0.07	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0007	0.008	0.01	0.002	0.01	--	0.02	0.002	0.04	0.5	0.07	0.09	0.05	0.9	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
174-A1	Agriculture	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.001	0.04	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
174-G1	Garden	0.03	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.03	--	0.02	0.001	0.04	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
174-H1	House	0.04	0.008	0.1	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002	0.05	0.5	0.1	0.09	0.06	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
174M	House	0.01	0.004	0.06	0.06	0.002	0.06	--	0.07	0.004	0.002	0.0005	0.007	0.007	0.0003	0.007	--	0.008	0.0005	0.02	0.5	0.06	0.07	0.03	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
175-G1	Garden	0.02	0.004	0.05	0.06	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.001	0.03	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
175-G2	Garden	0.01	0.004	0.05	0.06	0.005	0.06	--	0.07	0.003	0.001	0.0004	0.005	0.007	0.0006	0.007	--	0.008	0.0004	0.02	0.5	0.05	0.06	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.008	0.008	0.01	0.5	0.2	0.3	0.1
175-H1	House	0.01	0.003	0.04	0.06	0.01	0.08	--	0.09	0.008	0.002	0.0004	0.005	0.007	0.001	0.009	--	0.01	0.001	0.02	0.5	0.05	0.06	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.007	0.008	0.01	0.5	0.2	0.3	0.1
176-A1	Agriculture	0.02	0.005	0.07	0.07	0.009	0.09	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006	0.03	0.5	0.07	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.009	0.01	0.5	0.2	0.3	0.1
176G	Garden	0.05	0.005	0.06	0.06	0.02	0.1	--	0.1	0.01	0.006	0.0006	0.007	0.007	0.002	0.01	--	0.02	0.002	0.06	0.5	0.06	0.06	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.009	0.008	0.01	0.5	0.2	0.3	0.1
176-H1	House	0.02	0.004	0.06	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0007	0.03	0.5	0.06	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
176-H2	House	0.02	0.005	0.06	0.07	0.007	0.08	--	0.1	0.004	0.002	0.0006	0.008	0.009	0.0009	0.009	--	0.01	0.0005	0.03	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
176M	House	0.05	0.004	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0005	0.006	0.007	0.002	0.01	--	0.02	0.003	0.06	0.5	0.06	0.06	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.009	0.008	0.01	0.5	0.2	0.3	0.1

Table 5-28. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																					
176-P1	Play Area	0.02	0.004	0.05	0.08	0.006	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.009	0.0007	0.01	--	0.01	0.0006	0.03	0.5	0.06	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.008	0.01	0.01	0.5	0.2	0.3	0.1
178-H1	House	0.02	0.005	0.08	0.1	0.005	0.1	--	0.1	0.003	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0004	0.03	0.5	0.09	0.1	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
179-H1	House	0.03	0.006	0.07	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0008	0.008	0.01	0.001	0.02	--	0.01	0.001	0.04	0.5	0.08	0.09	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
180-H1	House	0.07	0.005	0.07	0.09	0.05	0.09	--	0.3	0.02	0.009	0.0005	0.008	0.01	0.005	0.01	--	0.03	0.002	0.08	0.5	0.07	0.09	0.08	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
180-H2[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
180-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.08	0.1	--	0.3	0.02	0.006	0.0005	0.008	0.01	0.009	0.01	--	0.04	0.003	0.06	0.5	0.07	0.09	0.1	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
181-A1	Agriculture	0.06	0.006	0.08	0.09	0.01	0.2	--	0.2	0.01	0.007	0.0008	0.009	0.01	0.002	0.02	--	0.02	0.001	0.07	0.5	0.09	0.09	0.05	1	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
181-G1	Garden	0.04	0.005	0.07	0.08	0.008	0.1	--	0.1	0.004	0.005	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0005	0.05	0.5	0.08	0.08	0.04	0.9	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
181-G2	Garden	0.06	0.007	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.5	0.1	0.09	0.05	1	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
181-H1	House	0.06	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
181-H2	House	0.07	0.007	0.1	0.1	0.02	0.2	--	0.2	0.01	0.009	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.08	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
181-N1	Animal Activity Area	0.08	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.009	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002	0.09	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
181-N2	Animal Activity Area	0.06	0.006	0.08	0.09	0.02	0.2	--	0.2	0.01	0.008	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.07	0.5	0.09	0.09	0.05	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
181-O1	Other -Not Specified	0.04	0.007	0.09	0.09	0.008	0.1	--	0.1	0.006	0.004	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0007	0.05	0.5	0.09	0.09	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
182-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.2	--	0.2	0.03	0.004	0.001	0.01	0.01	0.003	0.02	--	0.02	0.003	0.05	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.008	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
182-G2	Garden	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.03	0.008	0.001	0.02	0.01	0.003	0.03	--	0.03	0.003	0.08	0.5	0.1	0.1	0.06	1	0.4	1	0.2	0.01	0.2	0.02	0.01	0.02	0.5	0.2	0.3	0.1
182-H1	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.2	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
182-H2	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
182-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.5	0.1	0.1	0.05	0.9	0.4	0.9	0.2	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
182-O2	Other -Not Specified	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	0.001	0.01	0.01	0.003	0.03	--	0.02	0.003	0.08	0.5	0.1	0.1	0.06	1	0.4	1	0.2	0.01	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
182-O3	Other -Not Specified	0.03	0.01	0.09	0.08	0.02	0.2	--	0.2	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.003	0.04	0.5	0.1	0.09	0.05	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
184-H1	House	0.05	0.003	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0004	0.006	0.007	0.003	0.01	--	0.02	0.002	0.06	0.5	0.06	0.06	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.008	0.008	0.01	0.5	0.2	0.3	0.1
185-A1	Agriculture	0.02	0.009	0.08	0.08	0.01	0.08	--	0.1	0.008	0.003	0.001	0.009	0.009	0.002	0.009	--	0.02	0.0009	0.03	0.5	0.08	0.08	0.05	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
185G	Garden	0.05	0.008	0.1	0.1	0.007	0.1	--	0.2	0.004	0.006	0.0009	0.02	0.01	0.0008	0.02	--	0.02	0.0005	0.07	0.5	0.2	0.1	0.04	0.9	0.4	0.9	0.1	0.01	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
185-H1	House	0.02	0.008	0.07	0.09	0.01	0.09	--	0.1	0.008	0.003	0.0009	0.009	0.01	0.001	0.01	--	0.02	0.0009	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
186-O1	Other -Not Specified	0.05	0.004	0.06	0.1	0.03	0.07	--	0.2	0.03	0.006	0.0005	0.007	0.02	0.004	0.009	--	0.02	0.003	0.06	0.5	0.07	0.1	0.07	0.9	0.4	0.9	0.2	0.01	0.2	0.009	0.02	0.02	0.5	0.2	0.3	0.1
187-H1	House	0.02	0.004	0.07	0.08	0.02	0.1	--	0.1	0.01	0.002	0.0005	0.008	0.009	0.002	0.01	--	0.02	0.002	0.03	0.5	0.08	0.08	0.05	0.9	0.4	0.9	0.2	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
188-A1	Agriculture	0.02	0.008	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001	0.03	0.5	0.09	0.1	0.04	1	0.4	0.8	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
188-G1	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.01	0.002	0.04	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
188-G2	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
188-G3	Garden	0.02	0.006	0.09	0.09	0.01	0.2	--	0.1	0.008	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.01	0.001	0.04	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
188-H1	House	0.01	0.01	0.08	0.09	0.007	0.1	--	0.1	0.005	0.002	0.001	0.01	0.01	0.0008	0.02	--	0.01	0.0006	0.02	0.5	0.09	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
188-P1	Play Area	0.02	0.005	0.07	0.08	0.008	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008	0.03	0.5	0.08	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
189-G1	Garden	0.02	0.006	0.08	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.009	0.01	0.0009	0.01	--	0.01	0.0005	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
189-H1	House	0.02	0.005	0.07	0.08	0.008	0.09	--	0.1	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008	0.03	0.5	0.08	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
189-H2	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.001	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
189-O1	Other -Not Specified	0.04	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001	0.05	0.5	0.07	0.09	0.05	0.9	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
190-G1	Garden	0.009	0.004	0.07	0.08	0.004	0.08	--	0.1	0.002	0.001	0.0005	0.008	0.009	0.0005	0.01	--	0.01	0.0002	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
190-H1	House	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.005	0.001	0.0005	0.007	0.008	0.0006	0.01	--	0.008	0.0005	0.02	0.5	0.07	0.07	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
190-N1	Animal Activity Area	0.01	0.005	0.07	0.09	0.005	0.1	--	0.08	0.003	0.001	0.0005	0.008	0.01	0.0005	0.01	--	0.009	0.0004	0.02	0.5	0.07	0.09	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
190-N2	Animal Activity Area	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
190-N3	Animal Activity Area	0.009	0.004	0.06	0.08	0.003	0.09	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
190-O1	Other -Not Specified	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
191-H1	House	0.03	0.007	0.08	0.09	0.03	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.01	0.003	0.01	--	0.02	0.002	0.04	0.5	0.09	0.09	0.06	0.9	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
192-A1	Agriculture	0.03	0.01	0.08	0.09	0.02	0.09	--	0.1	0.008	0.003	0.001	0.01	0.01	0.002	0.01	--	0.02	0.0009	0.04	0.5	0.09	0.1	0.05	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
192-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.09	--	0.2	0.007	0.004	0.002	0.01	0.01	0.003	0.01	--	0.02	0.0008	0.05	0.5	0.1	0.1	0.06	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
192-H1	House	0.02	0.008	0.07	0.08	0.02	0.08	--	0.1	0.007	0.003	0.001	0.008	0.01	0.002	0.009	--	0.01	0.0008	0.04	0.5	0.07	0.09	0.05	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
193-G1	Garden	0.01	0.003	0.05	0.06	0.003	0.06	--	0.06	0.002	0.001	0.0004	0.006	0.007	0.0003	0.007	--	0.007	0.0002	0.02	0.5	0.05	0.06	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.008	0.008	0.01	0.5	0.2	0.3	0.1
193-H1	House	0.01	0.004	0.06	0.07	0.003	0.07	--	0.07	0.002	0.001	0.0005	0.007	0.008	0.0004	0.008	--	0.008	0.0003	0.02	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
194-H1	House	0.008	0.004	0.05	0.07	0.003	0.07	--	0.07	0.003	0.0009	0.0004	0.006	0.008	0.0004	0.008	--	0.009	0.0003	0.02	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
194-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.006	0.09	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0007	0.01	--	0.01	0.0005	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
195-G1	Garden	0.02	0.004	0.05	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.0008	0.03	0.5	0.06	0.07	0.05	0.9	0.4	0.8	0.1	0.007	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
195-G2	Garden	0.03	0.004	0.06	0.08	0.03	0.2	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.003	0.02	--	0.02	0.002	0.05	0.5	0.07	0.08	0.06	1	0.4	0.9	0.2	0.008	0.2	0.009	0.01	0.02	0.5	0.2	0.3	0.1
195-O1	Other -Not Specified	0.03	0.003	0.04	0.06	0.03	0.1	--	0.1	0.02	0.003	0.0003	0.005	0.007	0.003	0.01	--	0.01	0.002	0.04	0.5	0.05	0.06	0.06	0.9	0.4	0.9	0.2	0.007	0.2	0.007	0.008	0.02	0.5	0.2	0.3	0.1
196-A1	Agriculture	0.01	0.005	0.07	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0009	0.01	--	0.01	0.0007	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
196-A2	Agriculture	0.02	0.006	0.08	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0007	0.009	0.009	0.001	0.01	--	0.01	0.001	0.03	0.5	0.08	0.08	0.04	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
196-G1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.0008	0.03	0.5	0.08	0.08	0.04	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
196-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.09	0.008	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0009	0.03	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
197-H1	House	0.02	0.007	0.1	0.1	0.01	0.09	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.001	0.03	0.5	0.1	0.1	0.05	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
198-G1	Garden	0.03	0.005	0.07	0.08	0.01	0.2	--	0.1	0.008	0.004	0.0006	0.008	0.009	0.001	0.02	--	0.01	0.001	0.04	0.5	0.08	0.08	0.04	1	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
198-H1	House	0.03	0.008	0.1	0.1	0.02	0.2	--	0.2	0.01	0.004	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
199-G1	Garden	0.01	0.006	0.09	0.1	0.004	0.1	--	0.1	0.002	0.001	0.0007	0.01	0.01	0.0004	0.01	--	0.01	0.0002	0.02	0.5	0.09	0.1	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.02	0.01	0.5	0.2	0.3	0.1
199-O1	Other -Not Specified	0.01	0.006	0.08	0.1	0.005	0.09	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0005	0.01	--	0.01	0.0004	0.02	0.5	0.09	0.1	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.01	0.02	0.01	0.5	0.2	0.3	0.1
200-G1	Garden	0.04	0.007	0.1	0.1	0.007	0.2	--	0.1	0.005	0.004	0.0008	0.01	0.01	0.0008	0.03	--	0.01	0.0006	0.05	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.008	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
200-H1	House	0.03	0.006	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0007	0.01	0.01	0.0007	0.02	--	0.01	0.0004	0.04	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.008	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
200-O1	Other -Not Specified	0.04	0.01	0.1	0.1	0.007	0.2	--	0.1	0.004	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0004	0.05	0.5	0.2	0.2	0.04	1	0.4	0.9	0.1	0.009	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1

Table 5-28. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Smallmouth Bass

		Total HI Across COPCs by Pathway																		Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																				
201G[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.5	0.1	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
201-O1	Other -Not Specified	0.07	0.006	0.09	0.1	0.04	0.1	--	0.2	0.02	0.008	0.0007	0.01	0.01	0.005	0.01	--	0.02	0.003	0.08	0.5	0.1	0.1	0.07	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
202-H1	House	0.03	0.004	0.06	0.07	0.01	0.06	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.007	--	0.01	0.001	0.04	0.5	0.06	0.07	0.04	0.9	0.4	0.9	0.2	0.007	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
202-N1	Animal Activity Area	0.02	0.004	0.06	0.07	0.007	0.06	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0009	0.007	--	0.01	0.0006	0.03	0.5	0.06	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
202-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.07	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.0008	0.009	--	0.01	0.001	0.03	0.5	0.07	0.09	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
203-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
203-O1[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
203-O2	Other -Not Specified	0.1	0.004	0.07	0.09	0.07	0.2	--	0.3	0.03	0.02	0.0004	0.008	0.01	0.008	0.02	--	0.04	0.004	0.1	0.5	0.07	0.1	0.1	1	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
203-O3[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
203-O4[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
205-O1	Other -Not Specified	0.1	0.005	0.07	0.08	0.04	0.06	--	0.3	0.02	0.01	0.0006	0.008	0.01	0.004	0.007	--	0.04	0.003	0.1	0.5	0.08	0.09	0.07	0.9	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
206-A1	Agriculture	0.03	0.02	0.1	0.1	0.01	0.1	--	0.1	0.01	0.004	0.002	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.5	0.1	0.1	0.05	0.9	0.4	0.9	0.2	0.008	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
206-G1	Garden	0.02	0.007	0.07	0.08	0.007	0.1	--	0.09	0.006	0.002	0.0008	0.009	0.009	0.0008	0.01	--	0.01	0.0007	0.03	0.5	0.08	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
206-H1	House	0.009	0.005	0.06	0.08	0.003	0.08	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0003	0.009	--	0.008	0.0003	0.02	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.005	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
206-H2	House	0.03	0.04	0.2	0.1	0.03	0.2	--	0.2	0.03	0.004	0.005	0.02	0.01	0.003	0.02	--	0.02	0.003	0.04	0.5	0.2	0.1	0.06	1	0.4	0.9	0.2	0.008	0.2	0.03	0.01	0.02	0.5	0.2	0.3	0.1
206-O1	Other -Not Specified	0.06	0.008	0.1	0.1	0.03	0.2	--	0.3	0.02	0.007	0.0009	0.01	0.01	0.004	0.02	--	0.03	0.002	0.07	0.5	0.1	0.1	0.07	1	0.4	1	0.2	0.01	0.2	0.02	0.01	0.02	0.5	0.2	0.3	0.1
207-O1	Other -Not Specified	0.02	0.003	0.05	0.06	0.01	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.001	0.03	0.5	0.05	0.06	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.008	0.008	0.01	0.5	0.2	0.3	0.1
208AA	Animal Activity Area	0.04	0.005	0.07	0.07	0.02	0.09	--	0.1	0.01	0.005	0.0005	0.008	0.008	0.002	0.01	--	0.02	0.002	0.05	0.5	0.07	0.07	0.05	0.9	0.4	0.9	0.2	0.009	0.2	0.01	0.009	0.01	0.5	0.2	0.3	0.1
208BM	House	0.05	0.007	0.1	0.1	0.01	0.1	--	0.2	0.009	0.006	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001	0.06	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.01	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
208G	Garden	0.05	0.008	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.02	0.01	0.001	0.02	--	0.02	0.001	0.06	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.01	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
208-H1	House	0.07	0.004	0.07	0.07	0.03	0.2	--	0.2	0.02	0.009	0.0005	0.008	0.009	0.004	0.02	--	0.02	0.002	0.08	0.5	0.07	0.08	0.06	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
209A	Agriculture	0.04	0.006	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.5	0.1	0.1	0.05	0.9	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
209-G1	Garden	0.05	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.003	0.06	0.5	0.08	0.08	0.06	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
209-H1	House	0.09	0.005	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.5	0.09	0.09	0.07	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
209-P1	Play Area	0.1	0.005	0.08	0.09	0.04	0.2	--	0.3	0.04	0.01	0.0006	0.01	0.01	0.005	0.02	--	0.03	0.005	0.1	0.5	0.09	0.09	0.07	1	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
210-H1	House	0.04	0.005	0.06	0.08	0.009	0.09	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001	0.05	0.5	0.06	0.08	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
210-O1	Other -Not Specified	0.04	0.004	0.05	0.07	0.01	0.09	--	0.1	0.01	0.004	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.001	0.05	0.5	0.05	0.07	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
211-A1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001	0.04	0.5	0.07	0.08	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
211-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.004	0.003	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0005	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
211-G2	Garden	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0006	0.04	0.5	0.09	0.09	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
211-H1	House	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.009	0.002	0.0006	0.009	0.009	0.0009	0.01	--	0.01	0.001	0.03	0.5	0.08	0.08	0.04	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
211-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.02	0.002	0.03	0.5	0.06	0.07	0.04	0.9	0.4	0.9	0.2	0.007	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
212-H1	House	0.03	0.005	0.08	0.2	0.03	0.08	--	0.2	0.02	0.003	0.0006	0.009	0.02	0.004	0.009	--	0.02	0.003	0.04	0.5	0.08	0.2	0.06	0.9	0.4	0.9	0.2	0.007	0.2	0.01	0.02	0.02	0.5	0.2	0.3	0.1
212-H2	House	0.03	0.004	0.06	0.1	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.002	0.007	--	0.01	0.002	0.04	0.5	0.07	0.1	0.05	0.9	0.4	0.9	0.2	0.008	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
213-O1	Other -Not Specified	0.04	0.009	0.1	0.1	0.006	0.2	--	0.1	0.004	0.005	0.001	0.01	0.01	0.0007	0.02	--	0.01	0.0004	0.05	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.009	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
213-O2	Other -Not Specified	0.05	0.007	0.1	0.09	0.01	0.2	--	0.2	0.006	0.006	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.06	0.5	0.1	0.1	0.04	1	0.4	1	0.1	0.01	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
213-O3	Other -Not Specified	0.04	0.007	0.1	0.1	0.008	0.1	--	0.1	0.004	0.004	0.0008	0.01	0.02	0.001	0.01	--	0.02	0.0005	0.05	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.02	0.01	0.5	0.2	0.3	0.1
21G	Garden	0.07	0.005	0.07	0.07	0.04	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.009	0.005	0.02	--	0.02	0.003	0.08	0.5	0.07	0.08	0.07	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
226C	House	0.07	0.004	0.05	0.06	0.04	0.08	--	0.3	0.02	0.008	0.0004	0.006	0.007	0.005	0.009	--	0.03	0.002	0.08	0.5	0.06	0.06	0.08	0.9	0.4	1	0.2	0.01	0.2	0.008	0.008	0.02	0.5	0.2	0.3	0.1
230G	Garden	0.02	0.005	0.07	0.07	0.008	0.07	--	0.1	0.004	0.003	0.0006	0.008	0.009	0.001	0.008	--	0.01	0.0005	0.04	0.5	0.07	0.08	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
231Lower	Other -Not Specified	0.05	0.005	0.07	0.08	0.01	0.09	--	0.2	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001	0.06	0.5	0.08	0.08	0.04	0.9	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
238G	Garden	0.02	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.008	0.0005	0.009	--	0.01	0.0005	0.03	0.5	0.07	0.07	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.009	0.01	0.5	0.2	0.3	0.1
238M	Other -Not Specified	0.02	0.005	0.07	0.07	0.003	0.07	--	0.09	0.003	0.002	0.0006	0.008	0.009	0.0004	0.008	--	0.01	0.0004	0.03	0.5	0.07	0.08	0.04	0.9	0.4	0.8	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
280yard	House	0.05	0.006	0.1	0.09	0.03	0.2	--	0.2	0.02	0.006	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.003	0.07	0.5	0.1	0.09	0.06	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
284M	House	0.03	0.005	0.08	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.001	0.04	0.5	0.09	0.08	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
285M	Other -Not Specified	0.04	0.005	0.09	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.01	0.009	0.002	0.01	--	0.02	0.001	0.05	0.5	0.09	0.08	0.05	0.9	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
288G1	Garden	0.03	0.006	0.08	0.08	0.008	0.08	--	0.1	0.006	0.003	0.0007	0.009	0.009	0.0009	0.009	--	0.01	0.0007	0.04	0.5	0.08	0.08	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
288G2	Garden	0.02	0.007	0.08	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0008	0.009	0.01	0.0008	0.009	--	0.01	0.0005	0.03	0.5	0.08	0.09	0.04	0.9	0.4	0.9	0.1	0.006	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
289G3	Garden	0.02	0.005	0.07	0.07	0.007	0.07	--	0.1	0.006	0.003	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0007	0.03	0.5	0.07	0.07	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.01	0.009	0.01	0.5	0.2	0.3	0.1
317M	Play Area	0.1	0.006	0.1	0.1	0.04	0.1	--	0.4	0.05	0.02	0.0008	0.01	0.01	0.005	0.01	--	0.04	0.005	0.2	0.5	0.1	0.1	0.07	0.9	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
319M[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.5	0.1	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
320new	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.03	0.01	0.0008	0.01	0.01	0.004	0.01	--	0.03	0.003	0.1	0.5	0.1	0.1	0.07	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
35PA[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.5	0.1	0.08	0.04	0.9	0.4	0.8	0.1	0.007	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
59A	House	0.09	0.004	0.05	0.06	0.04	0.1	--	0.2	0.03	0.01	0.0004	0.006	0.007	0.004	0.01	--	0.02	0.003	0.1	0.5	0.06	0.06	0.07	0.9	0.4	1	0.2	0.01	0.2	0.008	0.008	0.02	0.5	0.2	0.3	0.1
62G	Garden	0.04	0.006	0.09	0.1	0.007	0.1	--	0.1	0.006	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.05	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
72M	Agriculture	0.07	0.008	0.09	0.09	0.03	0.1	--	0.2	0.02	0.008	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002	0.08	0.5	0.1	0.09	0.06	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
72U	Other -Not Specified	0.05	0.01	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.5	0.1	0.1	0.05	1	0.4	0.9	0.1	0.01	0.2	0.02	0.02	0.02	0.5	0.2	0.3	0.1
94M	Agriculture	0.03	0.006	0.1	0.1	0.008	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.01	0.0009	0.01	--	0.02	0.0007	0.04	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
999G1	Garden	0.04	0.008	0.09	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.0009	0.05	0.5	0.09	0.09	0.04	0.9	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
999M1	House	0.03	0.007	0.1	0.1	0.008	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.01	0.0009	0.02	--	0.01	0.0008	0.04	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
999M2	Garden	0.03	0.009	0.1	0.1	0.005	0.1	--	0.1	0.004	0.003	0.001	0.02	0.01	0.0006	0.02	--	0.01	0.0005	0.04	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.007	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
999M3	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.06	0.5	0.2	0.2	0.05	1	0.4	1	0.2	0.01	0.2	0.03	0.02	0.01	0.5	0.2	0.3	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-29. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
Indoor Air		--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																		
Outdoor Air		--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02		**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exeed benchmark[c] when risk is summed across pathways:**								
Fish (Sturgeon)		ND	0.3	NA	NA	0.06	0.3	0.2	0.2	--	ND	0.1	NA	NA	0.02	0.1	0.06	0.06	--																		
Residential Soil/Dust[a]		**Number of DUs that exceed benchmark[c] for Soil/Dust:**									**Number of DUs that exceed benchmark[c] for Soil/Dust:**																												
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
9	Agriculture	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009		0.04	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.1	0.005	0.1	0.009	0.009	0.03	0.4	0.06	0.08	0.1
13	Other -Not Specified	0.05	0.005	0.09	0.09	0.01	0.2	--	0.1	0.008	0.006	0.0006	0.01	0.01	0.001	0.02	--	0.02	0.0009		0.05	0.3	0.09	0.09	0.07	0.8	0.2	0.3	0.1	0.006	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
14	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.008	0.005	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0009		0.04	0.3	0.09	0.09	0.07	0.8	0.2	0.3	0.1	0.005	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
15	House	0.04	0.005	0.08	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0006	0.009	0.009	0.001	0.01	--	0.02	0.001		0.04	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.009	0.009	0.02	0.4	0.06	0.08	0.1
16	Other -Not Specified	0.08	0.005	0.1	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004		0.08	0.3	0.1	0.09	0.09	0.8	0.2	0.4	0.2	0.009	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
17	Other -Not Specified	0.04	0.007	0.09	0.09	0.02	0.1	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002		0.04	0.3	0.09	0.09	0.08	0.8	0.2	0.3	0.2	0.005	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
18[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
20[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
21	House	0.03	0.006	0.08	0.08	0.01	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.009	0.001	0.01	--	0.01	0.0008		0.03	0.3	0.08	0.08	0.08	0.7	0.2	0.3	0.1	0.004	0.1	0.01	0.009	0.03	0.4	0.06	0.08	0.1
22	House	0.07	0.005	0.08	0.08	0.01	0.1	--	0.2	0.01	0.008	0.0005	0.009	0.009	0.002	0.01	--	0.02	0.001		0.07	0.3	0.08	0.08	0.08	0.7	0.2	0.3	0.1	0.008	0.1	0.009	0.009	0.03	0.4	0.06	0.08	0.1
25	House	0.03	0.005	0.09	0.09	0.007	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.0009	0.01	--	0.01	0.0005		0.03	0.3	0.09	0.09	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
27	Other -Not Specified	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.04	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.2	0.005	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
28	Garden	0.02	0.006	0.08	0.08	0.004	0.1	--	0.08	0.003	0.002	0.0006	0.01	0.009	0.0005	0.01	--	0.01	0.0003		0.02	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
29	Other -Not Specified	0.02	0.005	0.08	0.08	0.007	0.09	--	0.09	0.004	0.003	0.0006	0.009	0.009	0.0008	0.01	--	0.01	0.0004		0.02	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.009	0.009	0.02	0.4	0.06	0.07	0.1
30	Other -Not Specified	0.04	0.007	0.1	0.09	0.007	0.1	--	0.1	0.004	0.005	0.0008	0.01	0.01	0.0008	0.02	--	0.01	0.0005		0.04	0.3	0.1	0.09	0.07	0.7	0.2	0.3	0.1	0.005	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
31	Other -Not Specified	0.06	0.006	0.1	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002		0.06	0.3	0.1	0.1	0.08	0.8	0.2	0.4	0.2	0.007	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
33	House	0.05	0.005	0.07	0.07	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.009	0.003	0.02	--	0.02	0.002		0.05	0.3	0.07	0.07	0.09	0.7	0.2	0.4	0.2	0.006	0.1	0.009	0.009	0.03	0.4	0.06	0.08	0.1
35[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
39[b]	Agriculture	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
40[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
42	House	0.02	0.004	0.05	0.07	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.001		0.02	0.3	0.05	0.07	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.006	0.008	0.03	0.4	0.06	0.08	0.1
44	Agriculture	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008		0.03	0.3	0.06	0.07	0.08	0.7	0.2	0.3	0.1	0.003	0.1	0.007	0.008	0.03	0.4	0.06	0.08	0.1
46	Other -Not Specified	0.04	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.002		0.04	0.3	0.06	0.07	0.08	0.7	0.2	0.3	0.2	0.004	0.1	0.007	0.008	0.03	0.4	0.06	0.08	0.1
47	Agriculture	0.03	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0005	0.008	0.01	0.003	0.01	--	0.02	0.002		0.03	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.2	0.004	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
49[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
55	House	0.02	0.006	0.08	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0007	0.009	0.01	0.0007	0.01	--	0.01	0.0007		0.02	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
56	Other -Not Specified	0.04	0.006	0.1	0.1	0.02	0.1	--	0.2	0.02	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002		0.04	0.3	0.1	0.1	0.08	0.7	0.2	0.3	0.2	0.004	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
58	Agriculture	0.02	0.006	0.08	0.08	0.009	0.1	--	0.1	0.006	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0007		0.02	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
59	House	0.04	0.003	0.04	0.05	0.03	0.09	--	0.1	0.02	0.005	0.0003	0.005	0.006	0.003	0.01	--	0.02	0.002		0.04	0.3	0.04	0.05	0.09	0.7	0.2	0.3	0.2	0.005	0.1	0.005	0.006	0.03	0.4	0.06	0.08	0.1
60	Garden	0.03	0.005	0.06	0.07	0.008	0.1	--	0.1	0.005	0.003	0.0006	0.007	0.008	0.0009	0.01	--	0.01	0.0006		0.03	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.007	0.008	0.02	0.4	0.06	0.08	0.1
61	House	0.04	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.005	0.0004	0.006	0.008	0.002	0.01	--	0.02	0.001		0.04	0.3	0.05	0.07	0.08	0.7	0.2	0.3	0.2	0.005	0.1	0.006	0.008	0.03	0.4	0.06	0.08	0.1
62	House	0.04	0.006	0.09	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.04	0.3	0.09	0.1	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
66	Other -Not Specified	0.05	0.005	0.07	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.001		0.05	0.3	0.07	0.08	0.09	0.7	0.2	0.3	0.2	0.006	0.1	0.008	0.009	0.03	0.4	0.06	0.08	0.1
67	Garden	0.05	0.005	0.08	0.08	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002		0.05	0.3	0.08	0.08	0.09	0.7	0.2	0.3	0.2	0.006	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
70	House	0.06	0.008	0.09	0.09	0.02	0.1	--	0.2	0.02	0.007	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.002		0.06	0.3	0.09	0.09	0.09	0.7	0.2	0.3	0.2	0.007	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
71	Garden	0.06	0.009	0.1	0.09	0.02	0.1	--	0.1	0.01	0.007	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001		0.06	0.3	0.1	0.09	0.08	0.7	0.2	0.3	0.1	0.007	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
72	Garden	0.06	0.01	0.1	0.1	0.02	0.1	--	0.2	0.02	0.007	0.001	0.02	0.01	0.003	0.01	--	0.02	0.003		0.06	0.3	0.1	0.1	0.09	0.7	0.2	0.4	0.2	0.007	0.1	0.02	0.01	0.03	0.4	0.06	0.09	0.1
75	House	0.06	0.005	0.08	0.08	0.06	0.2	--	0.2	0.04	0.007	0.0005	0.01	0.01	0.007	0.02	--	0.03	0.004		0.06	0.3	0.08	0.08	0.1	0.8	0.2	0.4	0.2	0.007	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
82	House	0.03	0.006	0.1	0.1	0.007	0.1	--	0.1	0.005	0.004	0.0007	0.01	0.01	0.0008	0.02	--	0.01	0.0006		0.03	0.3	0.1	0.1	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
85	House	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.004	0.002	0.0006	0.008	0.008	0.0005	0.008	--	0.01	0.0005		0.02	0.3	0.07	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.008	0.02	0.4	0.06	0.07	0.1
86	Agriculture	0.03	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001		0.03	0.3	0.09	0.09	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
87	Agriculture	0.02	0.005	0.07	0.07	0.009	0.08	--	0.1	0.008	0.003	0.0005	0.008	0.008	0.001	0.009	--	0.01	0.001		0.02	0.3	0.07	0.07	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.008	0.008	0.02	0.4	0.06	0.08	0.1
106	House	0.1	0.005	0.06	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0005	0.007	0.009	0.004	0.02	--	0.03	0.002		0.1	0.3	0.06	0.07	0.1	0.8	0.2	0.4	0.2	0.01	0.1	0.007	0.009	0.03	0.4	0.06	0.09	0.1
107	Garden	0.07	0.006	0.08	0.09	0.03	0.2	--	0.2	0.01	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.02	0.002		0.07	0.3	0.08	0.09	0.09	0.8	0.2	0.3	0.2	0.008	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
108	Garden	0.09	0.008	0.07	0.08	0.02	0.1	--	0.2	0.01	0.01	0.0009	0.009	0.01	0.002	0.02	--	0.02	0.002		0.09	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.2	0.01	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
109[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
110	House	0.03	0.004	0.05	0.06	0.008	0.1	--	0.1	0.007	0.004	0.0005	0.006	0.007	0.001	0.01	--	0.01	0.0008		0.03	0.3	0.05	0.06	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.006	0.007	0.02	0.4	0.06	0.08	0.1
111	Other -Not Specified	0.03	0.004	0.06	0.06	0.008	0.1	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.001	0.01	--	0.01	0.0007		0.03	0.3	0.06	0.06	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.007	0.007	0.02	0.4	0.06	0.08	0.1
112	House	0.1	0.005	0.08	0.07	0.04	0.2	--	0.3	0.04	0.02	0.0006	0.009	0.009	0.005	0.02	--	0.03	0.004		0.1	0.3	0.08	0.07	0.1	0.8	0.2	0.4	0.2	0.02	0.1	0.009	0.009	0.03	0.4	0.06	0.1	0.1
121	House	0.04	0.008	0.2	0.1	0.01	0.2	--	0.2	0.02	0.005	0.001	0.02	0.01	0.001	0.03	--	0.02	0.002		0.04	0.3	0.2	0.1	0.08	0.8	0.2	0.4	0.2	0.005	0.1	0.02	0.01	0.03	0.4	0.06	0.09	0.1
122	Other -Not Specified	0.06	0.008	0.1	0.1	0.009	0.2	--	0.2	0.007	0.007	0.001	0.02	0.01	0.001	0.02	--	0.02	0.0008		0.06	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.007	0.1	0.02	0.01	0.02	0.4	0.06	0.08	0.1
123	House	0.06	0.005	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.0006	0.01	0.009	0.004	0.02	--	0.03	0.003		0.06	0.3	0.08	0.08	0.1	0.7	0.2	0.4	0.2	0.008	0.1	0.01	0.009	0.03	0.4	0.06	0.09	0.1
135	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.001		0.03	0.3	0.06	0.06	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.007	0.007	0.02	0.4	0.06	0.08	0.1
146	House	0.04	0.005	0.08	0.09	0.006	0.1	--	0.1	0.008	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.02	0.0009		0.04	0.3	0.08	0.09	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
147	Garden	0.02	0.005	0.06	0.07	0.005	0.09	--	0.09	0.004	0.003	0.0006	0.007	0.008	0.0005	0.01	--	0.01	0.0004		0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.007	0.008	0.02	0.4	0.06	0.07	0.1
151[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.02	0.3	0.1	0.08	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
152	Other -Not Specified	0.04	0.007	0.1	0.09	0.01	0.1	--	0.2	0.02	0.005	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002		0.04	0.3	0.1	0.09	0.08	0.7	0.2	0.3	0.2	0.005	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
154	House	0.02	0.003	0.04	0.05	0.005	0.06	--	0.06	0.005	0.002	0.0004	0.005	0.006	0.0006	0.007	--	0.007	0.0006		0.02	0.3	0.04	0.05	0.07	0.7	0.2	0.2	0.1	0.002	0.1	0.005	0.006	0.02	0.4	0.06	0.07	0.1
160	House	0.05	0.006	0.08	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.009	0.001	0.02	--	0.02	0.001		0.05	0.3	0.08	0.07	0.08	0.7	0.2	0.3	0.2	0.006	0.1	0.01	0.009	0.03	0.4	0.06	0.08	0.1
163	House	0.06	0.005	0.07	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001		0.06	0.3	0.07	0.07	0.07	0.7	0.2	0.3	0.2	0.006	0.1	0.008	0.009	0.03	0.4	0.06	0.08	0.1

Table 5-29. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																	**Total HI Across Pathways**																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	**By Target Organ System**																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																			
164	Agriculture	0.05	0.006	0.09	0.09	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.05	0.3	0.09	0.09	0.07	0.8	0.2	0.3	0.1	0.006	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
167	Agriculture	0.03	0.004	0.06	0.06	0.005	0.08	--	0.1	0.006	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0007	0.03	0.3	0.06	0.06	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.007	0.008	0.02	0.4	0.06	0.07	0.1
168	House	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.07	0.3	0.1	0.09	0.09	0.8	0.2	0.4	0.2	0.008	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
169	Other -Not Specified	0.06	0.006	0.08	0.08	0.03	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.009	0.004	0.02	--	0.02	0.002	0.06	0.3	0.08	0.08	0.1	0.8	0.2	0.4	0.2	0.007	0.1	0.01	0.009	0.03	0.4	0.06	0.09	0.1
170[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
175	Other -Not Specified	0.05	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.05	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.006	0.1	0.007	0.008	0.02	0.4	0.06	0.08	0.1
177	Agriculture	0.07	0.004	0.05	0.06	0.01	0.1	--	0.2	0.01	0.008	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002	0.07	0.3	0.05	0.06	0.08	0.7	0.2	0.3	0.2	0.008	0.1	0.006	0.007	0.03	0.4	0.06	0.08	0.1
185	House	0.07	0.007	0.1	0.1	0.02	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002	0.07	0.3	0.1	0.1	0.08	0.7	0.2	0.4	0.2	0.008	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
186	House	0.05	0.005	0.08	0.07	0.02	0.09	--	0.2	0.02	0.006	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.002	0.05	0.3	0.08	0.07	0.08	0.7	0.2	0.3	0.2	0.006	0.1	0.009	0.008	0.03	0.4	0.06	0.08	0.1
189	House	0.07	0.007	0.09	0.09	0.01	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.3	0.09	0.09	0.08	0.7	0.2	0.4	0.2	0.008	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
192	House	0.05	0.009	0.1	0.1	0.02	0.1	--	0.2	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002	0.05	0.3	0.1	0.1	0.08	0.7	0.2	0.4	0.2	0.006	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
193	House	0.05	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.005	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.001	0.05	0.3	0.07	0.08	0.09	0.7	0.2	0.3	0.1	0.005	0.1	0.008	0.009	0.03	0.4	0.06	0.08	0.1
194[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.02	0.3	0.1	0.08	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
196[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.02	0.3	0.1	0.08	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
201	House	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009	0.04	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.1	0.005	0.1	0.009	0.009	0.03	0.4	0.06	0.08	0.1
203[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.02	0.3	0.1	0.08	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
206	House	0.04	0.005	0.08	0.07	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.001	0.04	0.3	0.08	0.07	0.08	0.7	0.2	0.3	0.1	0.005	0.1	0.009	0.008	0.03	0.4	0.06	0.08	0.1
208	Other -Not Specified	0.05	0.006	0.1	0.09	0.04	0.1	--	0.2	0.01	0.006	0.0007	0.01	0.01	0.005	0.02	--	0.02	0.002	0.05	0.3	0.1	0.09	0.1	0.7	0.2	0.3	0.2	0.006	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
213	Other -Not Specified	0.09	0.005	0.07	0.07	0.04	0.1	--	0.2	0.03	0.01	0.0006	0.008	0.009	0.004	0.02	--	0.03	0.003	0.09	0.3	0.07	0.07	0.1	0.7	0.2	0.4	0.2	0.01	0.1	0.008	0.009	0.03	0.4	0.06	0.09	0.1
216	House	0.07	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	0.0004	0.008	0.009	0.004	0.02	--	0.02	0.002	0.07	0.3	0.07	0.07	0.1	0.7	0.2	0.4	0.2	0.008	0.1	0.008	0.009	0.03	0.4	0.06	0.09	0.1
218[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.02	0.3	0.1	0.08	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
229	Play Area	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.003	0.002	0.0005	0.008	0.008	0.0005	0.008	--	0.01	0.0003	0.02	0.3	0.07	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.008	0.02	0.4	0.06	0.07	0.1
231	House	0.06	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.001	0.06	0.3	0.06	0.07	0.08	0.7	0.2	0.3	0.1	0.007	0.1	0.007	0.008	0.03	0.4	0.06	0.08	0.1
246	Play Area	0.01	0.005	0.06	0.06	0.004	0.06	--	0.07	0.003	0.002	0.0005	0.007	0.007	0.0004	0.006	--	0.008	0.0004	0.01	0.3	0.06	0.06	0.07	0.7	0.2	0.2	0.1	0.002	0.1	0.007	0.007	0.02	0.4	0.06	0.07	0.1
249	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.09	--	0.1	0.006	0.004	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.0007	0.03	0.3	0.06	0.06	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.006	0.007	0.02	0.4	0.06	0.08	0.1
250	House	0.05	0.004	0.06	0.06	0.01	0.1	--	0.1	0.008	0.005	0.0004	0.007	0.007	0.002	0.01	--	0.01	0.0009	0.05	0.3	0.06	0.06	0.08	0.7	0.2	0.3	0.1	0.005	0.1	0.007	0.007	0.03	0.4	0.06	0.08	0.1
253	House	0.03	0.004	0.06	0.07	0.008	0.07	--	0.1	0.009	0.003	0.0005	0.007	0.008	0.001	0.008	--	0.01	0.001	0.03	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.007	0.008	0.02	0.4	0.06	0.08	0.1
280	Other -Not Specified	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.003	0.07	0.3	0.1	0.09	0.09	0.8	0.2	0.4	0.2	0.008	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
287	Agriculture	0.03	0.004	0.08	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0005	0.009	0.009	0.003	0.02	--	0.02	0.002	0.03	0.3	0.08	0.08	0.09	0.8	0.2	0.3	0.2	0.004	0.1	0.009	0.009	0.03	0.4	0.06	0.08	0.1
288	House	0.02	0.005	0.07	0.07	0.006	0.07	--	0.09	0.006	0.002	0.0006	0.008	0.008	0.0007	0.008	--	0.01	0.0007	0.02	0.3	0.07	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.008	0.02	0.4	0.06	0.07	0.1
291	Agriculture	0.02	0.004	0.05	0.06	0.007	0.06	--	0.1	0.006	0.002	0.0005	0.006	0.007	0.0009	0.007	--	0.01	0.0007	0.02	0.3	0.05	0.06	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.006	0.007	0.02	0.4	0.06	0.07	0.1
306	Other -Not Specified	0.03	0.004	0.06	0.06	0.007	0.07	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.0009	0.008	--	0.01	0.0007	0.03	0.3	0.06	0.06	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.007	0.007	0.02	0.4	0.06	0.08	0.1
315	House	0.02	0.007	0.08	0.08	0.004	0.09	--	0.1	0.003	0.003	0.0008	0.01	0.01	0.0005	0.01	--	0.01	0.0003	0.02	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
316	Other -Not Specified	0.03	0.006	0.09	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.002	0.02	--	0.01	0.001	0.03	0.3	0.09	0.08	0.08	0.7	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
317	House	0.08	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.009	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.002	0.08	0.3	0.1	0.1	0.08	0.7	0.2	0.4	0.2	0.009	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
318	Other -Not Specified	0.1	0.006	0.1	0.09	0.03	0.1	--	0.3	0.04	0.01	0.0007	0.01	0.01	0.004	0.01	--	0.03	0.005	0.1	0.3	0.1	0.09	0.1	0.7	0.2	0.5	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.1	0.1
319	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.05	0.01	0.0008	0.01	0.01	0.005	0.02	--	0.04	0.006	0.09	0.3	0.1	0.1	0.1	0.7	0.2	0.5	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.1	0.1
325	Garden	0.03	0.005	0.07	0.07	0.005	0.08	--	0.09	0.003	0.003	0.0006	0.008	0.008	0.0006	0.01	--	0.01	0.0004	0.03	0.3	0.07	0.07	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.008	0.008	0.02	0.4	0.06	0.07	0.1
326	Other -Not Specified	0.02	0.005	0.06	0.07	0.006	0.06	--	0.1	0.005	0.002	0.0005	0.007	0.008	0.0007	0.007	--	0.01	0.0006	0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.008	0.02	0.4	0.06	0.08	0.1
327	Other -Not Specified	0.02	0.004	0.05	0.06	0.005	0.05	--	0.09	0.004	0.002	0.0005	0.006	0.008	0.0005	0.006	--	0.01	0.0004	0.02	0.3	0.05	0.06	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.006	0.008	0.02	0.4	0.06	0.07	0.1
345	Play Area	0.03	0.006	0.1	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001	0.03	0.3	0.1	0.1	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
346	Garden	0.05	0.007	0.1	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.3	0.1	0.08	0.08	0.7	0.2	0.3	0.2	0.006	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
347	Other -Not Specified	0.05	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.006	0.0005	0.009	0.008	0.003	0.01	--	0.02	0.003	0.05	0.3	0.07	0.07	0.09	0.7	0.2	0.4	0.2	0.006	0.1	0.009	0.008	0.03	0.4	0.06	0.09	0.1
801	Other -Not Specified	0.06	0.003	0.05	0.09	0.03	0.05	--	0.2	0.02	0.007	0.0004	0.005	0.01	0.003	0.006	--	0.02	0.002	0.06	0.3	0.05	0.09	0.09	0.7	0.2	0.4	0.2	0.007	0.1	0.005	0.01	0.03	0.4	0.06	0.09	0.1
1001	Other -Not Specified	0.08	0.004	0.05	0.1	0.04	0.05	--	0.2	0.03	0.009	0.0004	0.006	0.01	0.004	0.006	--	0.03	0.003	0.08	0.3	0.05	0.1	0.1	0.7	0.2	0.4	0.2	0.009	0.1	0.006	0.01	0.03	0.4	0.06	0.09	0.1
1005	Garden	0.04	0.006	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0008	0.009	0.01	0.002	0.01	--	0.02	0.001	0.04	0.3	0.08	0.09	0.08	0.7	0.2	0.3	0.1	0.005	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
1006	House	0.03	0.008	0.08	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.0009	0.03	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
1007	Garden	0.02	0.009	0.08	0.08	0.007	0.1	--	0.1	0.005	0.003	0.001	0.009	0.01	0.0008	0.01	--	0.01	0.0006	0.02	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
1008	Agriculture	0.02	0.009	0.06	0.07	0.01	0.08	--	0.1	0.01	0.003	0.001	0.007	0.008	0.001	0.01	--	0.01	0.001	0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.007	0.008	0.02	0.4	0.06	0.08	0.1
1010	Agriculture	0.03	0.008	0.06	0.07	0.02	0.09	--	0.1	0.01	0.004	0.0009	0.007	0.008	0.002	0.01	--	0.01	0.001	0.03	0.3	0.06	0.07	0.08	0.7	0.2	0.3	0.1	0.004	0.1	0.007	0.008	0.03	0.4	0.06	0.08	0.1
1011	Agriculture	0.04	0.005	0.04	0.05	0.02	0.06	--	0.1	0.01	0.005	0.0005	0.005	0.005	0.002	0.007	--	0.01	0.002	0.04	0.3	0.04	0.05	0.08	0.7	0.2	0.3	0.2	0.005	0.1	0.005	0.005	0.03	0.4	0.06	0.08	0.1
1015	Garden	0.02	0.005	0.08	0.09	0.006	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0005	0.02	0.3	0.08	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.01	0.02	0.4	0.06	0.07	0.1
1017	Garden	0.03	0.003	0.05	0.07	0.01	0.09	--	0.1	0.008	0.003	0.0004	0.006	0.008	0.001	0.01	--	0.01	0.001	0.03	0.3	0.05	0.07	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.006	0.008	0.03	0.4	0.06	0.08	0.1
1018	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.08	0.004	0.002	0.0004	0.007	0.009	0.0008	0.01	--	0.01	0.0005	0.02	0.3	0.06	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
1020	Garden	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.001	0.03	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.1	0.004	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
1021[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.02	0.3	0.1	0.08	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
1030[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
1035	Garden	0.05	0.009	0.1	0.09	0.01	0.2	--	0.2	0.01	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.3	0.1	0.09	0.08	0.8	0.2	0.3	0.1	0.006	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
1036	Play Area	0.03	0.006	0.09	0.09	0.009	0.1	--	0.1	0.007	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.0008	0.03	0.3	0.09	0.09	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
1037	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.04	0.3	0.09	0.09	0.08	0.8	0.2	0.3	0.1	0.005	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
1060	House	0.03	0.005	0.07	0.07	0.01	0.09	--	0.1	0.01	0.003	0.0005	0.008	0.008	0.001	0.01	--	0.01	0.001	0.03	0.3	0.07	0.07	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.008	0.008	0.02	0.4	0.06	0.08	0.1
3000	House	0.01	0.005	0.06	0.07	0.003	0.06	--	0.08	0.002	0.002	0.0005	0.007	0.009	0.0004	0.007	--	0.009	0.0003	0.01	0.3	0.06	0.07	0.07	0.7	0.2	0.2	0.1	0.002	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
3001	Garden	0.08	0.01	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.001	0.02	0.02	0.004	0.02	--	0.03	0.002	0.08	0.3	0.1	0.1	0.09	0.7	0.2	0.4	0.2	0.01	0.1	0.02	0.02	0.03	0.4	0.06	0.1	0.1
3003	Other -Not Specified	0.1	0.007	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.0009	0.01	0.01	0.003	0.01	--	0.03	0.003	0.1	0.3	0.1	0.1	0.09	0.7	0.2	0.4	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
3004	House	0.03	0.005	0.07	0.07	0.01	0.1	--	0.1	0.006	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0007	0.03	0.3	0.07	0.07	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.008	0.009	0.02	0.4	0.06	0.08	0.1
075-A1	Agriculture	0.02	0.006	0.08	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0007	0.009	0.01	0.001	0.01	--	0.01	0.001	0.02	0.3	0.08	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1

Table 5-29. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	
		Child									Adult										Child									Adult								
DU	DU Type																																					
075-H1	House	0.03	0.005	0.07	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.002	0.02	--	0.02	0.002		0.03	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.008	0.009	0.03	0.4	0.06	0.08	0.1
075-O1	Other -Not Specified	0.03	0.005	0.06	0.2	0.02	0.08	--	0.2	0.02	0.004	0.0006	0.008	0.02	0.003	0.01	--	0.02	0.003		0.03	0.3	0.06	0.2	0.09	0.7	0.2	0.3	0.2	0.004	0.1	0.008	0.02	0.03	0.4	0.06	0.08	0.1
076-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.03	0.3	0.09	0.1	0.08	0.8	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
076-G2	Garden	0.05	0.007	0.09	0.1	0.02	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.05	0.3	0.09	0.1	0.08	0.8	0.2	0.3	0.2	0.005	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
076-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.001	0.03	--	0.02	0.002		0.03	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.2	0.004	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
076-H2	House	0.04	0.006	0.09	0.09	0.01	0.2	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.04	0.3	0.09	0.09	0.07	0.8	0.2	0.3	0.1	0.005	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
076-N1	Animal Activity Area	0.04	0.007	0.1	0.1	0.03	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.001		0.04	0.3	0.1	0.1	0.09	0.8	0.2	0.3	0.2	0.005	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
077-A1	Agriculture	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.006	0.008	0.0004	0.009	--	0.008	0.0003		0.01	0.3	0.05	0.07	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.006	0.008	0.02	0.4	0.06	0.07	0.1
077-A2	Agriculture	0.009	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.009	--	0.008	0.0004		0.009	0.3	0.05	0.07	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.006	0.008	0.02	0.4	0.06	0.07	0.1
077-G1	Garden	0.01	0.004	0.06	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003		0.01	0.3	0.06	0.07	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
077-H1	House	0.01	0.004	0.05	0.06	0.004	0.07	--	0.07	0.003	0.001	0.0004	0.006	0.007	0.0004	0.008	--	0.008	0.0004		0.01	0.3	0.05	0.06	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.006	0.007	0.02	0.4	0.06	0.07	0.1
077-H2	House	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0005	0.009	--	0.008	0.0004		0.01	0.3	0.05	0.07	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.006	0.008	0.02	0.4	0.06	0.07	0.1
077-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.008	0.0005	0.009	--	0.009	0.0004		0.01	0.3	0.06	0.07	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.008	0.02	0.4	0.06	0.07	0.1
078-G1	Garden	0.01	0.004	0.05	0.07	0.003	0.09	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0004	0.01	--	0.008	0.0005		0.01	0.3	0.05	0.07	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.006	0.008	0.02	0.4	0.06	0.07	0.1
078-H1	House	0.007	0.003	0.04	0.06	0.002	0.06	--	0.06	0.003	0.0009	0.0004	0.005	0.007	0.0002	0.007	--	0.006	0.0003		0.007	0.3	0.04	0.06	0.07	0.7	0.2	0.2	0.1	0.0009	0.1	0.005	0.007	0.02	0.4	0.06	0.07	0.1
078-N1	Animal Activity Area	0.01	0.004	0.05	0.06	0.003	0.07	--	0.06	0.003	0.001	0.0005	0.006	0.007	0.0003	0.008	--	0.007	0.0003		0.01	0.3	0.05	0.06	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.006	0.007	0.02	0.4	0.06	0.07	0.1
078-O1	Other -Not Specified	0.009	0.004	0.06	0.07	0.002	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0003	0.01	--	0.008	0.0004		0.009	0.3	0.06	0.07	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
079-H1	House	0.03	0.005	0.06	0.09	0.009	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.001		0.03	0.3	0.06	0.09	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.008	0.01	0.02	0.4	0.06	0.08	0.1
079-H2	House	0.04	0.007	0.07	0.08	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.008	0.009	0.002	0.02	--	0.02	0.001		0.04	0.3	0.07	0.08	0.08	0.8	0.2	0.3	0.2	0.005	0.1	0.008	0.009	0.03	0.4	0.06	0.08	0.1
080-H1	House	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.004	0.004	0.001	0.02	0.01	0.0005	0.02	--	0.02	0.0004		0.03	0.3	0.1	0.1	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.02	0.01	0.02	0.4	0.06	0.08	0.1
081-A1	Agriculture	0.02	0.005	0.08	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0006		0.02	0.3	0.08	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.01	0.01	0.02	0.4	0.06	0.07	0.1
081-H1	House	0.02	0.007	0.1	0.1	0.006	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.0007	0.01	--	0.01	0.001		0.02	0.3	0.1	0.1	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
081-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.02	0.003	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002		0.03	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.2	0.003	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
082-G1	Garden	0.01	0.004	0.06	0.07	0.003	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.008	0.0004	0.01	--	0.009	0.0003		0.01	0.3	0.06	0.07	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.008	0.02	0.4	0.06	0.07	0.1
082-G2	Garden	0.02	0.004	0.06	0.07	0.005	0.1	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006		0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.008	0.02	0.4	0.06	0.07	0.1
082-H1	House	0.01	0.004	0.05	0.07	0.004	0.09	--	0.08	0.004	0.001	0.0004	0.006	0.008	0.0004	0.01	--	0.009	0.0005		0.01	0.3	0.05	0.07	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.006	0.008	0.02	0.4	0.06	0.07	0.1
082-N1	Animal Activity Area	0.01	0.004	0.05	0.07	0.004	0.1	--	0.08	0.004	0.002	0.0005	0.006	0.008	0.0005	0.01	--	0.009	0.0005		0.01	0.3	0.05	0.07	0.07	0.7	0.2	0.2	0.1	0.002	0.1	0.006	0.008	0.02	0.4	0.06	0.07	0.1
082-N2	Animal Activity Area	0.02	0.004	0.06	0.07	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006		0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.008	0.02	0.4	0.06	0.07	0.1
083-G1	Garden	0.02	0.005	0.08	0.09	0.005	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0006		0.02	0.3	0.08	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
083-G2	Garden	0.02	0.005	0.07	0.08	0.005	0.1	--	0.09	0.004	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0005		0.02	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.07	0.1
083-H1	House	0.02	0.005	0.07	0.08	0.006	0.09	--	0.09	0.007	0.002	0.0006	0.009	0.009	0.0007	0.01	--	0.01	0.0008		0.02	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.009	0.02	0.4	0.06	0.07	0.1
084-H1	House	0.01	0.005	0.07	0.09	0.005	0.1	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0004		0.01	0.3	0.07	0.09	0.07	0.7	0.2	0.3	0.1	0.001	0.1	0.009	0.01	0.02	0.4	0.06	0.07	0.1
085-H1	House	0.02	0.004	0.06	0.07	0.008	0.1	--	0.09	0.007	0.002	0.0005	0.007	0.008	0.0009	0.01	--	0.01	0.0008		0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.008	0.02	0.4	0.06	0.07	0.1
085-O1	Other -Not Specified	0.03	0.006	0.1	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.009	0.002	0.02	--	0.01	0.001		0.03	0.3	0.1	0.08	0.08	0.7	0.2	0.3	0.1	0.003	0.1	0.01	0.009	0.03	0.4	0.06	0.08	0.1
085-P1	Play Area	0.05	0.008	0.09	0.09	0.02	0.2	--	0.2	0.02	0.006	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002		0.05	0.3	0.09	0.09	0.08	0.8	0.2	0.3	0.2	0.006	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
086-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.009	0.001	0.02	--	0.01	0.0009		0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.007	0.009	0.02	0.4	0.06	0.08	0.1
086-H1	House	0.02	0.003	0.06	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.01	0.001	0.02	--	0.01	0.0008		0.02	0.3	0.06	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.007	0.01	0.02	0.4	0.06	0.08	0.1
086-H2	House	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001		0.03	0.3	0.07	0.09	0.08	0.8	0.2	0.3	0.2	0.004	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
087-H1	House	0.02	0.003	0.06	0.07	0.008	0.1	--	0.09	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007		0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
087-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001		0.03	0.3	0.07	0.09	0.08	0.8	0.2	0.3	0.2	0.004	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
088-H1	House	0.06	0.005	0.08	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.003		0.06	0.3	0.08	0.1	0.09	0.8	0.2	0.4	0.2	0.007	0.1	0.009	0.01	0.03	0.4	0.06	0.09	0.1
088-H2	House	0.04	0.004	0.06	0.07	0.01	0.1	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.002	0.01	--	0.02	0.002		0.04	0.3	0.06	0.07	0.08	0.7	0.2	0.3	0.2	0.004	0.1	0.007	0.009	0.03	0.4	0.06	0.08	0.1
088-O1	Other -Not Specified	0.05	0.004	0.07	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002		0.05	0.3	0.07	0.1	0.08	0.8	0.2	0.3	0.2	0.005	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
089-A1	Agriculture	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.008	0.004	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.0009		0.03	0.3	0.08	0.1	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
089-H1	House	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.001		0.03	0.3	0.08	0.1	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
089-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0008		0.02	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.07	0.1
090-H1	House	0.01	0.005	0.06	0.08	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.007	0.009	0.001	0.01	--	0.01	0.0009		0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.009	0.02	0.4	0.06	0.08	0.1
090-O2	Other -Not Specified	0.01	0.007	0.09	0.1	0.01	0.2	--	0.1	0.007	0.002	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0008		0.01	0.3	0.09	0.1	0.07	0.8	0.2	0.3	0.1	0.002	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
091-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.1	--	0.1	0.009	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.001		0.03	0.3	0.09	0.1	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
091-H1	House	0.03	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0008		0.03	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.009	0.009	0.02	0.4	0.06	0.08	0.1
092-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.07	--	0.1	0.02	0.002	0.0005	0.006	0.007	0.002	0.009	--	0.02	0.002		0.02	0.3	0.05	0.06	0.08	0.7	0.2	0.3	0.2	0.002	0.1	0.006	0.007	0.03	0.4	0.06	0.08	0.1
092-O2	Other -Not Specified	0.02	0.004	0.05	0.06	0.01	0.08	--	0.1	0.01	0.003	0.0005	0.006	0.007	0.002	0.009	--	0.01	0.001		0.02	0.3	0.05	0.06	0.08	0.7	0.2	0.3	0.1	0.003	0.1	0.006	0.007	0.03	0.4	0.06	0.08	0.1
093-H1	House	0.03	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.003	0.0004	0.007	0.009	0.001	0.01	--	0.01	0.0007		0.03	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.007	0.009	0.02	0.4	0.06	0.08	0.1
094-H1	House	0.03	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.02	--	0.01	0.0009		0.03	0.3	0.06	0.08	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.007	0.009	0.02	0.4	0.06	0.08	0.1
094-P1	Play Area	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001		0.03	0.3	0.07	0.1	0.08	0.8	0.2	0.3	0.1	0.003	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
095-A1	Agriculture	0.04	0.004	0.06	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0004	0.007	0.01	0.003	0.02	--	0.02	0.002		0.04	0.3	0.06	0.1	0.09	0.8	0.2	0.3	0.2	0.005	0.1	0.007	0.01	0.03	0.4	0.06	0.08	0.1
095-H1	House	0.04	0.005	0.07	0.1	0.02	0.2	--	0.2	0.01	0.005	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002		0.04	0.3	0.07	0.1	0.08	0.8	0.2	0.3	0.2	0.005	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
095-O1	Other -Not Specified	0.04	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002		0.04	0.3	0.07	0.08	0.08	0.8	0.2	0.3	0.2	0.005	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
095-O2	Other -Not Specified	0.05	0.005	0.07	0.1	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.002		0.05	0.3	0.07	0.1	0.09	0.8	0.2	0.3	0.2	0.006	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
096-H1	House	0.04	0.006	0.08	0.09	0.02	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002		0.04	0.3	0.08	0.09	0.09	0.8	0.2	0.3	0.2	0.005	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
096-O1	Other -Not Specified	0.07	0.006	0.08	0.1	0.02	0.2	--	0.2	0.03	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003		0.07	0.3	0.08	0.1	0.09	0.8	0.2	0.4	0.2	0.008	0.1	0.009	0.01	0.03	0.4	0.06	0.09	0.1
097-H1	House	0.02	0.005	0.07	0.09	0.01	0.09	--	0.2	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001		0.02	0.3	0.07	0.09	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
097-H2	House	0.02	0.005	0.06	0.08	0.008	0.07	--	0.2	0.01	0.002	0.0006	0.008	0.01	0.0009	0.009	--	0.02	0.001		0.02	0.3	0.06	0.08	0.07	0.7	0.2	0.3	0.2	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.08	0.1
098-G1	Garden	0.01	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.01	--	0.009	0.0003		0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.3	0.1	0.001	0.1	0.007	0.01	0.02	0.4	0.06	0.07	0.1
098-H1	House	0.008	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.009	--	0.009	0.0004		0.008	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.01	0.02	0.4	0.06	0.07	0.1
098-O1	Other -Not Specified	0.008	0.004	0.06	0.09	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.007	0.01	0.0004	0.009	--	0.009	0.0003		0.008	0.3	0.06	0.09	0.07	0.7	0.2	0.2	0.1	0.0009	0.1	0.007	0.01	0.02	0.4	0.06	0.07	0.1
099-A1	Agriculture	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009		0.02	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1

Table 5-29. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
099-G2	Garden	0.02	0.004	0.05	0.07	0.009	0.1	--	0.09	0.007	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.05	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.006	0.008	0.02	0.4	0.06	0.07	0.1
099-H1	House	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.007	0.002	0.01	--	0.01	0.002	0.02	0.3	0.05	0.06	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.006	0.007	0.03	0.4	0.06	0.08	0.1
099-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002	0.02	0.3	0.05	0.06	0.08	0.7	0.2	0.3	0.2	0.002	0.1	0.006	0.007	0.03	0.4	0.06	0.08	0.1
100-G1	Garden	0.02	0.005	0.08	0.1	0.006	0.1	--	0.1	0.006	0.002	0.0006	0.01	0.01	0.0007	0.01	--	0.02	0.0007	0.02	0.3	0.08	0.1	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
100-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.02	0.003	0.0006	0.009	0.009	0.002	0.01	--	0.02	0.002	0.02	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.009	0.009	0.03	0.4	0.06	0.08	0.1
100-N1	Animal Activity Area	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.009	0.01	0.001	0.02	--	0.01	0.001	0.03	0.3	0.08	0.09	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
100-N2	Animal Activity Area	0.03	0.005	0.09	0.1	0.009	0.1	--	0.1	0.007	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0008	0.03	0.3	0.09	0.1	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
100-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.01	0.001	0.03	0.3	0.06	0.07	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.007	0.008	0.03	0.4	0.06	0.08	0.1
101-G1	Garden	0.02	0.007	0.1	0.09	0.008	0.1	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.0009	0.02	--	0.01	0.0006	0.02	0.3	0.1	0.09	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
101-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.002	0.02	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.2	0.002	0.1	0.008	0.009	0.03	0.4	0.06	0.08	0.1
101-O1	Other -Not Specified	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.3	0.08	0.09	0.08	0.8	0.2	0.3	0.2	0.004	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
102-G1	Garden	0.02	0.007	0.1	0.1	0.008	0.2	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0006	0.02	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
102-H1	House	0.02	0.008	0.09	0.09	0.004	0.1	--	0.08	0.003	0.002	0.0009	0.01	0.01	0.0004	0.01	--	0.01	0.0003	0.02	0.3	0.09	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.01	0.01	0.02	0.4	0.06	0.07	0.1
103-H1	House	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001	0.03	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.008	0.009	0.02	0.4	0.06	0.08	0.1
103-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.001	0.03	0.3	0.06	0.07	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.007	0.008	0.03	0.4	0.06	0.08	0.1
104-H1	House	0.07	0.005	0.07	0.09	0.01	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002	0.07	0.3	0.07	0.09	0.08	0.7	0.2	0.4	0.2	0.008	0.1	0.008	0.01	0.03	0.4	0.06	0.09	0.1
104-H2	House	0.06	0.004	0.06	0.08	0.01	0.1	--	0.2	0.01	0.007	0.0005	0.007	0.01	0.001	0.02	--	0.02	0.002	0.06	0.3	0.06	0.08	0.08	0.7	0.2	0.3	0.2	0.007	0.1	0.007	0.01	0.03	0.4	0.06	0.08	0.1
104-N1	Animal Activity Area	0.06	0.004	0.05	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.006	0.008	0.001	0.02	--	0.02	0.001	0.06	0.3	0.05	0.07	0.07	0.7	0.2	0.3	0.2	0.007	0.1	0.006	0.008	0.02	0.4	0.06	0.08	0.1
105-H1	House	0.03	0.003	0.04	0.05	0.01	0.08	--	0.1	0.008	0.004	0.0003	0.005	0.006	0.001	0.009	--	0.01	0.001	0.03	0.3	0.04	0.05	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.005	0.006	0.02	0.4	0.06	0.07	0.1
105-P1	Play Area	0.03	0.002	0.03	0.04	0.03	0.08	--	0.1	0.01	0.004	0.0002	0.003	0.005	0.003	0.009	--	0.01	0.001	0.03	0.3	0.03	0.04	0.09	0.7	0.2	0.3	0.1	0.004	0.1	0.003	0.005	0.03	0.4	0.06	0.08	0.1
106-G1	Garden	0.01	0.006	0.07	0.06	0.005	0.08	--	0.08	0.003	0.001	0.0007	0.009	0.008	0.0006	0.009	--	0.009	0.0004	0.01	0.3	0.07	0.06	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.009	0.008	0.02	0.4	0.06	0.07	0.1
106-G2	Garden	0.01	0.005	0.07	0.08	0.006	0.1	--	0.08	0.003	0.002	0.0005	0.008	0.009	0.0007	0.01	--	0.009	0.0004	0.01	0.3	0.07	0.08	0.07	0.7	0.2	0.2	0.1	0.002	0.1	0.008	0.009	0.02	0.4	0.06	0.07	0.1
106-H1	House	0.01	0.005	0.06	0.08	0.003	0.08	--	0.07	0.003	0.001	0.0006	0.008	0.009	0.0004	0.01	--	0.008	0.0003	0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.008	0.009	0.02	0.4	0.06	0.07	0.1
106-O1	Other -Not Specified	0.01	0.006	0.07	0.08	0.004	0.08	--	0.07	0.002	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.008	0.0003	0.01	0.3	0.07	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.009	0.01	0.02	0.4	0.06	0.07	0.1
107-H1	House	0.02	0.004	0.05	0.07	0.03	0.1	--	0.1	0.01	0.002	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.001	0.02	0.3	0.05	0.07	0.09	0.7	0.2	0.3	0.2	0.002	0.1	0.006	0.009	0.03	0.4	0.06	0.08	0.1
108-H1	House	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0009	0.02	0.3	0.07	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.08	0.1
108-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.002	0.03	0.3	0.07	0.09	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
108-O2	Other -Not Specified	0.02	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.07	0.1
109-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
110-A1	Agriculture	0.03	0.004	0.08	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.002	0.02	--	0.02	0.001	0.03	0.3	0.08	0.1	0.08	0.8	0.2	0.3	0.2	0.004	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
110G	Garden	0.03	0.004	0.06	0.06	0.005	0.1	--	0.1	0.004	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0004	0.03	0.3	0.06	0.06	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.007	0.008	0.02	0.4	0.06	0.07	0.1
110-G1	Garden	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0004	0.008	0.01	0.001	0.02	--	0.01	0.0009	0.02	0.3	0.07	0.09	0.08	0.7	0.2	0.3	0.1	0.003	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
110-G2	Garden	0.01	0.004	0.07	0.1	0.005	0.1	--	0.09	0.004	0.002	0.0004	0.008	0.01	0.0006	0.02	--	0.01	0.0005	0.01	0.3	0.07	0.1	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.07	0.1
110-H1	House	0.02	0.004	0.06	0.09	0.009	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.01	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.06	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.01	0.02	0.4	0.06	0.08	0.1
110-O1	Other -Not Specified	0.01	0.003	0.05	0.07	0.007	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.0008	0.01	--	0.01	0.0006	0.01	0.3	0.05	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.006	0.008	0.02	0.4	0.06	0.07	0.1
110-O2	Other -Not Specified	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.03	0.3	0.07	0.1	0.08	0.8	0.2	0.3	0.1	0.003	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
111-H1	House	0.02	0.004	0.06	0.07	0.004	0.08	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0005	0.01	--	0.01	0.0004	0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
112G	Garden	0.09	0.008	0.08	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0009	0.009	0.009	0.005	0.02	--	0.02	0.002	0.09	0.3	0.08	0.07	0.1	0.8	0.2	0.4	0.2	0.01	0.1	0.009	0.009	0.03	0.4	0.06	0.09	0.1
112-G1	Garden	0.05	0.01	0.09	0.09	0.02	0.1	--	0.1	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002	0.05	0.3	0.09	0.09	0.08	0.7	0.2	0.3	0.2	0.006	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
112-H1	House	0.04	0.01	0.08	0.08	0.02	0.09	--	0.1	0.02	0.005	0.001	0.009	0.01	0.002	0.01	--	0.01	0.002	0.04	0.3	0.08	0.08	0.08	0.7	0.2	0.3	0.2	0.005	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
112-O1	Other -Not Specified	0.07	0.009	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.001	0.009	0.01	0.004	0.01	--	0.02	0.004	0.07	0.3	0.08	0.08	0.1	0.7	0.2	0.4	0.2	0.008	0.1	0.009	0.01	0.03	0.4	0.06	0.09	0.1
113-G1	Garden	0.04	0.006	0.09	0.1	0.03	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.04	0.3	0.09	0.1	0.09	0.8	0.2	0.3	0.2	0.005	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
113-G2	Garden	0.05	0.007	0.1	0.1	0.03	0.2	--	0.2	0.02	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.05	0.3	0.1	0.1	0.09	0.8	0.2	0.3	0.2	0.006	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
113-G3	Garden	0.03	0.005	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.007	0.008	0.002	0.01	--	0.01	0.001	0.03	0.3	0.06	0.07	0.08	0.7	0.2	0.3	0.1	0.003	0.1	0.007	0.008	0.03	0.4	0.06	0.08	0.1
113low	Other -Not Specified	0.08	0.006	0.08	0.1	0.02	0.2	--	0.2	0.02	0.009	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003	0.08	0.3	0.08	0.1	0.09	0.8	0.2	0.4	0.2	0.009	0.1	0.009	0.01	0.03	0.4	0.06	0.09	0.1
113-O1	Other -Not Specified	0.03	0.005	0.08	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.01	0.002	0.03	0.3	0.08	0.09	0.08	0.7	0.2	0.3	0.2	0.004	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
113up	Other -Not Specified	0.1	0.005	0.08	0.08	0.03	0.2	--	0.3	0.03	0.01	0.0005	0.009	0.009	0.004	0.02	--	0.03	0.004	0.1	0.3	0.08	0.08	0.1	0.8	0.2	0.4	0.2	0.01	0.1	0.009	0.009	0.03	0.4	0.06	0.1	0.1
114-G1	Garden	0.03	0.005	0.05	0.1	0.02	0.07	--	0.1	0.03	0.004	0.0005	0.006	0.01	0.002	0.009	--	0.02	0.003	0.03	0.3	0.05	0.1	0.08	0.7	0.2	0.3	0.2	0.004	0.1	0.006	0.01	0.03	0.4	0.06	0.08	0.1
114-H1	House	0.04	0.005	0.06	0.2	0.02	0.08	--	0.2	0.03	0.004	0.0006	0.007	0.02	0.003	0.01	--	0.02	0.004	0.04	0.3	0.06	0.2	0.09	0.7	0.2	0.3	0.2	0.004	0.1	0.007	0.02	0.03	0.4	0.06	0.08	0.1
114-O1	Other -Not Specified	0.03	0.006	0.06	0.2	0.02	0.08	--	0.2	0.03	0.003	0.0006	0.008	0.02	0.002	0.009	--	0.02	0.003	0.03	0.3	0.06	0.2	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.008	0.02	0.03	0.4	0.06	0.08	0.1
115-O1	Other -Not Specified	0.1	0.008	0.1	0.1	0.03	0.1	--	0.3	0.02	0.02	0.0009	0.01	0.01	0.004	0.01	--	0.04	0.002	0.1	0.3	0.1	0.1	0.1	0.7	0.2	0.5	0.2	0.02	0.1	0.01	0.01	0.03	0.4	0.06	0.1	0.1
115SP	Other -Not Specified	0.09	0.005	0.08	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0006	0.009	0.01	0.007	0.02	--	0.04	0.003	0.09	0.3	0.08	0.08	0.1	0.7	0.2	0.5	0.2	0.01	0.1	0.009	0.01	0.03	0.4	0.06	0.1	0.1
116M	House	0.06	0.004	0.07	0.1	0.05	0.07	--	0.2	0.02	0.007	0.0005	0.008	0.01	0.006	0.008	--	0.02	0.002	0.06	0.3	0.07	0.1	0.1	0.7	0.2	0.4	0.2	0.007	0.1	0.008	0.01	0.03	0.4	0.06	0.09	0.1
116-O1	Other -Not Specified	0.02	0.006	0.07	0.08	0.01	0.2	--	0.1	0.01	0.002	0.0007	0.009	0.01	0.002	0.02	--	0.01	0.001	0.02	0.3	0.07	0.08	0.08	0.8	0.2	0.3	0.1	0.002	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
117-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.002	0.004	0.001	0.02	0.02	0.0005	0.02	--	0.01	0.0002	0.03	0.3	0.1	0.1	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.02	0.02	0.02	0.4	0.06	0.08	0.1
118-G1	Garden	0.01	0.005	0.08	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.02	--	0.01	0.0004	0.01	0.3	0.08	0.09	0.07	0.8	0.2	0.3	0.1	0.002	0.1	0.009	0.01	0.02	0.4	0.06	0.07	0.1
118-G2	Garden	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003	0.01	0.3	0.06	0.07	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
118-H1	House	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.01	0.0005	0.01	--	0.009	0.0004	0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.01	0.02	0.4	0.06	0.07	0.1
118-N1	Animal Activity Area	0.02	0.004	0.05	0.07	0.007	0.1	--	0.08	0.007	0.002	0.0004	0.006	0.008	0.0009	0.02	--	0.009	0.0008	0.02	0.3	0.05	0.07	0.07	0.7	0.2	0.2	0.1	0.002	0.1	0.006	0.008	0.02	0.4	0.06	0.07	0.1
118-N2	Animal Activity Area	0.02	0.003	0.05	0.07	0.01	0.2	--	0.09	0.01	0.003	0.0004	0.006	0.008	0.001	0.02	--	0.01	0.001	0.02	0.3	0.05	0.07	0.08	0.8	0.2	0.3	0.1	0.003	0.1	0.006	0.008	0.03	0.4	0.06	0.07	0.1
119-P1	Play Area	0.09	0.004	0.08	0.08	0.04	0.2	--	0.2	0.03	0.01	0.0005	0.009	0.01	0.004	0.02	--	0.03	0.003	0.09	0.3	0.08	0.08	0.1	0.8	0.2	0.4	0.2	0.01	0.1	0.009	0.01	0.03	0.4	0.06	0.09	0.1
120-A1	Agriculture	0.02	0.01	0.07	0.06	0.008	0.07	--	0.07	0.007	0.003	0.001	0.008	0.007	0.0009	0.009	--	0.009	0.0009	0.02	0.3	0.07	0.06	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.008	0.007	0.02	0.4	0.06	0.07	0.1
120-G1	Garden	0.02	0.008	0.03	0.04	0.01	0.07	--	0.07	0.01	0.002	0.0009	0.004	0.005	0.001	0.008	--	0.008	0.001	0.02	0.3	0.03	0.04	0.07	0.7	0.2	0.2	0.2	0.002	0.1	0.004	0.005	0.02	0.4	0.06	0.07	0.1
120-H1	House	0.02	0.007	0.05	0.05	0.01	0.07	--	0.07	0.008	0.003	0.0008	0.005	0.006	0.001	0.008	--	0.009	0.0009	0.02	0.3	0.05	0.05	0.08	0.7	0.2	0.2	0.1	0.003	0.1	0.005	0.006	0.03	0.4	0.06	0.07	0.1
120-O1	Other -Not Specified	0.03	0.01	0.05	0.06	0.01	0.09	--	0.09	0.01	0.004	0.001	0.006	0.006	0.002	0.01	--	0.01	0.001	0.03	0.3	0.05	0.06	0.08	0.7	0.2	0.3	0.1	0.004	0.1	0.006	0.006	0.03	0.4	0.06	0.07	0.1
121-G1	Garden	0.02	0.006	0.07	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.008	0.01	0.0008	0.01	--	0.01	0.0004	0.02	0.3	0.07	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.07	0.1

Table 5-29. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**														
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**														
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																			
121-H1	House	0.02	0.005	0.07	0.08	0.009	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0007	0.02	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.009	0.02	0.4	0.06	0.08	0.1
121-N1	Animal Activity Area	0.02	0.005	0.07	0.09	0.006	0.1	--	0.09	0.003	0.002	0.0006	0.008	0.01	0.0007	0.01	--	0.01	0.0004	0.02	0.3	0.07	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.07	0.1
121-N2	Animal Activity Area	0.02	0.005	0.07	0.09	0.009	0.1	--	0.1	0.005	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0006	0.02	0.3	0.07	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.08	0.1
122-G1	Garden	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.008	0.02	0.4	0.06	0.08	0.1
122-G2	Garden	0.02	0.004	0.06	0.07	0.008	0.09	--	0.09	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.007	0.008	0.02	0.4	0.06	0.07	0.1
122-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.002	0.0005	0.009	0.01	0.001	0.02	--	0.01	0.002	0.02	0.3	0.07	0.09	0.08	0.7	0.2	0.3	0.2	0.002	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
122-H2	House	0.01	0.004	0.06	0.08	0.009	0.1	--	0.09	0.008	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009	0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
122-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.03	0.3	0.07	0.09	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
122-O2	Other -Not Specified	0.04	0.004	0.07	0.09	0.03	0.1	--	0.2	0.03	0.005	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.003	0.04	0.3	0.07	0.09	0.09	0.7	0.2	0.4	0.2	0.005	0.1	0.008	0.01	0.03	0.4	0.06	0.09	0.1
122-P1	Play Area	0.04	0.004	0.07	0.09	0.04	0.2	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.02	--	0.02	0.004	0.04	0.3	0.07	0.09	0.1	0.8	0.2	0.4	0.2	0.004	0.1	0.009	0.01	0.03	0.4	0.06	0.09	0.1
123-G1	Garden	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.04	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.2	0.004	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
123-G2	Garden	0.04	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.01	0.001	0.04	0.3	0.09	0.09	0.08	0.8	0.2	0.3	0.2	0.004	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
123-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.009	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001	0.03	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
123-O1	Other -Not Specified	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001	0.03	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.2	0.003	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
123-O2	Other -Not Specified	0.05	0.007	0.1	0.1	0.04	0.2	--	0.2	0.03	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.05	0.3	0.1	0.1	0.1	0.8	0.2	0.3	0.2	0.006	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
124-G1	Garden	0.01	0.007	0.09	0.1	0.005	0.09	--	0.1	0.006	0.002	0.0009	0.01	0.01	0.0006	0.01	--	0.01	0.0006	0.01	0.3	0.09	0.1	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
124-G2	Garden	0.04	0.01	0.2	0.1	0.02	0.1	--	0.2	0.01	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.002	0.04	0.3	0.2	0.1	0.08	0.8	0.2	0.4	0.2	0.004	0.1	0.02	0.02	0.03	0.4	0.06	0.09	0.1
124-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.007	0.004	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0008	0.03	0.3	0.2	0.2	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.02	0.02	0.02	0.4	0.06	0.08	0.1
124-N1	Animal Activity Area	0.02	0.009	0.08	0.07	0.005	0.07	--	0.09	0.005	0.002	0.001	0.009	0.008	0.0006	0.008	--	0.01	0.0005	0.02	0.3	0.08	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.008	0.02	0.4	0.06	0.07	0.1
124-N2	Animal Activity Area	0.01	0.005	0.07	0.1	0.001	0.08	--	0.07	0.001	0.001	0.0006	0.008	0.01	0.0002	0.01	--	0.008	0.0001	0.01	0.3	0.07	0.1	0.06	0.7	0.2	0.2	0.1	0.001	0.1	0.008	0.01	0.02	0.4	0.06	0.07	0.1
124-O1	Other -Not Specified	0.03	0.01	0.2	0.1	0.01	0.2	--	0.2	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002	0.03	0.3	0.2	0.1	0.08	0.8	0.2	0.3	0.2	0.004	0.1	0.02	0.02	0.03	0.4	0.06	0.08	0.1
125-O1	Other -Not Specified	0.02	0.007	0.09	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0008	0.01	0.01	0.001	0.01	--	0.01	0.001	0.02	0.3	0.09	0.09	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
126-A1	Agriculture	0.02	0.003	0.04	0.07	0.008	0.09	--	0.09	0.007	0.002	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.04	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.005	0.008	0.02	0.4	0.06	0.07	0.1
126-G1	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.004	0.003	0.0005	0.007	0.01	0.0008	0.01	--	0.01	0.0005	0.02	0.3	0.06	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.007	0.01	0.02	0.4	0.06	0.08	0.1
126-G2	Garden	0.02	0.004	0.05	0.07	0.008	0.1	--	0.08	0.006	0.002	0.0004	0.006	0.008	0.0009	0.01	--	0.01	0.0007	0.02	0.3	0.05	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.006	0.008	0.02	0.4	0.06	0.07	0.1
126-H1	House	0.01	0.003	0.04	0.06	0.004	0.07	--	0.06	0.003	0.001	0.0003	0.005	0.007	0.0004	0.008	--	0.007	0.0004	0.01	0.3	0.04	0.06	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.005	0.007	0.02	0.4	0.06	0.07	0.1
126-O1	Other -Not Specified	0.02	0.003	0.05	0.07	0.007	0.09	--	0.08	0.005	0.002	0.0004	0.005	0.008	0.0008	0.01	--	0.01	0.0006	0.02	0.3	0.05	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.005	0.008	0.02	0.4	0.06	0.07	0.1
126-O2	Other -Not Specified	0.01	0.003	0.04	0.07	0.006	0.07	--	0.07	0.003	0.002	0.0003	0.005	0.008	0.0007	0.008	--	0.008	0.0004	0.01	0.3	0.04	0.07	0.07	0.7	0.2	0.2	0.1	0.002	0.1	0.005	0.008	0.02	0.4	0.06	0.07	0.1
126-O3	Other -Not Specified	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.005	0.002	0.0005	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.02	0.3	0.06	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.08	0.1
126-P1	Play Area	0.01	0.003	0.04	0.06	0.005	0.05	--	0.1	0.003	0.002	0.0003	0.005	0.007	0.0006	0.005	--	0.01	0.0004	0.01	0.3	0.04	0.06	0.07	0.6	0.2	0.3	0.1	0.002	0.1	0.005	0.007	0.02	0.4	0.06	0.08	0.1
127-A1	Agriculture	0.03	0.004	0.07	0.09	0.02	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.003	0.02	--	0.02	0.002	0.03	0.3	0.07	0.09	0.09	0.8	0.2	0.3	0.2	0.004	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
127-G1	Garden	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.08	0.1
127-G2	Garden	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009	0.02	0.3	0.07	0.09	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
127-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.001	0.02	0.3	0.07	0.09	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
127-H2	House	0.01	0.005	0.06	0.08	0.007	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006	0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.009	0.02	0.4	0.06	0.07	0.1
127-N1	Animal Activity Area	0.02	0.003	0.05	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0004	0.006	0.009	0.002	0.01	--	0.01	0.001	0.02	0.3	0.05	0.08	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.006	0.009	0.03	0.4	0.06	0.08	0.1
128-G1	Garden	0.05	0.01	0.1	0.1	0.008	0.1	--	0.1	0.006	0.006	0.001	0.01	0.01	0.0009	0.02	--	0.02	0.0007	0.05	0.3	0.1	0.1	0.07	0.7	0.2	0.3	0.1	0.006	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
128-G2	Garden	0.05	0.02	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.002	0.01	0.01	0.001	0.02	--	0.02	0.001	0.05	0.3	0.1	0.09	0.07	0.7	0.2	0.3	0.1	0.005	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
128-G3	Garden	0.03	0.008	0.1	0.1	0.006	0.1	--	0.1	0.004	0.004	0.0009	0.01	0.01	0.0007	0.02	--	0.02	0.0005	0.03	0.3	0.1	0.1	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
128-N1	Animal Activity Area	0.05	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.1	0.005	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
128-O1	Other -Not Specified	0.04	0.02	0.09	0.1	0.01	0.1	--	0.1	0.007	0.004	0.002	0.01	0.01	0.001	0.02	--	0.02	0.0009	0.04	0.3	0.09	0.1	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
129-H1	House	0.05	0.004	0.05	0.08	0.04	0.07	--	0.2	0.02	0.006	0.0004	0.006	0.009	0.004	0.008	--	0.02	0.002	0.05	0.3	0.05	0.08	0.1	0.7	0.2	0.4	0.2	0.006	0.1	0.006	0.009	0.03	0.4	0.06	0.09	0.1
129-H2	House	0.05	0.003	0.05	0.07	0.04	0.08	--	0.2	0.02	0.005	0.0004	0.006	0.008	0.004	0.009	--	0.02	0.003	0.05	0.3	0.05	0.07	0.1	0.7	0.2	0.4	0.2	0.005	0.1	0.006	0.008	0.03	0.4	0.06	0.08	0.1
130-G1	Garden	0.01	0.004	0.05	0.07	0.006	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0006	0.01	--	0.008	0.0005	0.01	0.3	0.05	0.07	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.006	0.008	0.02	0.4	0.06	0.07	0.1
130-H1	House	0.008	0.004	0.05	0.08	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.006	0.009	0.0003	0.008	--	0.008	0.0003	0.008	0.3	0.05	0.08	0.07	0.7	0.2	0.2	0.1	0.0009	0.1	0.006	0.009	0.02	0.4	0.06	0.07	0.1
130-H2	House	0.02	0.005	0.07	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0007	0.02	0.3	0.07	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.08	0.1
131-H1	House	0.03	0.005	0.07	0.09	0.01	0.09	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.002	0.03	0.3	0.07	0.09	0.07	0.7	0.2	0.3	0.2	0.003	0.1	0.008	0.01	0.02	0.4	0.06	0.08	0.1
132-G1	Garden	0.01	0.004	0.06	0.08	0.003	0.06	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.007	--	0.008	0.0003	0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
132-G2	Garden	0.009	0.004	0.07	0.09	0.002	0.08	--	0.07	0.001	0.001	0.0005	0.008	0.01	0.0002	0.009	--	0.008	0.0001	0.009	0.3	0.07	0.09	0.06	0.7	0.2	0.2	0.1	0.001	0.1	0.008	0.01	0.02	0.4	0.06	0.07	0.1
132-H1	House	0.01	0.004	0.05	0.07	0.004	0.07	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.008	--	0.009	0.0004	0.01	0.3	0.05	0.07	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.006	0.008	0.02	0.4	0.06	0.07	0.1
132-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0004	0.01	0.3	0.07	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.01	0.02	0.4	0.06	0.07	0.1
133-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.1	--	0.2	0.02	0.005	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002	0.05	0.3	0.07	0.09	0.08	0.7	0.2	0.3	0.2	0.005	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
133-H1	House	0.03	0.02	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.002	0.008	0.01	0.001	0.01	--	0.01	0.001	0.03	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.008	0.01	0.02	0.4	0.06	0.08	0.1
134-O1	Other -Not Specified	0.1	0.004	0.07	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0005	0.008	0.01	0.007	0.01	--	0.04	0.004	0.1	0.3	0.07	0.08	0.1	0.7	0.2	0.5	0.2	0.01	0.1	0.008	0.01	0.03	0.4	0.06	0.1	0.1
135-G1	Garden	0.05	0.005	0.07	0.07	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.02	--	0.02	0.001	0.05	0.3	0.07	0.07	0.07	0.8	0.2	0.3	0.1	0.006	0.1	0.008	0.009	0.02	0.4	0.06	0.08	0.1
135-H1	House	0.05	0.005	0.07	0.09	0.01	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.002	0.05	0.3	0.07	0.09	0.08	0.8	0.2	0.3	0.2	0.006	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
135-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.001	0.05	0.3	0.07	0.09	0.07	0.8	0.2	0.3	0.1	0.006	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
136-A1	Agriculture	0.02	0.005	0.06	0.08	0.01	0.08	--	0.09	0.005	0.002	0.0006	0.007	0.009	0.001	0.009	--	0.01	0.0005	0.02	0.3	0.06	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
136-G1	Garden	0.01	0.005	0.06	0.07	0.007	0.08	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0008	0.01	--	0.01	0.0005	0.01	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
136-H1	House	0.02	0.005	0.06	0.07	0.009	0.07	--	0.09	0.005	0.002	0.0006	0.006	0.008	0.001	0.008	--	0.01	0.0006	0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.006	0.008	0.02	0.4	0.06	0.07	0.1
136-O1	Other -Not Specified	0.02	0.003	0.04	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.005	0.007	0.003	0.01	--	0.02	0.002	0.02	0.3	0.04	0.06	0.09	0.7	0.2	0.3	0.2	0.002	0.1	0.005	0.007	0.03	0.4	0.06	0.08	0.1
137-O1	Other -Not Specified	0.02	0.003	0.04	0.05	0.02	0.09	--	0.1	0.02	0.002	0.0003	0.005	0.006	0.002	0.01	--	0.01	0.002	0.02	0.3	0.04	0.05	0.08	0.7	0.2	0.3	0.2	0.002	0.1	0.005	0.006	0.03	0.4	0.06	0.08	0.1
137-O2	Other -Not Specified	0.02	0.003	0.05	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.002	0.02	0.3	0.05	0.06	0.08	0.7	0.2	0.3	0.2	0.002	0.1	0.006	0.008	0.03	0.4	0.06	0.08	0.1
138-G1	Garden	0.02	0.008	0.09	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.001	0.02	0.3	0.09	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
138-G2	Garden	0.02	0.009	0.09	0.08	0.01	0.1	--	0.08	0.009	0.002	0.001	0.01	0.009	0.001	0.02	--	0.01	0.001	0.02	0.3	0.09	0.08	0.08	0.7	0.2	0.3	0.1	0.002	0.1	0.01	0.009	0.03	0.4	0.06	0.07	0.1
138-H1	House	0.02	0.009	0.09	0.1	0.009	0.1	--	0.1	0.007	0.002	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0008	0.02	0.3	0.09	0.1	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
138-O1	Other -Not Specified	0.01	0.007	0.08	0.1	0.006	0.1	--	0.09	0.005	0.002	0.0008	0.009	0.01	0.0007	0.01	--	0.01	0.0006	0.01	0.3	0.08	0.1	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.01	0.02	0.4	0.06	0.07	0.1

Table 5-29. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																					
138-O2	Other -Not Specified	0.02	0.01	0.08	0.08	0.01	0.1	--	0.09	0.02	0.003	0.001	0.009	0.009	0.001	0.01	--	0.01	0.002	0.02	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.2	0.003	0.1	0.009	0.009	0.02	0.4	0.06	0.07	0.1
139-G1	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0006	0.02	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
139-G2	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0009	0.01	--	0.01	0.0006	0.02	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
139-H1	House	0.02	0.004	0.07	0.07	0.006	0.1	--	0.09	0.006	0.002	0.0005	0.009	0.009	0.0007	0.01	--	0.01	0.0007	0.02	0.3	0.07	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.009	0.02	0.4	0.06	0.07	0.1
139-N1	Animal Activity Area	0.02	0.004	0.08	0.08	0.008	0.1	--	0.1	0.006	0.002	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.0007	0.02	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
140-G1	Garden	0.09	0.004	0.07	0.09	0.05	0.2	--	0.2	0.02	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.003	0.09	0.3	0.07	0.09	0.1	0.8	0.2	0.4	0.2	0.01	0.1	0.009	0.01	0.03	0.4	0.06	0.09	0.1
140-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
140-O1	Other -Not Specified	0.2	0.004	0.07	0.08	0.06	0.2	--	0.4	0.04	0.02	0.0005	0.008	0.01	0.008	0.02	--	0.04	0.005	0.2	0.3	0.07	0.08	0.1	0.8	0.2	0.5	0.2	0.02	0.1	0.008	0.01	0.03	0.4	0.06	0.1	0.1
140-O2[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
141-A1	Agriculture	0.03	0.009	0.1	0.1	0.008	0.2	--	0.1	0.006	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0006	0.03	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.02	0.02	0.02	0.4	0.06	0.08	0.1
141-H1	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.001	0.01	0.01	0.001	0.01	--	0.01	0.0008	0.03	0.3	0.1	0.1	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
141-H2	House	0.04	0.01	0.2	0.1	0.02	0.2	--	0.1	0.01	0.005	0.001	0.02	0.02	0.002	0.02	--	0.02	0.001	0.04	0.3	0.2	0.1	0.08	0.8	0.2	0.3	0.1	0.005	0.1	0.02	0.02	0.03	0.4	0.06	0.08	0.1
141-H3	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.008	0.004	0.001	0.01	0.02	0.001	0.02	--	0.01	0.001	0.03	0.3	0.1	0.1	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.01	0.02	0.02	0.4	0.06	0.08	0.1
141-N1	Animal Activity Area	0.02	0.006	0.08	0.1	0.007	0.1	--	0.08	0.005	0.002	0.0007	0.01	0.01	0.0008	0.01	--	0.009	0.0006	0.02	0.3	0.08	0.1	0.07	0.7	0.2	0.2	0.1	0.002	0.1	0.01	0.01	0.02	0.4	0.06	0.07	0.1
141-N2	Animal Activity Area	0.04	0.009	0.1	0.1	0.01	0.2	--	0.1	0.007	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0008	0.04	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.1	0.004	0.1	0.02	0.02	0.03	0.4	0.06	0.08	0.1
141-N3	Animal Activity Area	0.01	0.004	0.05	0.06	0.004	0.05	--	0.09	0.002	0.001	0.0004	0.006	0.007	0.0005	0.006	--	0.01	0.0003	0.01	0.3	0.05	0.06	0.07	0.7	0.2	0.3	0.1	0.001	0.1	0.006	0.007	0.02	0.4	0.06	0.07	0.1
141-N4	Animal Activity Area	0.03	0.009	0.1	0.1	0.009	0.1	--	0.1	0.006	0.004	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0007	0.03	0.3	0.1	0.1	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
141-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.02	0.001	0.02	--	0.01	0.0008	0.03	0.3	0.1	0.1	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.01	0.02	0.02	0.4	0.06	0.08	0.1
142-H1	House	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.02	0.001	0.03	0.3	0.08	0.09	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
142-O1	Other -Not Specified	0.02	0.005	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.001	0.02	0.3	0.08	0.1	0.07	0.8	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
143-A1	Agriculture	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007	0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
143-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.008	0.02	0.4	0.06	0.08	0.1
143-G2	Garden	0.02	0.004	0.07	0.07	0.007	0.1	--	0.1	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006	0.02	0.3	0.07	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.009	0.02	0.4	0.06	0.08	0.1
143-H1	House	0.02	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009	0.02	0.3	0.06	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.007	0.009	0.02	0.4	0.06	0.08	0.1
144-G1	Garden	0.04	0.005	0.08	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.3	0.08	0.08	0.08	0.7	0.2	0.3	0.2	0.004	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
144-H1	House	0.04	0.004	0.07	0.08	0.02	0.1	--	0.2	0.02	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.04	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.2	0.004	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
145-A1	Agriculture	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.02	--	0.01	0.001	0.02	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.009	0.02	0.4	0.06	0.08	0.1
145-H1	House	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002	0.04	0.3	0.08	0.09	0.08	0.8	0.2	0.3	0.2	0.004	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
146G	Garden	0.03	0.007	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0008	0.01	0.01	0.0007	0.02	--	0.02	0.0005	0.03	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
146-H1	House	0.2	0.004	0.07	0.09	0.1	0.2	--	0.7	0.2	0.02	0.0005	0.009	0.01	0.01	0.03	--	0.08	0.02	0.2	0.3	0.07	0.09	0.2	0.8	0.2	0.9	0.3	0.02	0.1	0.009	0.01	0.04	0.4	0.06	0.1	0.2
147-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0007	0.02	0.3	0.08	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
147-G2	Garden	0.02	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.001	0.02	0.3	0.08	0.09	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
147-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0006	0.008	0.01	0.001	0.02	--	0.01	0.001	0.02	0.3	0.07	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
148-H1	House	0.01	0.004	0.06	0.07	0.004	0.07	--	0.08	0.004	0.001	0.0005	0.007	0.009	0.0005	0.008	--	0.009	0.0005	0.01	0.3	0.06	0.07	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
148-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.08	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.01	0.3	0.07	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.07	0.1
148-O3	Other -Not Specified	0.03	0.005	0.07	0.09	0.01	0.08	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.009	--	0.02	0.001	0.03	0.3	0.07	0.09	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
149-A1	Agriculture	0.04	0.05	0.3	0.2	0.02	0.2	--	0.3	0.05	0.005	0.006	0.03	0.02	0.002	0.02	--	0.03	0.006	0.04	0.3	0.3	0.2	0.08	0.8	0.2	0.4	0.2	0.005	0.1	0.03	0.02	0.03	0.4	0.06	0.1	0.1
149-G1	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.03	0.3	0.2	0.2	0.08	0.8	0.2	0.4	0.2	0.004	0.1	0.02	0.02	0.03	0.4	0.06	0.09	0.1
149-G2	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.03	0.3	0.2	0.2	0.08	0.8	0.2	0.4	0.2	0.004	0.1	0.02	0.02	0.03	0.4	0.06	0.09	0.1
149-H1	House	0.04	0.03	0.2	0.1	0.02	0.2	--	0.2	0.03	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.04	0.3	0.2	0.1	0.08	0.8	0.2	0.4	0.2	0.004	0.1	0.02	0.02	0.03	0.4	0.06	0.09	0.1
149-N1	Animal Activity Area	0.02	0.02	0.2	0.1	0.01	0.1	--	0.2	0.02	0.003	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002	0.02	0.3	0.2	0.1	0.07	0.7	0.2	0.3	0.2	0.003	0.1	0.02	0.02	0.02	0.4	0.06	0.08	0.1
150-G1	Garden	0.01	0.004	0.05	0.07	0.005	0.08	--	0.08	0.004	0.002	0.0005	0.006	0.009	0.0006	0.009	--	0.01	0.0004	0.01	0.3	0.05	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.006	0.009	0.02	0.4	0.06	0.07	0.1
150-H1	House	0.01	0.005	0.06	0.07	0.005	0.08	--	0.07	0.004	0.001	0.0005	0.007	0.009	0.0005	0.009	--	0.008	0.0004	0.01	0.3	0.06	0.07	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
151-H1	House	0.02	0.006	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.008	0.01	0.001	0.01	--	0.01	0.001	0.02	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.008	0.01	0.02	0.4	0.06	0.08	0.1
152-G1	Garden	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001	0.03	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.2	0.004	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
152-H1	House	0.04	0.007	0.08	0.07	0.02	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.008	0.002	0.01	--	0.02	0.002	0.04	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.2	0.004	0.1	0.009	0.008	0.03	0.4	0.06	0.08	0.1
153-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.2	--	0.1	0.01	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.05	0.3	0.07	0.09	0.08	0.8	0.2	0.3	0.1	0.005	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
153-H1	House	0.08	0.006	0.09	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0007	0.01	0.01	0.004	0.02	--	0.03	0.004	0.08	0.3	0.09	0.09	0.1	0.8	0.2	0.4	0.2	0.009	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
153-O1	Other -Not Specified	0.04	0.005	0.08	0.08	0.03	0.3	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.03	--	0.02	0.003	0.04	0.3	0.08	0.08	0.1	0.9	0.2	0.3	0.2	0.004	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
153-O2	Other -Not Specified	0.04	0.003	0.04	0.05	0.05	0.1	--	0.2	0.03	0.005	0.0003	0.004	0.006	0.006	0.02	--	0.02	0.003	0.04	0.3	0.04	0.05	0.1	0.7	0.2	0.3	0.2	0.005	0.1	0.004	0.006	0.03	0.4	0.06	0.08	0.1
153-O3	Other -Not Specified	0.07	0.005	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	0.0006	0.009	0.01	0.004	0.02	--	0.02	0.002	0.07	0.3	0.08	0.1	0.09	0.8	0.2	0.4	0.2	0.008	0.1	0.009	0.01	0.03	0.4	0.06	0.09	0.1
153-O5	Other -Not Specified	0.08	0.005	0.07	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0005	0.008	0.01	0.004	0.02	--	0.03	0.003	0.08	0.3	0.07	0.09	0.1	0.8	0.2	0.4	0.2	0.009	0.1	0.008	0.01	0.03	0.4	0.06	0.09	0.1
153-O6	Other -Not Specified	0.05	0.005	0.08	0.1	0.02	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.001	0.05	0.3	0.08	0.1	0.08	0.8	0.2	0.3	0.2	0.006	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
153-O7	Other -Not Specified	0.08	0.005	0.08	0.09	0.05	0.2	--	0.2	0.04	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.005	0.08	0.3	0.08	0.09	0.1	0.8	0.2	0.4	0.2	0.01	0.1	0.009	0.01	0.03	0.4	0.06	0.09	0.1
153-P1	Play Area	0.07	0.005	0.09	0.09	0.04	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.03	--	0.03	0.004	0.07	0.3	0.09	0.09	0.1	0.8	0.2	0.4	0.2	0.009	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
154-G1	Garden	0.01	0.006	0.08	0.09	0.003	0.1	--	0.09	0.003	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.01	0.0003	0.01	0.3	0.08	0.09	0.07	0.7	0.2	0.3	0.1	0.001	0.1	0.009	0.01	0.02	0.4	0.06	0.07	0.1
154-H1	House	0.01	0.005	0.07	0.07	0.007	0.07	--	0.08	0.003	0.001	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0004	0.01	0.3	0.07	0.07	0.07	0.7	0.2	0.3	0.1	0.001	0.1	0.008	0.008	0.02	0.4	0.06	0.07	0.1
155-G1	Garden	0.04	0.004	0.07	0.07	0.02	0.1	--	0.1	0.02	0.005	0.0005	0.008	0.008	0.003	0.02	--	0.02	0.002	0.04	0.3	0.07	0.07	0.09	0.7	0.2	0.3	0.2	0.005	0.1	0.008	0.008	0.03	0.4	0.06	0.08	0.1
155-G2	Garden	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.001	0.02	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.1	0.003	0.1	0.008	0.009	0.03	0.4	0.06	0.08	0.1
155-H1	House	0.02	0.005	0.07	0.07	0.008	0.08	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006	0.02	0.3	0.07	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.008	0.02	0.4	0.06	0.08	0.1
155-H2	House	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.02	0.001	0.03	0.3	0.06	0.07	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.007	0.008	0.03	0.4	0.06	0.08	0.1
155-O2	Other -Not Specified	0.04	0.003	0.06	0.06	0.04	0.1	--	0.2	0.02	0.005	0.0004	0.007	0.007	0.005	0.01	--	0.02	0.003	0.04	0.3	0.06	0.06	0.1	0.7	0.2	0.3	0.2	0.005	0.1	0.007	0.007	0.03	0.4	0.06	0.08	0.1
156-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0009	0.02	0.3	0.07	0.09	0.08	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
156-O1	Other -Not Specified	0.03	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.006	0.008	0.003	0.01	--	0.02	0.002	0.03	0.3	0.05	0.07	0.09	0.7	0.2	0.3	0.2	0.004	0.1	0.006	0.008	0.03	0.4	0.06	0.08	0.1
157-G1	Garden	0.02	0.005	0.07	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0008	0.009	--	0.01	0.0006	0.02	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
157-H1	House	0.02	0.005	0.07	0.08	0.01	0.07	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.002	0.009	--	0.02	0.001	0.02	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.1	0.003	0.1	0.009	0.009	0.03	0.4	0.06	0.08	0.1

Table 5-29. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
157-H2	House	0.02	0.005	0.07	0.08	0.008	0.07	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.009	--	0.01	0.0008	0.02	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.009	0.02	0.4	0.06	0.08	0.1
157-O1	Other -Not Specified	0.02	0.004	0.06	0.06	0.009	0.06	--	0.09	0.007	0.002	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.0008	0.02	0.3	0.06	0.06	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.007	0.02	0.4	0.06	0.07	0.1
158-H1	House	0.01	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0005	0.008	--	0.01	0.0004	0.01	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
158-O1	Other -Not Specified	0.01	0.005	0.07	0.08	0.006	0.08	--	0.1	0.004	0.001	0.0005	0.008	0.009	0.0007	0.009	--	0.01	0.0004	0.01	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.001	0.1	0.008	0.009	0.02	0.4	0.06	0.07	0.1
159-G1	Garden	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0008	0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
159-H1	House	0.02	0.003	0.05	0.06	0.006	0.07	--	0.08	0.006	0.002	0.0004	0.005	0.007	0.0007	0.008	--	0.009	0.0007	0.02	0.3	0.05	0.06	0.07	0.7	0.2	0.2	0.1	0.002	0.1	0.005	0.007	0.02	0.4	0.06	0.07	0.1
159-H2	House	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.03	0.3	0.06	0.07	0.08	0.7	0.2	0.3	0.1	0.004	0.1	0.007	0.008	0.03	0.4	0.06	0.08	0.1
159-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.005	0.08	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006	0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.008	0.02	0.4	0.06	0.07	0.1
159-O2	Other -Not Specified	0.02	0.004	0.06	0.07	0.006	0.08	--	0.08	0.006	0.002	0.0005	0.007	0.008	0.0007	0.009	--	0.009	0.0007	0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.008	0.02	0.4	0.06	0.07	0.1
160-G1	Garden	0.03	0.004	0.06	0.07	0.009	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.03	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.2	0.003	0.1	0.007	0.008	0.02	0.4	0.06	0.08	0.1
160-H1	House	0.02	0.004	0.07	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0005	0.008	0.01	0.0007	0.01	--	0.01	0.0008	0.02	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.008	0.01	0.02	0.4	0.06	0.08	0.1
160-H2	House	0.02	0.005	0.07	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0006	0.02	0.3	0.07	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.07	0.1
161-H1	House	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.002	0.03	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.2	0.004	0.1	0.008	0.009	0.03	0.4	0.06	0.08	0.1
161-N1	Animal Activity Area	0.02	0.004	0.06	0.06	0.008	0.08	--	0.09	0.01	0.002	0.0005	0.007	0.007	0.0009	0.009	--	0.01	0.001	0.02	0.3	0.06	0.06	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.007	0.02	0.4	0.06	0.07	0.1
162-H1	House	0.01	0.003	0.05	0.06	0.02	0.05	--	0.08	0.008	0.002	0.0003	0.006	0.008	0.002	0.006	--	0.009	0.0009	0.01	0.3	0.05	0.06	0.08	0.7	0.2	0.2	0.1	0.002	0.1	0.006	0.008	0.03	0.4	0.06	0.07	0.1
163G	Garden	0.09	0.005	0.07	0.08	0.02	0.2	--	0.2	0.02	0.01	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002	0.09	0.3	0.07	0.08	0.08	0.8	0.2	0.4	0.2	0.01	0.1	0.008	0.01	0.03	0.4	0.06	0.09	0.1
163-G1	Garden	0.01	0.003	0.05	0.06	0.008	0.09	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.001	0.01	--	0.009	0.0006	0.01	0.3	0.05	0.06	0.07	0.7	0.2	0.2	0.1	0.002	0.1	0.006	0.008	0.02	0.4	0.06	0.07	0.1
163-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001	0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.009	0.02	0.4	0.06	0.08	0.1
164-H1	House	0.03	0.005	0.07	0.09	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.002	0.03	0.3	0.07	0.09	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
165-H1	House	0.03	0.01	0.2	0.2	0.009	0.1	--	0.09	0.005	0.003	0.002	0.02	0.02	0.001	0.02	--	0.01	0.0006	0.03	0.3	0.2	0.2	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.02	0.02	0.02	0.4	0.06	0.07	0.1
165-O1	Other -Not Specified	0.04	0.02	0.2	0.2	0.02	0.2	--	0.1	0.01	0.005	0.002	0.03	0.02	0.002	0.02	--	0.02	0.002	0.04	0.3	0.2	0.2	0.08	0.8	0.2	0.3	0.2	0.005	0.1	0.03	0.02	0.03	0.4	0.06	0.08	0.1
166-O1	Other -Not Specified	0.05	0.004	0.05	0.1	0.03	0.07	--	0.2	0.03	0.005	0.0004	0.006	0.01	0.003	0.008	--	0.02	0.003	0.05	0.3	0.05	0.1	0.09	0.7	0.2	0.3	0.2	0.005	0.1	0.006	0.01	0.03	0.4	0.06	0.08	0.1
167-O1	Other -Not Specified	0.02	0.004	0.06	0.08	0.009	0.08	--	0.1	0.01	0.002	0.0005	0.007	0.009	0.001	0.009	--	0.01	0.001	0.02	0.3	0.06	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.009	0.02	0.4	0.06	0.08	0.1
167-O2	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.07	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.008	--	0.02	0.001	0.02	0.3	0.05	0.07	0.08	0.7	0.2	0.3	0.1	0.003	0.1	0.006	0.008	0.03	0.4	0.06	0.08	0.1
167-O3	Other -Not Specified	0.03	0.004	0.07	0.08	0.03	0.1	--	0.2	0.02	0.003	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.002	0.03	0.3	0.07	0.08	0.09	0.7	0.2	0.3	0.2	0.003	0.1	0.008	0.009	0.03	0.4	0.06	0.08	0.1
167-O4	Other -Not Specified	0.02	0.004	0.06	0.08	0.02	0.08	--	0.2	0.01	0.003	0.0005	0.007	0.01	0.002	0.009	--	0.02	0.001	0.02	0.3	0.06	0.08	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.007	0.01	0.03	0.4	0.06	0.08	0.1
167-O5	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.08	--	0.2	0.01	0.003	0.0004	0.007	0.009	0.002	0.009	--	0.02	0.001	0.03	0.3	0.06	0.07	0.08	0.7	0.2	0.4	0.2	0.003	0.1	0.007	0.009	0.03	0.4	0.06	0.09	0.1
167-O6	Other -Not Specified	0.03	0.004	0.06	0.07	0.03	0.1	--	0.1	0.02	0.004	0.0004	0.006	0.009	0.003	0.01	--	0.02	0.002	0.03	0.3	0.06	0.07	0.09	0.7	0.2	0.3	0.2	0.004	0.1	0.006	0.009	0.03	0.4	0.06	0.08	0.1
167-O7	Other -Not Specified	0.06	0.004	0.06	0.08	0.05	0.1	--	0.2	0.03	0.007	0.0004	0.007	0.009	0.006	0.01	--	0.03	0.004	0.06	0.3	0.06	0.08	0.1	0.7	0.2	0.4	0.2	0.007	0.1	0.007	0.009	0.03	0.4	0.06	0.09	0.1
167-O8	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.08	--	0.1	0.01	0.002	0.0004	0.005	0.008	0.003	0.01	--	0.02	0.001	0.02	0.3	0.05	0.07	0.09	0.7	0.2	0.3	0.2	0.002	0.1	0.005	0.008	0.03	0.4	0.06	0.08	0.1
167-O9	Other -Not Specified	0.02	0.004	0.05	0.08	0.02	0.09	--	0.1	0.01	0.003	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.002	0.02	0.3	0.05	0.08	0.09	0.7	0.2	0.3	0.2	0.003	0.1	0.006	0.009	0.03	0.4	0.06	0.08	0.1
168-G1	Garden	0.01	0.006	0.06	0.07	0.006	0.09	--	0.08	0.008	0.001	0.0007	0.007	0.009	0.0007	0.01	--	0.01	0.0009	0.01	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
168-G2	Garden	0.01	0.007	0.07	0.08	0.007	0.1	--	0.1	0.006	0.001	0.0008	0.008	0.009	0.0008	0.01	--	0.01	0.0007	0.01	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.001	0.1	0.008	0.009	0.02	0.4	0.06	0.07	0.1
168-H1	House	0.009	0.005	0.06	0.08	0.004	0.07	--	0.08	0.004	0.001	0.0006	0.007	0.009	0.0005	0.009	--	0.009	0.0005	0.009	0.3	0.06	0.08	0.07	0.7	0.2	0.3	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
168-N1	Animal Activity Area	0.01	0.007	0.06	0.06	0.007	0.09	--	0.07	0.007	0.002	0.0008	0.007	0.007	0.0008	0.01	--	0.008	0.0008	0.01	0.3	0.06	0.06	0.07	0.7	0.2	0.2	0.1	0.002	0.1	0.007	0.007	0.02	0.4	0.06	0.07	0.1
168-O1	Other -Not Specified	0.04	0.01	0.07	0.08	0.03	0.07	--	0.1	0.02	0.005	0.002	0.009	0.009	0.003	0.009	--	0.02	0.002	0.04	0.3	0.07	0.08	0.09	0.7	0.2	0.3	0.2	0.005	0.1	0.009	0.009	0.03	0.4	0.06	0.08	0.1
169A	Other -Not Specified	0.03	0.004	0.06	0.1	0.05	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.006	0.007	--	0.02	0.002	0.03	0.3	0.06	0.1	0.1	0.7	0.2	0.3	0.2	0.004	0.1	0.007	0.01	0.03	0.4	0.06	0.08	0.1
169-G2	Garden	0.01	0.004	0.06	0.08	0.008	0.07	--	0.08	0.006	0.002	0.0005	0.007	0.009	0.0009	0.008	--	0.009	0.0007	0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.002	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
169-G3	Garden	0.02	0.006	0.08	0.1	0.01	0.1	--	0.1	0.006	0.002	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.08	0.1	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
169-G4	Garden	0.02	0.004	0.06	0.09	0.01	0.09	--	0.08	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.06	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.07	0.1
169-H1	House	0.01	0.004	0.05	0.07	0.007	0.08	--	0.06	0.004	0.001	0.0004	0.005	0.008	0.0009	0.01	--	0.007	0.0005	0.01	0.3	0.05	0.07	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.005	0.008	0.02	0.4	0.06	0.07	0.1
170-G1	Garden	0.02	0.005	0.07	0.1	0.008	0.1	--	0.09	0.006	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0007	0.02	0.3	0.07	0.1	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.07	0.1
170-G2	Garden	0.02	0.005	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.01	0.002	0.02	0.3	0.07	0.09	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
170-H1	House	0.02	0.004	0.06	0.08	0.01	0.09	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0009	0.02	0.3	0.06	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.009	0.02	0.4	0.06	0.07	0.1
171-A1	Agriculture	0.04	0.01	0.2	0.1	0.02	0.2	--	0.2	0.02	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.003	0.04	0.3	0.2	0.1	0.08	0.8	0.2	0.4	0.2	0.004	0.1	0.02	0.02	0.03	0.4	0.06	0.09	0.1
171-G1	Garden	0.05	0.01	0.1	0.1	0.03	0.2	--	0.2	0.03	0.006	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003	0.05	0.3	0.1	0.1	0.09	0.8	0.2	0.4	0.2	0.006	0.1	0.02	0.02	0.03	0.4	0.06	0.09	0.1
171-H1	House	0.03	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.003	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.003	0.03	0.3	0.1	0.1	0.09	0.7	0.2	0.3	0.2	0.003	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
172U	Other -Not Specified	0.04	0.005	0.05	0.2	0.02	0.06	--	0.2	0.04	0.005	0.0006	0.006	0.02	0.003	0.007	--	0.02	0.004	0.04	0.3	0.05	0.2	0.09	0.7	0.2	0.3	0.2	0.005	0.1	0.006	0.02	0.03	0.4	0.06	0.08	0.1
173-G1	Garden	0.02	0.006	0.07	0.1	0.007	0.1	--	0.09	0.005	0.002	0.0008	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.02	0.3	0.07	0.1	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.07	0.1
173-G2	Garden	0.01	0.006	0.07	0.1	0.003	0.07	--	0.07	0.002	0.001	0.0007	0.008	0.01	0.0003	0.008	--	0.008	0.0002	0.01	0.3	0.07	0.1	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.008	0.01	0.02	0.4	0.06	0.07	0.1
173-G3	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0009	0.008	0.01	0.001	0.01	--	0.01	0.001	0.03	0.3	0.07	0.1	0.08	0.7	0.2	0.3	0.1	0.004	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
173-G4	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0009	0.008	0.01	0.002	0.01	--	0.01	0.001	0.03	0.3	0.07	0.1	0.08	0.7	0.2	0.3	0.2	0.004	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
173-G5	Garden	0.02	0.006	0.08	0.1	0.005	0.1	--	0.08	0.003	0.002	0.0007	0.01	0.01	0.0006	0.01	--	0.01	0.0003	0.02	0.3	0.08	0.1	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.01	0.01	0.02	0.4	0.06	0.07	0.1
173-H1	House	0.03	0.006	0.06	0.08	0.01	0.09	--	0.1	0.01	0.003	0.0007	0.007	0.009	0.002	0.01	--	0.01	0.002	0.03	0.3	0.06	0.08	0.08	0.7	0.2	0.3	0.2	0.003	0.1	0.007	0.009	0.03	0.4	0.06	0.08	0.1
173-P1	Play Area	0.03	0.006	0.07	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0007	0.008	0.01	0.002	0.01	--	0.02	0.002	0.03	0.3	0.07	0.09	0.08	0.7	0.2	0.3	0.2	0.004	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
174-A1	Agriculture	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.001	0.03	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
174-G1	Garden	0.03	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.03	--	0.02	0.001	0.03	0.3	0.09	0.09	0.08	0.8	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
174-H1	House	0.04	0.008	0.1	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002	0.04	0.3	0.1	0.08	0.09	0.8	0.2	0.3	0.2	0.004	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
174M	House	0.01	0.004	0.06	0.06	0.002	0.06	--	0.07	0.004	0.002	0.0005	0.007	0.007	0.0003	0.007	--	0.008	0.0005	0.01	0.3	0.06	0.06	0.07	0.7	0.2	0.2	0.1	0.002	0.1	0.007	0.007	0.02	0.4	0.06	0.07	0.1
175-G1	Garden	0.02	0.004	0.05	0.06	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.001	0.02	0.3	0.05	0.06	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.006	0.008	0.02	0.4	0.06	0.07	0.1
175-G2	Garden	0.01	0.004	0.05	0.06	0.005	0.06	--	0.07	0.003	0.001	0.0004	0.005	0.007	0.0006	0.007	--	0.008	0.0004	0.01	0.3	0.05	0.06	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.005	0.007	0.02	0.4	0.06	0.07	0.1
175-H1	House	0.01	0.003	0.04	0.06	0.01	0.08	--	0.09	0.008	0.002	0.0004	0.005	0.007	0.001	0.009	--	0.01	0.001	0.01	0.3	0.04	0.06	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.005	0.007	0.02	0.4	0.06	0.07	0.1
176-A1	Agriculture	0.02	0.005	0.07	0.07	0.009	0.09	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006	0.02	0.3	0.07	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.008	0.02	0.4	0.06	0.08	0.1
176G	Garden	0.05	0.005	0.06	0.06	0.02	0.1	--	0.1	0.01	0.006	0.0006	0.007	0.007	0.002	0.01	--	0.02	0.002	0.05	0.3	0.06	0.06	0.08	0.7	0.2	0.3	0.2	0.006	0.1	0.007	0.007	0.03	0.4	0.06	0.08	0.1
176-H1	House	0.02	0.004	0.06	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0007	0.02	0.3	0.06	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
176-H2	House	0.02	0.005	0.06	0.07	0.007	0.08	--	0.1	0.004	0.002	0.0006	0.008	0.009	0.0009	0.009	--	0.01	0.0005	0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.009	0.02	0.4	0.06	0.08	0.1
176M	House	0.05	0.004	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0005	0.006	0.007	0.002	0.01	--	0.02	0.003	0.05	0.3	0.05	0.06	0.08	0.7	0.2	0.3	0.2	0.006	0.1	0.006	0.007	0.03	0.4	0.06	0.08	0.1

Table 5-29. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																					
176-P1	Play Area	0.02	0.004	0.05	0.08	0.006	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.009	0.0007	0.01	--	0.01	0.0006	0.02	0.3	0.05	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.006	0.009	0.02	0.4	0.06	0.07	0.1
178-H1	House	0.02	0.005	0.08	0.1	0.005	0.1	--	0.1	0.003	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0004	0.02	0.3	0.08	0.1	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.01	0.01	0.02	0.4	0.06	0.07	0.1
179-H1	House	0.03	0.006	0.07	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0008	0.008	0.01	0.001	0.02	--	0.01	0.001	0.03	0.3	0.07	0.09	0.07	0.8	0.2	0.3	0.1	0.003	0.1	0.008	0.01	0.02	0.4	0.06	0.08	0.1
180-H1	House	0.07	0.005	0.07	0.09	0.05	0.09	--	0.3	0.02	0.009	0.0005	0.008	0.01	0.005	0.01	--	0.03	0.002	0.07	0.3	0.07	0.09	0.1	0.7	0.2	0.4	0.2	0.009	0.1	0.008	0.01	0.03	0.4	0.06	0.09	0.1
180-H2[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
180-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.08	0.1	--	0.3	0.02	0.006	0.0005	0.008	0.01	0.009	0.01	--	0.04	0.003	0.05	0.3	0.07	0.09	0.1	0.7	0.2	0.5	0.2	0.006	0.1	0.008	0.01	0.03	0.4	0.06	0.1	0.1
181-A1	Agriculture	0.06	0.006	0.08	0.09	0.01	0.2	--	0.2	0.01	0.007	0.0008	0.009	0.01	0.002	0.02	--	0.02	0.001	0.06	0.3	0.08	0.09	0.08	0.8	0.2	0.3	0.1	0.007	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
181-G1	Garden	0.04	0.005	0.07	0.08	0.008	0.1	--	0.1	0.004	0.005	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0005	0.04	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.005	0.1	0.009	0.009	0.02	0.4	0.06	0.08	0.1
181-G2	Garden	0.06	0.007	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.3	0.09	0.09	0.08	0.8	0.2	0.3	0.1	0.007	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
181-H1	House	0.06	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.3	0.09	0.09	0.08	0.8	0.2	0.3	0.2	0.007	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
181-H2	House	0.07	0.007	0.1	0.1	0.02	0.2	--	0.2	0.01	0.009	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.3	0.1	0.1	0.08	0.8	0.2	0.4	0.2	0.009	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
181-N1	Animal Activity Area	0.08	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.009	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002	0.08	0.3	0.09	0.09	0.08	0.8	0.2	0.4	0.2	0.009	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
181-N2	Animal Activity Area	0.06	0.006	0.08	0.09	0.02	0.2	--	0.2	0.01	0.008	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.06	0.3	0.08	0.09	0.08	0.8	0.2	0.3	0.2	0.008	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
181-O1	Other -Not Specified	0.04	0.007	0.09	0.09	0.008	0.1	--	0.1	0.006	0.004	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0007	0.04	0.3	0.09	0.09	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
182-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.2	--	0.2	0.03	0.004	0.001	0.01	0.01	0.003	0.02	--	0.02	0.003	0.04	0.3	0.1	0.1	0.09	0.8	0.2	0.3	0.2	0.004	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
182-G2	Garden	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.03	0.008	0.001	0.02	0.01	0.003	0.03	--	0.03	0.003	0.07	0.3	0.1	0.1	0.09	0.9	0.2	0.4	0.2	0.008	0.1	0.02	0.01	0.03	0.4	0.06	0.09	0.1
182-H1	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.2	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.03	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.2	0.003	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
182-H2	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.03	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.2	0.003	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
182-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.03	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.2	0.003	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
182-O2	Other -Not Specified	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	0.001	0.01	0.01	0.003	0.03	--	0.02	0.003	0.07	0.3	0.1	0.1	0.09	0.9	0.2	0.4	0.2	0.009	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
182-O3	Other -Not Specified	0.03	0.01	0.09	0.08	0.02	0.2	--	0.2	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.003	0.03	0.3	0.09	0.08	0.08	0.8	0.2	0.3	0.2	0.004	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
184-H1	House	0.05	0.003	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0004	0.006	0.007	0.003	0.01	--	0.02	0.002	0.05	0.3	0.05	0.06	0.09	0.7	0.2	0.3	0.2	0.006	0.1	0.006	0.007	0.03	0.4	0.06	0.08	0.1
185-A1	Agriculture	0.02	0.009	0.08	0.08	0.01	0.08	--	0.1	0.008	0.003	0.001	0.009	0.009	0.002	0.009	--	0.02	0.0009	0.02	0.3	0.08	0.08	0.08	0.7	0.2	0.3	0.1	0.003	0.1	0.009	0.009	0.03	0.4	0.06	0.08	0.1
185G	Garden	0.05	0.008	0.1	0.1	0.007	0.1	--	0.2	0.004	0.006	0.0009	0.02	0.01	0.0008	0.02	--	0.02	0.0005	0.05	0.3	0.1	0.1	0.07	0.7	0.2	0.3	0.1	0.006	0.1	0.02	0.01	0.02	0.4	0.06	0.08	0.1
185-H1	House	0.02	0.008	0.07	0.09	0.01	0.09	--	0.1	0.008	0.003	0.0009	0.009	0.01	0.001	0.01	--	0.02	0.0009	0.02	0.3	0.07	0.09	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
186-O1	Other -Not Specified	0.05	0.004	0.06	0.1	0.03	0.07	--	0.2	0.03	0.006	0.0005	0.007	0.02	0.004	0.009	--	0.02	0.003	0.05	0.3	0.06	0.1	0.1	0.7	0.2	0.3	0.2	0.006	0.1	0.007	0.02	0.03	0.4	0.06	0.08	0.1
187-H1	House	0.02	0.004	0.07	0.08	0.02	0.1	--	0.1	0.01	0.002	0.0005	0.008	0.009	0.002	0.01	--	0.02	0.002	0.02	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.2	0.002	0.1	0.008	0.009	0.03	0.4	0.06	0.08	0.1
188-A1	Agriculture	0.02	0.008	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001	0.02	0.3	0.09	0.1	0.08	0.8	0.2	0.3	0.2	0.003	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
188-G1	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.01	0.002	0.03	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.2	0.003	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
188-G2	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.03	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.2	0.004	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
188-G3	Garden	0.02	0.006	0.09	0.09	0.01	0.2	--	0.1	0.008	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.01	0.001	0.02	0.3	0.09	0.09	0.07	0.8	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
188-H1	House	0.01	0.01	0.08	0.09	0.007	0.1	--	0.1	0.005	0.002	0.001	0.01	0.01	0.0008	0.02	--	0.01	0.0006	0.01	0.3	0.08	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.01	0.01	0.02	0.4	0.06	0.07	0.1
188-P1	Play Area	0.02	0.005	0.07	0.08	0.008	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.009	0.02	0.4	0.06	0.07	0.1
189-G1	Garden	0.02	0.006	0.08	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.009	0.01	0.0009	0.01	--	0.01	0.0005	0.02	0.3	0.08	0.09	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
189-H1	House	0.02	0.005	0.07	0.08	0.008	0.09	--	0.1	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008	0.02	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.009	0.02	0.4	0.06	0.08	0.1
189-H2	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.001	0.02	0.3	0.07	0.09	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
189-O1	Other -Not Specified	0.04	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001	0.04	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.1	0.005	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
190-G1	Garden	0.009	0.004	0.07	0.08	0.004	0.08	--	0.1	0.002	0.001	0.0005	0.008	0.009	0.0005	0.01	--	0.01	0.0002	0.009	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.001	0.1	0.008	0.009	0.02	0.4	0.06	0.07	0.1
190-H1	House	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.005	0.001	0.0005	0.007	0.008	0.0006	0.01	--	0.008	0.0005	0.01	0.3	0.06	0.07	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.008	0.02	0.4	0.06	0.07	0.1
190-N1	Animal Activity Area	0.01	0.005	0.07	0.09	0.005	0.1	--	0.08	0.003	0.001	0.0005	0.008	0.01	0.0005	0.01	--	0.009	0.0004	0.01	0.3	0.07	0.09	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.008	0.01	0.02	0.4	0.06	0.07	0.1
190-N2	Animal Activity Area	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003	0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
190-N3	Animal Activity Area	0.009	0.004	0.06	0.08	0.003	0.09	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003	0.009	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
190-O1	Other -Not Specified	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009	0.02	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
191-H1	House	0.03	0.007	0.08	0.09	0.03	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.01	0.003	0.01	--	0.02	0.002	0.03	0.3	0.08	0.09	0.09	0.7	0.2	0.3	0.2	0.004	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
192-A1	Agriculture	0.03	0.01	0.08	0.09	0.02	0.09	--	0.1	0.008	0.003	0.001	0.01	0.01	0.002	0.01	--	0.02	0.0009	0.03	0.3	0.08	0.09	0.08	0.7	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
192-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.09	--	0.2	0.007	0.004	0.002	0.01	0.01	0.003	0.01	--	0.02	0.0008	0.04	0.3	0.1	0.1	0.09	0.7	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
192-H1	House	0.02	0.008	0.07	0.08	0.02	0.08	--	0.1	0.007	0.003	0.001	0.008	0.01	0.002	0.009	--	0.01	0.0008	0.02	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.1	0.003	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
193-G1	Garden	0.01	0.003	0.05	0.06	0.003	0.06	--	0.06	0.002	0.001	0.0004	0.006	0.007	0.0003	0.007	--	0.007	0.0002	0.01	0.3	0.05	0.06	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.006	0.007	0.02	0.4	0.06	0.07	0.1
193-H1	House	0.01	0.004	0.06	0.07	0.003	0.07	--	0.07	0.002	0.001	0.0005	0.007	0.008	0.0004	0.008	--	0.008	0.0003	0.01	0.3	0.06	0.07	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.008	0.02	0.4	0.06	0.07	0.1
194-H1	House	0.008	0.004	0.05	0.07	0.003	0.07	--	0.07	0.003	0.0009	0.0004	0.006	0.008	0.0004	0.008	--	0.009	0.0003	0.008	0.3	0.05	0.07	0.07	0.7	0.2	0.2	0.1	0.0009	0.1	0.006	0.008	0.02	0.4	0.06	0.07	0.1
194-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.006	0.09	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0007	0.01	--	0.01	0.0005	0.01	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
195-G1	Garden	0.02	0.004	0.05	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.0008	0.02	0.3	0.05	0.07	0.08	0.7	0.2	0.3	0.1	0.003	0.1	0.006	0.008	0.03	0.4	0.06	0.08	0.1
195-G2	Garden	0.03	0.004	0.06	0.08	0.03	0.2	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.003	0.02	--	0.02	0.002	0.03	0.3	0.06	0.08	0.09	0.8	0.2	0.3	0.2	0.004	0.1	0.007	0.009	0.03	0.4	0.06	0.08	0.1
195-O1	Other -Not Specified	0.03	0.003	0.04	0.06	0.03	0.1	--	0.1	0.02	0.003	0.0003	0.005	0.007	0.003	0.01	--	0.01	0.002	0.03	0.3	0.04	0.06	0.09	0.7	0.2	0.3	0.2	0.003	0.1	0.005	0.007	0.03	0.4	0.06	0.08	0.1
196-A1	Agriculture	0.01	0.005	0.07	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0009	0.01	--	0.01	0.0007	0.01	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.01	0.02	0.4	0.06	0.08	0.1
196-A2	Agriculture	0.02	0.006	0.08	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0007	0.009	0.009	0.001	0.01	--	0.01	0.001	0.02	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.009	0.02	0.4	0.06	0.08	0.1
196-G1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.0008	0.02	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.009	0.02	0.4	0.06	0.08	0.1
196-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.09	0.008	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0009	0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.008	0.02	0.4	0.06	0.07	0.1
197-H1	House	0.02	0.007	0.1	0.1	0.01	0.09	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.001	0.02	0.3	0.1	0.1	0.08	0.7	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
198-G1	Garden	0.03	0.005	0.07	0.08	0.01	0.2	--	0.1	0.008	0.004	0.0006	0.008	0.009	0.001	0.02	--	0.01	0.001	0.03	0.3	0.07	0.08	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.008	0.009	0.03	0.4	0.06	0.08	0.1
198-H1	House	0.03	0.008	0.1	0.1	0.02	0.2	--	0.2	0.01	0.004	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002	0.03	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.2	0.004	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
199-G1	Garden	0.01	0.006	0.09	0.1	0.004	0.1	--	0.1	0.002	0.001	0.0007	0.01	0.01	0.0004	0.01	--	0.01	0.0002	0.01	0.3	0.09	0.1	0.07	0.7	0.2	0.3	0.1	0.001	0.1	0.01	0.01	0.02	0.4	0.06	0.07	0.1
199-O1	Other -Not Specified	0.01	0.006	0.08	0.1	0.005	0.09	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0005	0.01	--	0.01	0.0004	0.01	0.3	0.08	0.1	0.07	0.7	0.2	0.3	0.1	0.001	0.1	0.009	0.01	0.02	0.4	0.06	0.07	0.1
200-G1	Garden	0.04	0.007	0.1	0.1	0.007	0.2	--	0.1	0.005	0.004	0.0008	0.01	0.01	0.0008	0.03	--	0.01	0.0006	0.04	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
200-H1	House	0.03	0.006	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0007	0.01	0.01	0.0007	0.02	--	0.01	0.0004	0.03	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
200-O1	Other -Not Specified	0.04	0.01	0.1	0.1	0.007	0.2	--	0.1	0.004	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0004	0.04	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.005	0.1	0.02	0.02	0.02	0.4	0.06	0.08	0.1

Table 5-29. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sturgeon

		Total HI Across COPCs by Pathway																		Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
201G[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.02	0.3	0.1	0.08	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
201-O1	Other -Not Specified	0.07	0.006	0.09	0.1	0.04	0.1	--	0.2	0.02	0.008	0.0007	0.01	0.01	0.005	0.01	--	0.02	0.003	0.07	0.3	0.09	0.1	0.1	0.7	0.2	0.4	0.2	0.008	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
202-H1	House	0.03	0.004	0.06	0.07	0.01	0.06	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.007	--	0.01	0.001	0.03	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.2	0.003	0.1	0.007	0.008	0.02	0.4	0.06	0.08	0.1
202-N1	Animal Activity Area	0.02	0.004	0.06	0.07	0.007	0.06	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0009	0.007	--	0.01	0.0006	0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.008	0.02	0.4	0.06	0.07	0.1
202-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.07	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.0008	0.009	--	0.01	0.001	0.02	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.008	0.01	0.02	0.4	0.06	0.08	0.1
203-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
203-O1[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
203-O2	Other -Not Specified	0.1	0.004	0.07	0.09	0.07	0.2	--	0.3	0.03	0.02	0.0004	0.008	0.01	0.008	0.02	--	0.04	0.004	0.1	0.3	0.07	0.09	0.1	0.8	0.2	0.5	0.2	0.02	0.1	0.008	0.01	0.03	0.4	0.06	0.1	0.1
203-O3[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
203-O4[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.01	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
205-O1	Other -Not Specified	0.1	0.005	0.07	0.08	0.04	0.06	--	0.3	0.02	0.01	0.0006	0.008	0.01	0.004	0.007	--	0.04	0.003	0.1	0.3	0.07	0.08	0.1	0.7	0.2	0.5	0.2	0.01	0.1	0.008	0.01	0.03	0.4	0.06	0.1	0.1
206-A1	Agriculture	0.03	0.02	0.1	0.1	0.01	0.1	--	0.1	0.01	0.004	0.002	0.01	0.01	0.002	0.02	--	0.02	0.002	0.03	0.3	0.1	0.1	0.08	0.7	0.2	0.3	0.2	0.004	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
206-G1	Garden	0.02	0.007	0.07	0.08	0.007	0.1	--	0.09	0.006	0.002	0.0008	0.009	0.009	0.0008	0.01	--	0.01	0.0007	0.02	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.009	0.02	0.4	0.06	0.07	0.1
206-H1	House	0.009	0.005	0.06	0.08	0.003	0.08	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0003	0.009	--	0.008	0.0003	0.009	0.3	0.06	0.08	0.07	0.7	0.2	0.2	0.1	0.001	0.1	0.007	0.009	0.02	0.4	0.06	0.07	0.1
206-H2	House	0.03	0.04	0.2	0.1	0.03	0.2	--	0.2	0.03	0.004	0.005	0.02	0.01	0.003	0.02	--	0.02	0.003	0.03	0.3	0.2	0.1	0.09	0.8	0.2	0.4	0.2	0.004	0.1	0.02	0.01	0.03	0.4	0.06	0.09	0.1
206-O1	Other -Not Specified	0.06	0.008	0.1	0.1	0.03	0.2	--	0.3	0.02	0.007	0.0009	0.01	0.01	0.004	0.02	--	0.03	0.002	0.06	0.3	0.1	0.1	0.1	0.8	0.2	0.4	0.2	0.007	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
207-O1	Other -Not Specified	0.02	0.003	0.05	0.06	0.01	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.001	0.02	0.3	0.05	0.06	0.08	0.7	0.2	0.3	0.1	0.002	0.1	0.006	0.007	0.03	0.4	0.06	0.08	0.1
208AA	Animal Activity Area	0.04	0.005	0.07	0.07	0.02	0.09	--	0.1	0.01	0.005	0.0005	0.008	0.008	0.002	0.01	--	0.02	0.002	0.04	0.3	0.07	0.07	0.08	0.7	0.2	0.3	0.2	0.005	0.1	0.008	0.008	0.03	0.4	0.06	0.08	0.1
208BM	House	0.05	0.007	0.1	0.1	0.01	0.1	--	0.2	0.009	0.006	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001	0.05	0.3	0.1	0.1	0.07	0.7	0.2	0.3	0.1	0.006	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
208G	Garden	0.05	0.008	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.02	0.01	0.001	0.02	--	0.02	0.001	0.05	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.006	0.1	0.02	0.01	0.02	0.4	0.06	0.08	0.1
208-H1	House	0.07	0.004	0.07	0.07	0.03	0.2	--	0.2	0.02	0.009	0.0005	0.008	0.009	0.004	0.02	--	0.02	0.002	0.07	0.3	0.07	0.07	0.09	0.8	0.2	0.4	0.2	0.009	0.1	0.008	0.009	0.03	0.4	0.06	0.09	0.1
209A	Agriculture	0.04	0.006	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001	0.04	0.3	0.1	0.09	0.08	0.7	0.2	0.3	0.2	0.005	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
209-G1	Garden	0.05	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.003	0.05	0.3	0.07	0.08	0.09	0.8	0.2	0.4	0.2	0.006	0.1	0.008	0.009	0.03	0.4	0.06	0.09	0.1
209-H1	House	0.09	0.005	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004	0.09	0.3	0.08	0.09	0.1	0.8	0.2	0.4	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
209-P1	Play Area	0.1	0.005	0.08	0.09	0.04	0.2	--	0.3	0.04	0.01	0.0006	0.01	0.01	0.005	0.02	--	0.03	0.005	0.1	0.3	0.08	0.09	0.1	0.8	0.2	0.5	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.1	0.1
210-H1	House	0.04	0.005	0.06	0.08	0.009	0.09	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001	0.04	0.3	0.06	0.08	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.007	0.009	0.02	0.4	0.06	0.08	0.1
210-O1	Other -Not Specified	0.04	0.004	0.05	0.07	0.01	0.09	--	0.1	0.01	0.004	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.001	0.04	0.3	0.05	0.07	0.08	0.7	0.2	0.3	0.1	0.004	0.1	0.005	0.008	0.03	0.4	0.06	0.08	0.1
211-A1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001	0.02	0.3	0.07	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.008	0.009	0.02	0.4	0.06	0.08	0.1
211-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.004	0.003	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0005	0.02	0.3	0.08	0.09	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
211-G2	Garden	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0006	0.03	0.3	0.08	0.09	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
211-H1	House	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.009	0.002	0.0006	0.009	0.009	0.0009	0.01	--	0.01	0.001	0.02	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.009	0.02	0.4	0.06	0.08	0.1
211-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.02	0.002	0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.2	0.003	0.1	0.007	0.008	0.02	0.4	0.06	0.08	0.1
212-H1	House	0.03	0.005	0.08	0.2	0.03	0.08	--	0.2	0.02	0.003	0.0006	0.009	0.02	0.004	0.009	--	0.02	0.003	0.03	0.3	0.08	0.2	0.09	0.7	0.2	0.3	0.2	0.003	0.1	0.009	0.02	0.03	0.4	0.06	0.08	0.1
212-H2	House	0.03	0.004	0.06	0.1	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.002	0.007	--	0.01	0.002	0.03	0.3	0.06	0.1	0.08	0.7	0.2	0.3	0.2	0.004	0.1	0.007	0.01	0.03	0.4	0.06	0.08	0.1
213-O1	Other -Not Specified	0.04	0.009	0.1	0.1	0.006	0.2	--	0.1	0.004	0.005	0.001	0.01	0.01	0.0007	0.02	--	0.01	0.0004	0.04	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.005	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
213-O2	Other -Not Specified	0.05	0.007	0.1	0.09	0.01	0.2	--	0.2	0.006	0.006	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.05	0.3	0.1	0.09	0.08	0.8	0.2	0.4	0.1	0.006	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
213-O3	Other -Not Specified	0.04	0.007	0.1	0.1	0.008	0.1	--	0.1	0.004	0.004	0.0008	0.01	0.02	0.001	0.01	--	0.02	0.0005	0.04	0.3	0.1	0.1	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.01	0.02	0.02	0.4	0.06	0.08	0.1
21G	Garden	0.07	0.005	0.07	0.07	0.04	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.009	0.005	0.02	--	0.02	0.003	0.07	0.3	0.07	0.07	0.1	0.7	0.2	0.4	0.2	0.008	0.1	0.008	0.009	0.03	0.4	0.06	0.09	0.1
226C	House	0.07	0.004	0.05	0.06	0.04	0.08	--	0.3	0.02	0.008	0.0004	0.006	0.007	0.005	0.009	--	0.03	0.002	0.07	0.3	0.05	0.06	0.1	0.7	0.2	0.4	0.2	0.008	0.1	0.006	0.007	0.03	0.4	0.06	0.09	0.1
230G	Garden	0.02	0.005	0.07	0.07	0.008	0.07	--	0.1	0.004	0.003	0.0006	0.008	0.009	0.001	0.008	--	0.01	0.0005	0.02	0.3	0.07	0.07	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.008	0.009	0.02	0.4	0.06	0.08	0.1
231Lower	Other -Not Specified	0.05	0.005	0.07	0.08	0.01	0.09	--	0.2	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001	0.05	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.1	0.006	0.1	0.008	0.009	0.03	0.4	0.06	0.08	0.1
238G	Garden	0.02	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.008	0.0005	0.009	--	0.01	0.0005	0.02	0.3	0.06	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.007	0.008	0.02	0.4	0.06	0.07	0.1
238M	Other -Not Specified	0.02	0.005	0.07	0.07	0.003	0.07	--	0.09	0.003	0.002	0.0006	0.008	0.009	0.0004	0.008	--	0.01	0.0004	0.02	0.3	0.07	0.07	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.008	0.009	0.02	0.4	0.06	0.07	0.1
280yard	House	0.05	0.006	0.1	0.09	0.03	0.2	--	0.2	0.02	0.006	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.003	0.05	0.3	0.1	0.09	0.09	0.8	0.2	0.3	0.2	0.006	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
284M	House	0.03	0.005	0.08	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.001	0.03	0.3	0.08	0.08	0.08	0.7	0.2	0.3	0.1	0.003	0.1	0.009	0.009	0.03	0.4	0.06	0.08	0.1
285M	Other -Not Specified	0.04	0.005	0.09	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.01	0.009	0.002	0.01	--	0.02	0.001	0.04	0.3	0.09	0.08	0.08	0.7	0.2	0.3	0.2	0.005	0.1	0.01	0.009	0.03	0.4	0.06	0.08	0.1
288G1	Garden	0.03	0.006	0.08	0.08	0.008	0.08	--	0.1	0.006	0.003	0.0007	0.009	0.009	0.0009	0.009	--	0.01	0.0007	0.03	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.009	0.009	0.02	0.4	0.06	0.08	0.1
288G2	Garden	0.02	0.007	0.08	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0008	0.009	0.01	0.0008	0.009	--	0.01	0.0005	0.02	0.3	0.08	0.08	0.07	0.7	0.2	0.3	0.1	0.002	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
289G3	Garden	0.02	0.005	0.07	0.07	0.007	0.07	--	0.1	0.006	0.003	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0007	0.02	0.3	0.07	0.07	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.008	0.008	0.02	0.4	0.06	0.08	0.1
317M	Play Area	0.1	0.006	0.1	0.1	0.04	0.1	--	0.4	0.05	0.02	0.0008	0.01	0.01	0.005	0.01	--	0.04	0.005	0.1	0.3	0.1	0.1	0.1	0.7	0.2	0.5	0.2	0.02	0.1	0.01	0.01	0.03	0.4	0.06	0.1	0.1
319M[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.02	0.3	0.1	0.08	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
320new	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.03	0.01	0.0008	0.01	0.01	0.004	0.01	--	0.03	0.003	0.09	0.3	0.1	0.1	0.1	0.7	0.2	0.4	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
35PA[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.02	0.3	0.1	0.08	0.07	0.7	0.2	0.2	0.1	0.003	0.1	0.01	0.009	0.02	0.4	0.06	0.07	0.1
59A	House	0.09	0.004	0.05	0.06	0.04	0.1	--	0.2	0.03	0.01	0.0004	0.006	0.007	0.004	0.01	--	0.02	0.003	0.09	0.3	0.05	0.06	0.1	0.7	0.2	0.4	0.2	0.01	0.1	0.006	0.007	0.03	0.4	0.06	0.09	0.1
62G	Garden	0.04	0.006	0.09	0.1	0.007	0.1	--	0.1	0.006	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.04	0.3	0.09	0.1	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
72M	Agriculture	0.07	0.008	0.09	0.09	0.03	0.1	--	0.2	0.02	0.008	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002	0.07	0.3	0.09	0.09	0.09	0.7	0.2	0.3	0.2	0.008	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
72U	Other -Not Specified	0.05	0.01	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.1	0.006	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
94M	Agriculture	0.03	0.006	0.1	0.1	0.008	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.01	0.0009	0.01	--	0.02	0.0007	0.03	0.3	0.1	0.1	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
999G1	Garden	0.04	0.008	0.09	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.0009	0.04	0.3	0.09	0.08	0.07	0.7	0.2	0.3	0.1	0.005	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
999M1	House	0.03	0.007	0.1	0.1	0.008	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.01	0.0009	0.02	--	0.01	0.0008	0.03	0.3	0.1	0.1	0.07	0.7	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
999M2	Garden	0.03	0.009	0.1	0.1	0.005	0.1	--	0.1	0.004	0.003	0.001	0.02	0.01	0.0006	0.02	--	0.01	0.0005	0.03	0.3	0.1	0.1	0.07	0.7	0.2	0.3	0.1	0.003	0.1	0.02	0.01	0.02	0.4	0.06	0.08	0.1
999M3	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.05	0.3	0.2	0.2	0.08	0.9	0.2	0.4	0.2	0.006	0.1	0.02	0.02	0.03	0.4	0.06	0.09	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-30. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	
		Child									**Adult**										**Child**									**Adult**									
Indoor Air		--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																			
Outdoor Air		--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02		**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exeed benchmark[c] when risk is summed across pathways:**									
Fish (Sucker)		0.01	0.8	0.008	0.03	0.02	0.9	0.6	0.4	--	0.005	0.3	0.003	0.01	0.009	0.3	0.2	0.1	--																			
Residential Soil/Dust[a]		**Number of DUs that exceed benchmark[c] for Soil/Dust:**									**Number of DUs that exceed benchmark[c] for Soil/Dust:**																													
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
9	Agriculture	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009	0.06	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
13	Other -Not Specified	0.05	0.005	0.09	0.09	0.01	0.2	--	0.1	0.008	0.006	0.0006	0.01	0.01	0.001	0.02	--	0.02	0.0009	0.06	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
14	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.008	0.005	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0009	0.06	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
15	House	0.04	0.005	0.08	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0006	0.009	0.009	0.001	0.01	--	0.02	0.001	0.05	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
16	Other -Not Specified	0.08	0.005	0.1	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004	0.09	0.8	0.1	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
17	Other -Not Specified	0.04	0.007	0.09	0.09	0.02	0.1	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
18[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
20[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
21	House	0.03	0.006	0.08	0.08	0.01	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.009	0.001	0.01	--	0.01	0.0008	0.04	0.8	0.09	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
22	House	0.07	0.005	0.08	0.08	0.01	0.1	--	0.2	0.01	0.008	0.0005	0.009	0.009	0.002	0.01	--	0.02	0.001	0.08	0.8	0.08	0.1	0.04	1	0.6	0.6	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
25	House	0.03	0.005	0.09	0.09	0.007	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.0009	0.01	--	0.01	0.0005	0.04	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
27	Other -Not Specified	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
28	Garden	0.02	0.006	0.08	0.08	0.004	0.1	--	0.08	0.003	0.002	0.0006	0.01	0.009	0.0005	0.01	--	0.01	0.0003	0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
29	Other -Not Specified	0.02	0.005	0.08	0.08	0.007	0.09	--	0.09	0.004	0.003	0.0006	0.009	0.009	0.0008	0.01	--	0.01	0.0004	0.04	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
30	Other -Not Specified	0.04	0.007	0.1	0.09	0.007	0.1	--	0.1	0.004	0.005	0.0008	0.01	0.01	0.0008	0.02	--	0.01	0.0005	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
31	Other -Not Specified	0.06	0.006	0.1	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002	0.07	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
33	House	0.05	0.005	0.07	0.07	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.009	0.003	0.02	--	0.02	0.002	0.06	0.8	0.08	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
35[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
39[b]	Agriculture	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
40[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
42	House	0.02	0.004	0.05	0.07	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.001	0.04	0.8	0.06	0.1	0.04	1	0.6	0.5	0.2	0.007	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
44	Agriculture	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.04	0.8	0.06	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
46	Other -Not Specified	0.04	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.002	0.05	0.8	0.07	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
47	Agriculture	0.03	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0005	0.008	0.01	0.003	0.01	--	0.02	0.002	0.05	0.8	0.08	0.1	0.05	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
49[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
55	House	0.02	0.006	0.08	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0007	0.009	0.01	0.0007	0.01	--	0.01	0.0007	0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
56	Other -Not Specified	0.04	0.006	0.1	0.1	0.02	0.1	--	0.2	0.02	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
58	Agriculture	0.02	0.006	0.08	0.08	0.009	0.1	--	0.1	0.006	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0007	0.04	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
59	House	0.04	0.003	0.04	0.05	0.03	0.09	--	0.1	0.02	0.005	0.0003	0.005	0.006	0.003	0.01	--	0.02	0.002	0.05	0.8	0.05	0.08	0.05	1	0.6	0.5	0.2	0.009	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
60	Garden	0.03	0.005	0.06	0.07	0.008	0.1	--	0.1	0.005	0.003	0.0006	0.007	0.008	0.0009	0.01	--	0.01	0.0006	0.04	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
61	House	0.04	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.005	0.0004	0.006	0.008	0.002	0.01	--	0.02	0.001	0.05	0.8	0.06	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
62	House	0.04	0.006	0.09	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
66	Other -Not Specified	0.05	0.005	0.07	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.001	0.06	0.8	0.08	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
67	Garden	0.05	0.005	0.08	0.08	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002	0.07	0.8	0.08	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
70	House	0.06	0.008	0.09	0.09	0.02	0.1	--	0.2	0.02	0.007	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.002	0.07	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
71	Garden	0.06	0.009	0.1	0.09	0.02	0.1	--	0.1	0.01	0.007	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.08	0.8	0.1	0.1	0.04	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
72	Garden	0.06	0.01	0.1	0.1	0.02	0.1	--	0.2	0.02	0.007	0.001	0.02	0.01	0.003	0.01	--	0.02	0.003	0.07	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
75	House	0.06	0.005	0.08	0.08	0.06	0.2	--	0.2	0.04	0.007	0.0005	0.01	0.01	0.007	0.02	--	0.03	0.004	0.07	0.8	0.09	0.1	0.09	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.02	0.6	0.2	0.2	0.1
82	House	0.03	0.006	0.1	0.1	0.007	0.1	--	0.1	0.005	0.004	0.0007	0.01	0.01	0.0008	0.02	--	0.01	0.0006	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
85	House	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.004	0.002	0.0006	0.008	0.008	0.0005	0.008	--	0.01	0.0005	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
86	Agriculture	0.03	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
87	Agriculture	0.02	0.005	0.07	0.07	0.009	0.08	--	0.1	0.008	0.003	0.0005	0.008	0.008	0.001	0.009	--	0.01	0.001	0.04	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
106	House	0.1	0.005	0.06	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0005	0.007	0.009	0.004	0.02	--	0.03	0.002	0.1	0.8	0.07	0.1	0.06	1	0.6	0.6	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
107	Garden	0.07	0.006	0.08	0.09	0.03	0.2	--	0.2	0.01	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.02	0.002	0.08	0.8	0.09	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
108	Garden	0.09	0.008	0.07	0.08	0.02	0.1	--	0.2	0.01	0.01	0.0009	0.009	0.01	0.002	0.02	--	0.02	0.002	0.1	0.8	0.08	0.1	0.04	1	0.6	0.6	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
109[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
110	House	0.03	0.004	0.05	0.06	0.008	0.1	--	0.1	0.007	0.004	0.0005	0.006	0.007	0.001	0.01	--	0.01	0.0008	0.05	0.8	0.06	0.09	0.03	1	0.6	0.5	0.1	0.008	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
111	Other -Not Specified	0.03	0.004	0.06	0.06	0.008	0.1	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.001	0.01	--	0.01	0.0007	0.04	0.8	0.06	0.09	0.03	1	0.6	0.5	0.1	0.008	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
112	House	0.1	0.005	0.08	0.07	0.04	0.2	--	0.3	0.04	0.02	0.0006	0.009	0.009	0.005	0.02	--	0.03	0.004	0.2	0.8	0.09	0.1	0.07	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
121	House	0.04	0.008	0.2	0.1	0.01	0.2	--	0.2	0.02	0.005	0.001	0.02	0.01	0.001	0.03	--	0.02	0.002	0.06	0.8	0.2	0.2	0.04	1	0.6	0.6	0.2	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
122	Other -Not Specified	0.06	0.008	0.1	0.1	0.009	0.2	--	0.2	0.007	0.007	0.001	0.02	0.01	0.001	0.02	--	0.02	0.0008	0.07	0.8	0.1	0.1	0.03	1	0.6	0.6	0.1	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
123	House	0.06	0.005	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.0006	0.01	0.009	0.004	0.02	--	0.03	0.003	0.08	0.8	0.09	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
135	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.001	0.04	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
146	House	0.04	0.005	0.08	0.09	0.006	0.1	--	0.1	0.008	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.02	0.0009	0.05	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
147	Garden	0.02	0.005	0.06	0.07	0.005	0.09	--	0.09	0.004	0.003	0.0006	0.007	0.008	0.0005	0.01	--	0.01	0.0004	0.04	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
151[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
152	Other -Not Specified	0.04	0.007	0.1	0.09	0.01	0.1	--	0.2	0.02	0.005	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002	0.05	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
154	House	0.02	0.003	0.04	0.05	0.005	0.06	--	0.06	0.005	0.002	0.0004	0.005	0.006	0.0006	0.007	--	0.007	0.0006	0.03	0.8	0.05	0.09	0.03	1	0.6	0.5	0.1	0.007	0.3	0.008	0.02	0.009	0.6	0.2	0.2	0.1
160	House	0.05	0.006	0.08	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.009	0.001	0.02	--	0.02	0.001	0.06	0.8	0.09	0.1	0.04	1	0.6	0.5	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
163	House	0.06	0.005	0.07	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001	0.07	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1

Table 5-30. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
164	Agriculture	0.05	0.006	0.09	0.09	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.06	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
167	Agriculture	0.03	0.004	0.06	0.06	0.005	0.08	--	0.1	0.006	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0007	0.04	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
168	House	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.08	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
169	Other -Not Specified	0.06	0.006	0.08	0.08	0.03	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.009	0.004	0.02	--	0.02	0.002	0.07	0.8	0.09	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
170[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.8	0.07	0.1	0.03	1	0.6	0.4	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
175	Other -Not Specified	0.05	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.06	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
177	Agriculture	0.07	0.004	0.05	0.06	0.01	0.1	--	0.2	0.01	0.008	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002	0.08	0.8	0.06	0.1	0.04	1	0.6	0.5	0.2	0.01	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
185	House	0.07	0.007	0.1	0.1	0.02	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002	0.08	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
186	House	0.05	0.005	0.08	0.07	0.02	0.09	--	0.2	0.02	0.006	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.002	0.06	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
189	House	0.07	0.007	0.09	0.09	0.01	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.08	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
192	House	0.05	0.009	0.1	0.1	0.02	0.1	--	0.2	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002	0.07	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
193	House	0.05	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.005	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.001	0.06	0.8	0.07	0.1	0.05	1	0.6	0.6	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
194[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
196[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
201	House	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009	0.06	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
203[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
206	House	0.04	0.005	0.08	0.07	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.001	0.05	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
208	Other -Not Specified	0.05	0.006	0.1	0.09	0.04	0.1	--	0.2	0.01	0.006	0.0007	0.01	0.01	0.005	0.02	--	0.02	0.002	0.07	0.8	0.1	0.1	0.07	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
213	Other -Not Specified	0.09	0.005	0.07	0.07	0.04	0.1	--	0.2	0.03	0.01	0.0006	0.008	0.009	0.004	0.02	--	0.03	0.003	0.1	0.8	0.08	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
216	House	0.07	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	0.0004	0.008	0.009	0.004	0.02	--	0.02	0.002	0.08	0.8	0.07	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
218[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
229	Play Area	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.003	0.002	0.0005	0.008	0.008	0.0005	0.008	--	0.01	0.0003	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
231	House	0.06	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.001	0.07	0.8	0.07	0.1	0.04	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
246	Play Area	0.01	0.005	0.06	0.06	0.004	0.06	--	0.07	0.003	0.002	0.0005	0.007	0.007	0.0004	0.006	--	0.008	0.0004	0.03	0.8	0.07	0.09	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
249	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.09	--	0.1	0.006	0.004	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.0007	0.04	0.8	0.06	0.09	0.03	1	0.6	0.5	0.1	0.008	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
250	House	0.05	0.004	0.06	0.06	0.01	0.1	--	0.1	0.008	0.005	0.0004	0.007	0.007	0.002	0.01	--	0.01	0.0009	0.06	0.8	0.06	0.09	0.04	1	0.6	0.5	0.1	0.01	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
253	House	0.03	0.004	0.06	0.07	0.008	0.07	--	0.1	0.009	0.003	0.0005	0.007	0.008	0.001	0.008	--	0.01	0.001	0.04	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
280	Other -Not Specified	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.003	0.08	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
287	Agriculture	0.03	0.004	0.08	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0005	0.009	0.009	0.003	0.02	--	0.02	0.002	0.05	0.8	0.09	0.1	0.05	1	0.6	0.6	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
288	House	0.02	0.005	0.07	0.07	0.006	0.07	--	0.09	0.006	0.002	0.0006	0.008	0.008	0.0007	0.008	--	0.01	0.0007	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
291	Agriculture	0.02	0.004	0.05	0.06	0.007	0.06	--	0.1	0.006	0.002	0.0005	0.006	0.007	0.0009	0.007	--	0.01	0.0007	0.03	0.8	0.06	0.09	0.03	1	0.6	0.5	0.1	0.007	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
306	Other -Not Specified	0.03	0.004	0.06	0.06	0.007	0.07	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.0009	0.008	--	0.01	0.0007	0.04	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
315	House	0.02	0.007	0.08	0.08	0.004	0.09	--	0.1	0.003	0.003	0.0008	0.01	0.01	0.0005	0.01	--	0.01	0.0003	0.04	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
316	Other -Not Specified	0.03	0.006	0.09	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.002	0.02	--	0.01	0.001	0.04	0.8	0.1	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
317	House	0.08	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.009	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.002	0.09	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
318	Other -Not Specified	0.1	0.006	0.1	0.09	0.03	0.1	--	0.3	0.04	0.01	0.0007	0.01	0.01	0.004	0.01	--	0.03	0.005	0.1	0.8	0.1	0.1	0.06	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
319	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.05	0.01	0.0008	0.01	0.01	0.005	0.02	--	0.04	0.006	0.1	0.8	0.1	0.1	0.06	1	0.6	0.7	0.2	0.02	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
325	Garden	0.03	0.005	0.07	0.07	0.005	0.08	--	0.09	0.003	0.003	0.0006	0.008	0.008	0.0006	0.01	--	0.01	0.0004	0.04	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
326	Other -Not Specified	0.02	0.005	0.06	0.07	0.006	0.06	--	0.1	0.005	0.002	0.0005	0.007	0.008	0.0007	0.007	--	0.01	0.0006	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
327	Other -Not Specified	0.02	0.004	0.05	0.06	0.005	0.05	--	0.09	0.004	0.002	0.0005	0.006	0.008	0.0005	0.006	--	0.01	0.0004	0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.009	0.02	0.009	0.6	0.2	0.2	0.1
345	Play Area	0.03	0.006	0.1	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001	0.04	0.8	0.1	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
346	Garden	0.05	0.007	0.1	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002	0.07	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
347	Other -Not Specified	0.05	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.006	0.0005	0.009	0.008	0.003	0.01	--	0.02	0.003	0.06	0.8	0.08	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
801	Other -Not Specified	0.06	0.003	0.05	0.09	0.03	0.05	--	0.2	0.02	0.007	0.0004	0.005	0.01	0.003	0.006	--	0.02	0.002	0.07	0.8	0.05	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
1001	Other -Not Specified	0.08	0.004	0.05	0.1	0.04	0.05	--	0.2	0.03	0.009	0.0004	0.006	0.01	0.004	0.006	--	0.03	0.003	0.09	0.8	0.06	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
1005	Garden	0.04	0.006	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0008	0.009	0.01	0.002	0.01	--	0.02	0.001	0.05	0.8	0.09	0.1	0.04	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
1006	House	0.03	0.008	0.08	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.0009	0.04	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
1007	Garden	0.02	0.009	0.08	0.08	0.007	0.1	--	0.1	0.005	0.003	0.001	0.009	0.01	0.0008	0.01	--	0.01	0.0006	0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
1008	Agriculture	0.02	0.009	0.06	0.07	0.01	0.08	--	0.1	0.01	0.003	0.001	0.007	0.008	0.001	0.01	--	0.01	0.001	0.04	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
1010	Agriculture	0.03	0.008	0.06	0.07	0.02	0.09	--	0.1	0.01	0.004	0.0009	0.007	0.008	0.002	0.01	--	0.01	0.001	0.04	0.8	0.07	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
1011	Agriculture	0.04	0.005	0.04	0.05	0.02	0.06	--	0.1	0.01	0.005	0.0005	0.005	0.005	0.002	0.007	--	0.01	0.002	0.05	0.8	0.05	0.08	0.04	1	0.6	0.5	0.2	0.01	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
1015	Garden	0.02	0.005	0.08	0.09	0.006	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0005	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
1017	Garden	0.03	0.003	0.05	0.07	0.01	0.09	--	0.1	0.008	0.003	0.0004	0.006	0.008	0.001	0.01	--	0.01	0.001	0.04	0.8	0.06	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
1018	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.08	0.004	0.002	0.0004	0.007	0.009	0.0008	0.01	--	0.01	0.0005	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
1020	Garden	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.001	0.05	0.8	0.07	0.1	0.04	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
1021[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
1030[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.8	0.07	0.1	0.03	1	0.6	0.4	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
1035	Garden	0.05	0.009	0.1	0.09	0.01	0.2	--	0.2	0.01	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.8	0.1	0.1	0.04	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
1036	Play Area	0.03	0.006	0.09	0.09	0.009	0.1	--	0.1	0.007	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.0008	0.04	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
1037	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.8	0.09	0.1	0.04	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
1060	House	0.03	0.005	0.07	0.07	0.01	0.09	--	0.1	0.01	0.003	0.0005	0.008	0.008	0.001	0.01	--	0.01	0.001	0.04	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
3000	House	0.01	0.005	0.06	0.07	0.003	0.06	--	0.08	0.002	0.002	0.0005	0.007	0.009	0.0004	0.007	--	0.009	0.0003	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
3001	Garden	0.08	0.01	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.001	0.02	0.02	0.004	0.02	--	0.03	0.002	0.1	0.8	0.2	0.2	0.05	1	0.6	0.7	0.2	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
3003	Other -Not Specified	0.1	0.007	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.0009	0.01	0.01	0.003	0.01	--	0.03	0.003	0.1	0.8	0.1	0.2	0.05	1	0.6	0.6	0.2	0.02	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
3004	House	0.03	0.005	0.07	0.07	0.01	0.1	--	0.1	0.006	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0007	0.04	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
075-A1	Agriculture	0.02	0.006	0.08	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0007	0.009	0.01	0.001	0.01	--	0.01	0.001	0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1

Table 5-30. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	
		Child									Adult										Child									Adult									
DU	DU Type																																						
075-H1	House	0.03	0.005	0.07	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.002	0.02	--	0.02	0.002		0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
075-O1	Other -Not Specified	0.03	0.005	0.06	0.2	0.02	0.08	--	0.2	0.02	0.004	0.0006	0.008	0.02	0.003	0.01	--	0.02	0.003		0.05	0.8	0.07	0.2	0.05	1	0.6	0.6	0.2	0.009	0.3	0.01	0.03	0.01	0.6	0.2	0.2	0.1
076-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.04	0.8	0.1	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
076-G2	Garden	0.05	0.007	0.09	0.1	0.02	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.06	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
076-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.001	0.03	--	0.02	0.002		0.04	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
076-H2	House	0.04	0.006	0.09	0.09	0.01	0.2	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.05	0.8	0.1	0.1	0.04	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
076-N1	Animal Activity Area	0.04	0.007	0.1	0.1	0.03	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.001		0.05	0.8	0.1	0.1	0.05	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
077-A1	Agriculture	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.006	0.008	0.0004	0.009	--	0.008	0.0003		0.02	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.009	0.6	0.2	0.2	0.1
077-A2	Agriculture	0.009	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.009	--	0.008	0.0004		0.02	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.009	0.6	0.2	0.2	0.1
077-G1	Garden	0.01	0.004	0.06	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003		0.02	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
077-H1	House	0.01	0.004	0.05	0.06	0.004	0.07	--	0.07	0.003	0.001	0.0004	0.006	0.007	0.0004	0.008	--	0.008	0.0004		0.02	0.8	0.06	0.09	0.03	1	0.6	0.5	0.1	0.006	0.3	0.008	0.02	0.009	0.6	0.2	0.2	0.1
077-H2	House	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0005	0.009	--	0.008	0.0004		0.02	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.009	0.6	0.2	0.2	0.1
077-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.008	0.0005	0.009	--	0.009	0.0004		0.02	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
078-G1	Garden	0.01	0.004	0.05	0.07	0.003	0.09	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0004	0.01	--	0.008	0.0005		0.02	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.009	0.6	0.2	0.2	0.1
078-H1	House	0.007	0.003	0.04	0.06	0.002	0.06	--	0.06	0.003	0.0009	0.0004	0.005	0.007	0.0002	0.007	--	0.006	0.0003		0.02	0.8	0.05	0.09	0.03	1	0.6	0.4	0.1	0.005	0.3	0.008	0.02	0.009	0.6	0.2	0.2	0.1
078-N1	Animal Activity Area	0.01	0.004	0.05	0.06	0.003	0.07	--	0.06	0.003	0.001	0.0005	0.006	0.007	0.0003	0.008	--	0.007	0.0003		0.02	0.8	0.06	0.09	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.009	0.6	0.2	0.2	0.1
078-O1	Other -Not Specified	0.009	0.004	0.06	0.07	0.002	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0003	0.01	--	0.008	0.0004		0.02	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.009	0.6	0.2	0.2	0.1
079-H1	House	0.03	0.005	0.06	0.09	0.009	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.001		0.04	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
079-H2	House	0.04	0.007	0.07	0.08	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.008	0.009	0.002	0.02	--	0.02	0.001		0.05	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
080-H1	House	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.004	0.004	0.001	0.02	0.01	0.0005	0.02	--	0.02	0.0004		0.04	0.8	0.2	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.02	0.02	0.009	0.6	0.2	0.2	0.1
081-A1	Agriculture	0.02	0.005	0.08	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0006		0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
081-H1	House	0.02	0.007	0.1	0.1	0.006	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.0007	0.01	--	0.01	0.001		0.04	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
081-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.02	0.003	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002		0.04	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
082-G1	Garden	0.01	0.004	0.06	0.07	0.003	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.008	0.0004	0.01	--	0.009	0.0003		0.02	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.009	0.6	0.2	0.2	0.1
082-G2	Garden	0.02	0.004	0.06	0.07	0.005	0.1	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006		0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
082-H1	House	0.01	0.004	0.05	0.07	0.004	0.09	--	0.08	0.004	0.001	0.0004	0.006	0.008	0.0004	0.01	--	0.009	0.0005		0.02	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.009	0.6	0.2	0.2	0.1
082-N1	Animal Activity Area	0.01	0.004	0.05	0.07	0.004	0.1	--	0.08	0.004	0.002	0.0005	0.006	0.008	0.0005	0.01	--	0.009	0.0005		0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.009	0.6	0.2	0.2	0.1
082-N2	Animal Activity Area	0.02	0.004	0.06	0.07	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006		0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
083-G1	Garden	0.02	0.005	0.08	0.09	0.005	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0006		0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
083-G2	Garden	0.02	0.005	0.07	0.08	0.005	0.1	--	0.09	0.004	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0005		0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
083-H1	House	0.02	0.005	0.07	0.08	0.006	0.09	--	0.09	0.007	0.002	0.0006	0.009	0.009	0.0007	0.01	--	0.01	0.0008		0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
084-H1	House	0.01	0.005	0.07	0.09	0.005	0.1	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0004		0.02	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
085-H1	House	0.02	0.004	0.06	0.07	0.008	0.1	--	0.09	0.007	0.002	0.0005	0.007	0.008	0.0009	0.01	--	0.01	0.0008		0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
085-O1	Other -Not Specified	0.03	0.006	0.1	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.009	0.002	0.02	--	0.01	0.001		0.04	0.8	0.1	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
085-P1	Play Area	0.05	0.008	0.09	0.09	0.02	0.2	--	0.2	0.02	0.006	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002		0.07	0.8	0.09	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
086-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.009	0.001	0.02	--	0.01	0.0009		0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
086-H1	House	0.02	0.003	0.06	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.01	0.001	0.02	--	0.01	0.0008		0.04	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
086-H2	House	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001		0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
087-H1	House	0.02	0.003	0.06	0.07	0.008	0.1	--	0.09	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007		0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
087-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001		0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
088-H1	House	0.06	0.005	0.08	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.003		0.07	0.8	0.09	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
088-H2	House	0.04	0.004	0.06	0.07	0.01	0.1	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.002	0.01	--	0.02	0.002		0.05	0.8	0.07	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
088-O1	Other -Not Specified	0.05	0.004	0.07	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002		0.06	0.8	0.08	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
089-A1	Agriculture	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.008	0.004	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.0009		0.04	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
089-H1	House	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.001		0.04	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
089-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0008		0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
090-H1	House	0.01	0.005	0.06	0.08	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.007	0.009	0.001	0.01	--	0.01	0.0009		0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
090-O2	Other -Not Specified	0.01	0.007	0.09	0.1	0.01	0.2	--	0.1	0.007	0.002	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0008		0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
091-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.1	--	0.1	0.009	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.001		0.04	0.8	0.1	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
091-H1	House	0.03	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0008		0.04	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
092-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.07	--	0.1	0.02	0.002	0.0005	0.006	0.007	0.002	0.009	--	0.02	0.002		0.03	0.8	0.06	0.09	0.04	1	0.6	0.5	0.2	0.007	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
092-O2	Other -Not Specified	0.02	0.004	0.05	0.06	0.01	0.08	--	0.1	0.01	0.003	0.0005	0.006	0.007	0.002	0.009	--	0.01	0.001		0.03	0.8	0.06	0.09	0.04	1	0.6	0.5	0.1	0.007	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
093-H1	House	0.03	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.003	0.0004	0.007	0.009	0.001	0.01	--	0.01	0.0007		0.04	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
094-H1	House	0.03	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.02	--	0.01	0.0009		0.04	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
094-P1	Play Area	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001		0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
095-A1	Agriculture	0.04	0.004	0.06	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0004	0.007	0.01	0.003	0.02	--	0.02	0.002		0.05	0.8	0.07	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
095-H1	House	0.04	0.005	0.07	0.1	0.02	0.2	--	0.2	0.01	0.005	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002		0.05	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
095-O1	Other -Not Specified	0.04	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002		0.05	0.8	0.07	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
095-O2	Other -Not Specified	0.05	0.005	0.07	0.1	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.002		0.06	0.8	0.07	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
096-H1	House	0.04	0.006	0.08	0.09	0.02	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002		0.05	0.8	0.09	0.1	0.05	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
096-O1	Other -Not Specified	0.07	0.006	0.08	0.1	0.02	0.2	--	0.2	0.03	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003		0.08	0.8	0.09	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
097-H1	House	0.02	0.005	0.07	0.09	0.01	0.09	--	0.2	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001		0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
097-H2	House	0.02	0.005	0.06	0.08	0.008	0.07	--	0.2	0.01	0.002	0.0006	0.008	0.01	0.0009	0.009	--	0.02	0.001		0.03	0.8	0.07	0.1	0.03	1	0.6	0.6	0.2	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
098-G1	Garden	0.01	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.01	--	0.009	0.0003		0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
098-H1	House	0.008	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.009	--	0.009	0.0004		0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
098-O1	Other -Not Specified	0.008	0.004	0.06	0.09	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.007	0.01	0.0004	0.009	--	0.009	0.0003		0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
099-A1	Agriculture	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009		0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1

Table 5-30. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
099-G2	Garden	0.02	0.004	0.05	0.07	0.009	0.1	--	0.09	0.007	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.0008	0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
099-H1	House	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.007	0.002	0.01	--	0.01	0.002	0.03	0.8	0.06	0.09	0.04	1	0.6	0.5	0.2	0.007	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
099-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002	0.03	0.8	0.06	0.09	0.04	1	0.6	0.5	0.2	0.007	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
100-G1	Garden	0.02	0.005	0.08	0.1	0.006	0.1	--	0.1	0.006	0.002	0.0006	0.01	0.01	0.0007	0.01	--	0.02	0.0007	0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
100-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.02	0.003	0.0006	0.009	0.009	0.002	0.01	--	0.02	0.002	0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
100-N1	Animal Activity Area	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.009	0.01	0.001	0.02	--	0.01	0.001	0.04	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
100-N2	Animal Activity Area	0.03	0.005	0.09	0.1	0.009	0.1	--	0.1	0.007	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0008	0.04	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
100-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.01	0.001	0.04	0.8	0.07	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
101-G1	Garden	0.02	0.007	0.1	0.09	0.008	0.1	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.0009	0.02	--	0.01	0.0006	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
101-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.002	0.03	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
101-O1	Other -Not Specified	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.8	0.09	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
102-G1	Garden	0.02	0.007	0.1	0.1	0.008	0.2	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0006	0.04	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
102-H1	House	0.02	0.008	0.09	0.09	0.004	0.1	--	0.08	0.003	0.002	0.0009	0.01	0.01	0.0004	0.01	--	0.01	0.0003	0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
103-H1	House	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001	0.04	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
103-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.001	0.04	0.8	0.07	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
104-H1	House	0.07	0.005	0.07	0.09	0.01	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002	0.08	0.8	0.08	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
104-H2	House	0.06	0.004	0.06	0.08	0.01	0.1	--	0.2	0.01	0.007	0.0005	0.007	0.01	0.001	0.02	--	0.02	0.002	0.07	0.8	0.07	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
104-N1	Animal Activity Area	0.06	0.004	0.05	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.006	0.008	0.001	0.02	--	0.02	0.001	0.07	0.8	0.06	0.1	0.03	1	0.6	0.5	0.2	0.01	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
105-H1	House	0.03	0.003	0.04	0.05	0.01	0.08	--	0.1	0.008	0.004	0.0003	0.005	0.006	0.001	0.009	--	0.01	0.001	0.04	0.8	0.05	0.09	0.03	1	0.6	0.5	0.1	0.008	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
105-P1	Play Area	0.03	0.002	0.03	0.04	0.03	0.08	--	0.1	0.01	0.004	0.0002	0.003	0.005	0.003	0.009	--	0.01	0.001	0.05	0.8	0.04	0.07	0.05	1	0.6	0.5	0.1	0.009	0.3	0.006	0.02	0.01	0.6	0.2	0.2	0.1
106-G1	Garden	0.01	0.006	0.07	0.06	0.005	0.08	--	0.08	0.003	0.001	0.0007	0.009	0.008	0.0006	0.009	--	0.009	0.0004	0.02	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
106-G2	Garden	0.01	0.005	0.07	0.08	0.006	0.1	--	0.08	0.003	0.002	0.0005	0.008	0.009	0.0007	0.01	--	0.009	0.0004	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
106-H1	House	0.01	0.005	0.06	0.08	0.003	0.08	--	0.07	0.003	0.001	0.0006	0.008	0.009	0.0004	0.01	--	0.008	0.0003	0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
106-O1	Other -Not Specified	0.01	0.006	0.07	0.08	0.004	0.08	--	0.07	0.002	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.008	0.0003	0.02	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
107-H1	House	0.02	0.004	0.05	0.07	0.03	0.1	--	0.1	0.01	0.002	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.001	0.03	0.8	0.06	0.1	0.05	1	0.6	0.5	0.2	0.007	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
108-H1	House	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0009	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
108-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.002	0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
108-O2	Other -Not Specified	0.02	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
109-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.8	0.07	0.1	0.03	1	0.6	0.4	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
110-A1	Agriculture	0.03	0.004	0.08	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.002	0.02	--	0.02	0.001	0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
110G	Garden	0.03	0.004	0.06	0.06	0.005	0.1	--	0.1	0.004	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0004	0.04	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
110-G1	Garden	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0004	0.008	0.01	0.001	0.02	--	0.01	0.0009	0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
110-G2	Garden	0.01	0.004	0.07	0.1	0.005	0.1	--	0.09	0.004	0.002	0.0004	0.008	0.01	0.0006	0.02	--	0.01	0.0005	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
110-H1	House	0.02	0.004	0.06	0.09	0.009	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.01	0.001	0.01	--	0.01	0.0008	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
110-O1	Other -Not Specified	0.01	0.003	0.05	0.07	0.007	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.0008	0.01	--	0.01	0.0006	0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
110-O2	Other -Not Specified	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
111-H1	House	0.02	0.004	0.06	0.07	0.004	0.08	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0005	0.01	--	0.01	0.0004	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
112G	Garden	0.09	0.008	0.08	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0009	0.009	0.009	0.005	0.02	--	0.02	0.002	0.1	0.8	0.09	0.1	0.06	1	0.6	0.6	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
112-G1	Garden	0.05	0.01	0.09	0.09	0.02	0.1	--	0.1	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002	0.06	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
112-H1	House	0.04	0.01	0.08	0.08	0.02	0.09	--	0.1	0.02	0.005	0.001	0.009	0.01	0.002	0.01	--	0.01	0.002	0.05	0.8	0.09	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
112-O1	Other -Not Specified	0.07	0.009	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.001	0.009	0.01	0.004	0.01	--	0.02	0.004	0.08	0.8	0.09	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
113-G1	Garden	0.04	0.006	0.09	0.1	0.03	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.06	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
113-G2	Garden	0.05	0.007	0.1	0.1	0.03	0.2	--	0.2	0.02	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.06	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
113-G3	Garden	0.03	0.005	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.007	0.008	0.002	0.01	--	0.01	0.001	0.04	0.8	0.07	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
113low	Other -Not Specified	0.08	0.006	0.08	0.1	0.02	0.2	--	0.2	0.02	0.009	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003	0.09	0.8	0.09	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
113-O1	Other -Not Specified	0.03	0.005	0.08	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.01	0.002	0.04	0.8	0.09	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
113up	Other -Not Specified	0.1	0.005	0.08	0.08	0.03	0.2	--	0.3	0.03	0.01	0.0005	0.009	0.009	0.004	0.02	--	0.03	0.004	0.1	0.8	0.08	0.1	0.06	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
114-G1	Garden	0.03	0.005	0.05	0.1	0.02	0.07	--	0.1	0.03	0.004	0.0005	0.006	0.01	0.002	0.009	--	0.02	0.003	0.04	0.8	0.06	0.2	0.04	1	0.6	0.5	0.2	0.008	0.3	0.009	0.03	0.01	0.6	0.2	0.2	0.1
114-H1	House	0.04	0.005	0.06	0.2	0.02	0.08	--	0.2	0.03	0.004	0.0006	0.007	0.02	0.003	0.01	--	0.02	0.004	0.05	0.8	0.07	0.2	0.05	1	0.6	0.6	0.2	0.009	0.3	0.01	0.03	0.01	0.6	0.2	0.2	0.1
114-O1	Other -Not Specified	0.03	0.006	0.06	0.2	0.02	0.08	--	0.2	0.03	0.003	0.0006	0.008	0.02	0.002	0.009	--	0.02	0.003	0.04	0.8	0.07	0.2	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.03	0.01	0.6	0.2	0.2	0.1
115-O1	Other -Not Specified	0.1	0.008	0.1	0.1	0.03	0.1	--	0.3	0.02	0.02	0.0009	0.01	0.01	0.004	0.01	--	0.04	0.002	0.1	0.8	0.1	0.1	0.06	1	0.6	0.7	0.2	0.02	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
115SP	Other -Not Specified	0.09	0.005	0.08	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0006	0.009	0.01	0.007	0.02	--	0.04	0.003	0.1	0.8	0.08	0.1	0.08	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.02	0.6	0.2	0.2	0.1
116M	House	0.06	0.004	0.07	0.1	0.05	0.07	--	0.2	0.02	0.007	0.0005	0.008	0.01	0.006	0.008	--	0.02	0.002	0.07	0.8	0.08	0.1	0.07	1	0.6	0.6	0.2	0.01	0.3	0.01	0.03	0.01	0.6	0.2	0.2	0.1
116-O1	Other -Not Specified	0.02	0.006	0.07	0.08	0.01	0.2	--	0.1	0.01	0.002	0.0007	0.009	0.01	0.002	0.02	--	0.01	0.001	0.03	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
117-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.002	0.004	0.001	0.02	0.02	0.0005	0.02	--	0.01	0.0002	0.04	0.8	0.1	0.2	0.03	1	0.6	0.5	0.1	0.008	0.3	0.02	0.03	0.009	0.6	0.2	0.2	0.1
118-G1	Garden	0.01	0.005	0.08	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.02	--	0.01	0.0004	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
118-G2	Garden	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003	0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
118-H1	House	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.01	0.0005	0.01	--	0.009	0.0004	0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
118-N1	Animal Activity Area	0.02	0.004	0.05	0.07	0.007	0.1	--	0.08	0.007	0.002	0.0004	0.006	0.008	0.0009	0.02	--	0.009	0.0008	0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
118-N2	Animal Activity Area	0.02	0.003	0.05	0.07	0.01	0.2	--	0.09	0.01	0.003	0.0004	0.006	0.008	0.001	0.02	--	0.01	0.001	0.04	0.8	0.06	0.1	0.04	1	0.6	0.5	0.1	0.007	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
119-P1	Play Area	0.09	0.004	0.08	0.08	0.04	0.2	--	0.2	0.03	0.01	0.0005	0.009	0.01	0.004	0.02	--	0.03	0.003	0.1	0.8	0.08	0.1	0.06	1	0.6	0.6	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
120-A1	Agriculture	0.02	0.01	0.07	0.06	0.008	0.07	--	0.07	0.007	0.003	0.001	0.008	0.007	0.0009	0.009	--	0.009	0.0009	0.03	0.8	0.08	0.09	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
120-G1	Garden	0.02	0.008	0.03	0.04	0.01	0.07	--	0.07	0.01	0.002	0.0009	0.004	0.005	0.001	0.008	--	0.008	0.001	0.03	0.8	0.04	0.07	0.03	1	0.6	0.5	0.2	0.007	0.3	0.007	0.02	0.01	0.6	0.2	0.2	0.1
120-H1	House	0.02	0.007	0.05	0.05	0.01	0.07	--	0.07	0.008	0.003	0.0008	0.005	0.006	0.001	0.008	--	0.009	0.0009	0.03	0.8	0.05	0.08	0.04	1	0.6	0.5	0.1	0.007	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
120-O1	Other -Not Specified	0.03	0.01	0.05	0.06	0.01	0.09	--	0.09	0.01	0.004	0.001	0.006	0.006	0.002	0.01	--	0.01	0.001	0.04	0.8	0.06	0.09	0.04	1	0.6	0.5	0.1	0.008	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
121-G1	Garden	0.02	0.006	0.07	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.008	0.01	0.0008	0.01	--	0.01	0.0004	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1

Table 5-30. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
121-H1	House	0.02	0.005	0.07	0.08	0.009	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0007	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
121-N1	Animal Activity Area	0.02	0.005	0.07	0.09	0.006	0.1	--	0.09	0.003	0.002	0.0006	0.008	0.01	0.0007	0.01	--	0.01	0.0004	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
121-N2	Animal Activity Area	0.02	0.005	0.07	0.09	0.009	0.1	--	0.1	0.005	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0006	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
122-G1	Garden	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
122-G2	Garden	0.02	0.004	0.06	0.07	0.008	0.09	--	0.09	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
122-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.002	0.0005	0.009	0.01	0.001	0.02	--	0.01	0.002	0.03	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
122-H2	House	0.01	0.004	0.06	0.08	0.009	0.1	--	0.09	0.008	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
122-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
122-O2	Other -Not Specified	0.04	0.004	0.07	0.09	0.03	0.1	--	0.2	0.03	0.005	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.003	0.05	0.8	0.08	0.1	0.05	1	0.6	0.6	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
122-P1	Play Area	0.04	0.004	0.07	0.09	0.04	0.2	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.02	--	0.02	0.004	0.05	0.8	0.08	0.1	0.06	1	0.6	0.6	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
123-G1	Garden	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
123-G2	Garden	0.04	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.01	0.001	0.05	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
123-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.009	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001	0.05	0.8	0.1	0.1	0.04	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
123-O1	Other -Not Specified	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001	0.04	0.8	0.1	0.1	0.03	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
123-O2	Other -Not Specified	0.05	0.007	0.1	0.1	0.04	0.2	--	0.2	0.03	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.06	0.8	0.1	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
124-G1	Garden	0.01	0.007	0.09	0.1	0.005	0.09	--	0.1	0.006	0.002	0.0009	0.01	0.01	0.0006	0.01	--	0.01	0.0006	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
124-G2	Garden	0.04	0.01	0.2	0.1	0.02	0.1	--	0.2	0.01	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.002	0.05	0.8	0.2	0.2	0.04	1	0.6	0.6	0.2	0.009	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
124-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.007	0.004	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0008	0.04	0.8	0.2	0.2	0.03	1	0.6	0.5	0.1	0.008	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
124-N1	Animal Activity Area	0.02	0.009	0.08	0.07	0.005	0.07	--	0.09	0.005	0.002	0.001	0.009	0.008	0.0006	0.008	--	0.01	0.0005	0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
124-N2	Animal Activity Area	0.01	0.005	0.07	0.1	0.001	0.08	--	0.07	0.001	0.001	0.0006	0.008	0.01	0.0002	0.01	--	0.008	0.0001	0.02	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
124-O1	Other -Not Specified	0.03	0.01	0.2	0.1	0.01	0.2	--	0.2	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002	0.05	0.8	0.2	0.2	0.04	1	0.6	0.6	0.2	0.009	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
125-O1	Other -Not Specified	0.02	0.007	0.09	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0008	0.01	0.01	0.001	0.01	--	0.01	0.001	0.04	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
126-A1	Agriculture	0.02	0.003	0.04	0.07	0.008	0.09	--	0.09	0.007	0.002	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.0008	0.03	0.8	0.05	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
126-G1	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.004	0.003	0.0005	0.007	0.01	0.0008	0.01	--	0.01	0.0005	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
126-G2	Garden	0.02	0.004	0.05	0.07	0.008	0.1	--	0.08	0.006	0.002	0.0004	0.006	0.008	0.0009	0.01	--	0.01	0.0007	0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
126-H1	House	0.01	0.003	0.04	0.06	0.004	0.07	--	0.06	0.003	0.001	0.0003	0.005	0.007	0.0004	0.008	--	0.007	0.0004	0.02	0.8	0.05	0.09	0.03	1	0.6	0.5	0.1	0.006	0.3	0.008	0.02	0.009	0.6	0.2	0.2	0.1
126-O1	Other -Not Specified	0.02	0.003	0.05	0.07	0.007	0.09	--	0.08	0.005	0.002	0.0004	0.005	0.008	0.0008	0.01	--	0.01	0.0006	0.03	0.8	0.05	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
126-O2	Other -Not Specified	0.01	0.003	0.04	0.07	0.006	0.07	--	0.07	0.003	0.002	0.0003	0.005	0.008	0.0007	0.008	--	0.008	0.0004	0.03	0.8	0.05	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
126-O3	Other -Not Specified	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.005	0.002	0.0005	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
126-P1	Play Area	0.01	0.003	0.04	0.06	0.005	0.05	--	0.1	0.003	0.002	0.0003	0.005	0.007	0.0006	0.005	--	0.01	0.0004	0.03	0.8	0.05	0.09	0.03	1	0.6	0.5	0.1	0.006	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
127-A1	Agriculture	0.03	0.004	0.07	0.09	0.02	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.003	0.02	--	0.02	0.002	0.05	0.8	0.08	0.1	0.05	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
127-G1	Garden	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
127-G2	Garden	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
127-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.001	0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
127-H2	House	0.01	0.005	0.06	0.08	0.007	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
127-N1	Animal Activity Area	0.02	0.003	0.05	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0004	0.006	0.009	0.002	0.01	--	0.01	0.001	0.04	0.8	0.06	0.1	0.04	1	0.6	0.5	0.2	0.007	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
128-G1	Garden	0.05	0.01	0.1	0.1	0.008	0.1	--	0.1	0.006	0.006	0.001	0.01	0.01	0.0009	0.02	--	0.02	0.0007	0.06	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
128-G2	Garden	0.05	0.02	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.002	0.01	0.01	0.001	0.02	--	0.02	0.001	0.06	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
128-G3	Garden	0.03	0.008	0.1	0.1	0.006	0.1	--	0.1	0.004	0.004	0.0009	0.01	0.01	0.0007	0.02	--	0.02	0.0005	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.03	0.01	0.6	0.2	0.2	0.1
128-N1	Animal Activity Area	0.05	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.8	0.1	0.1	0.04	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
128-O1	Other -Not Specified	0.04	0.02	0.09	0.1	0.01	0.1	--	0.1	0.007	0.004	0.002	0.01	0.01	0.001	0.02	--	0.02	0.0009	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
129-H1	House	0.05	0.004	0.05	0.08	0.04	0.07	--	0.2	0.02	0.006	0.0004	0.006	0.009	0.004	0.008	--	0.02	0.002	0.06	0.8	0.06	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
129-H2	House	0.05	0.003	0.05	0.07	0.04	0.08	--	0.2	0.02	0.005	0.0004	0.006	0.008	0.004	0.009	--	0.02	0.003	0.06	0.8	0.06	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
130-G1	Garden	0.01	0.004	0.05	0.07	0.006	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0006	0.01	--	0.008	0.0005	0.02	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
130-H1	House	0.008	0.004	0.05	0.08	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.006	0.009	0.0003	0.008	--	0.008	0.0003	0.02	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.009	0.6	0.2	0.2	0.1
130-H2	House	0.02	0.005	0.07	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0007	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
131-H1	House	0.03	0.005	0.07	0.09	0.01	0.09	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.002	0.04	0.8	0.08	0.1	0.03	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
132-G1	Garden	0.01	0.004	0.06	0.08	0.003	0.06	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.007	--	0.008	0.0003	0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
132-G2	Garden	0.009	0.004	0.07	0.09	0.002	0.08	--	0.07	0.001	0.001	0.0005	0.008	0.01	0.0002	0.009	--	0.008	0.0001	0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
132-H1	House	0.01	0.004	0.05	0.07	0.004	0.07	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.008	--	0.009	0.0004	0.02	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.009	0.6	0.2	0.2	0.1
132-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0004	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
133-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.1	--	0.2	0.02	0.005	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002	0.06	0.8	0.08	0.1	0.05	1	0.6	0.5	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
133-H1	House	0.03	0.02	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.002	0.008	0.01	0.001	0.01	--	0.01	0.001	0.04	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
134-O1	Other -Not Specified	0.1	0.004	0.07	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0005	0.008	0.01	0.007	0.01	--	0.04	0.004	0.1	0.8	0.08	0.1	0.09	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.02	0.6	0.2	0.2	0.1
135-G1	Garden	0.05	0.005	0.07	0.07	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.02	--	0.02	0.001	0.06	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
135-H1	House	0.05	0.005	0.07	0.09	0.01	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.002	0.06	0.8	0.08	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
135-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.001	0.06	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
136-A1	Agriculture	0.02	0.005	0.06	0.08	0.01	0.08	--	0.09	0.005	0.002	0.0006	0.007	0.009	0.001	0.009	--	0.01	0.0005	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
136-G1	Garden	0.01	0.005	0.06	0.07	0.007	0.08	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0008	0.01	--	0.01	0.0005	0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
136-H1	House	0.02	0.005	0.06	0.07	0.009	0.07	--	0.09	0.005	0.002	0.0006	0.006	0.008	0.001	0.008	--	0.01	0.0006	0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
136-O1	Other -Not Specified	0.02	0.003	0.04	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.005	0.007	0.003	0.01	--	0.02	0.002	0.03	0.8	0.05	0.1	0.05	1	0.6	0.5	0.2	0.007	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
137-O1	Other -Not Specified	0.02	0.003	0.04	0.05	0.02	0.09	--	0.1	0.02	0.002	0.0003	0.005	0.006	0.002	0.01	--	0.01	0.002	0.03	0.8	0.05	0.09	0.04	1	0.6	0.5	0.2	0.007	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
137-O2	Other -Not Specified	0.02	0.003	0.05	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.002	0.03	0.8	0.06	0.1	0.04	1	0.6	0.5	0.2	0.007	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
138-G1	Garden	0.02	0.008	0.09	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.001	0.04	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
138-G2	Garden	0.02	0.009	0.09	0.08	0.01	0.1	--	0.08	0.009	0.002	0.001	0.01	0.009	0.001	0.02	--	0.01	0.001	0.03	0.8	0.09	0.1	0.04	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
138-H1	House	0.02	0.009	0.09	0.1	0.009	0.1	--	0.1	0.007	0.002	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0008	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
138-O1	Other -Not Specified	0.01	0.007	0.08	0.1	0.006	0.1	--	0.09	0.005	0.002	0.0008	0.009	0.01	0.0007	0.01	--	0.01	0.0006	0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.03	0.01	0.6	0.2	0.2	0.1

Table 5-30. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
138-O2	Other -Not Specified	0.02	0.01	0.08	0.08	0.01	0.1	--	0.09	0.02	0.003	0.001	0.009	0.009	0.001	0.01	--	0.01	0.002	0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.2	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
139-G1	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0006	0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
139-G2	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0009	0.01	--	0.01	0.0006	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
139-H1	House	0.02	0.004	0.07	0.07	0.006	0.1	--	0.09	0.006	0.002	0.0005	0.009	0.009	0.0007	0.01	--	0.01	0.0007	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
139-N1	Animal Activity Area	0.02	0.004	0.08	0.08	0.008	0.1	--	0.1	0.006	0.002	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.0007	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
140-G1	Garden	0.09	0.004	0.07	0.09	0.05	0.2	--	0.2	0.02	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.003	0.1	0.8	0.08	0.1	0.07	1	0.6	0.6	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
140-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.8	0.07	0.1	0.03	1	0.6	0.4	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
140-O1	Other -Not Specified	0.2	0.004	0.07	0.08	0.06	0.2	--	0.4	0.04	0.02	0.0005	0.008	0.01	0.008	0.02	--	0.04	0.005	0.2	0.8	0.07	0.1	0.09	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.02	0.6	0.2	0.2	0.1
140-O2[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.8	0.07	0.1	0.03	1	0.6	0.4	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
141-A1	Agriculture	0.03	0.009	0.1	0.1	0.008	0.2	--	0.1	0.006	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0006	0.04	0.8	0.1	0.2	0.03	1	0.6	0.5	0.1	0.008	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
141-H1	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.001	0.01	0.01	0.001	0.01	--	0.01	0.0008	0.04	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
141-H2	House	0.04	0.01	0.2	0.1	0.02	0.2	--	0.1	0.01	0.005	0.001	0.02	0.02	0.002	0.02	--	0.02	0.001	0.06	0.8	0.2	0.2	0.04	1	0.6	0.5	0.1	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
141-H3	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.008	0.004	0.001	0.01	0.02	0.001	0.02	--	0.01	0.001	0.04	0.8	0.1	0.2	0.03	1	0.6	0.5	0.1	0.008	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
141-N1	Animal Activity Area	0.02	0.006	0.08	0.1	0.007	0.1	--	0.08	0.005	0.002	0.0007	0.01	0.01	0.0008	0.01	--	0.009	0.0006	0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
141-N2	Animal Activity Area	0.04	0.009	0.1	0.1	0.01	0.2	--	0.1	0.007	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0008	0.05	0.8	0.1	0.2	0.04	1	0.6	0.5	0.1	0.009	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
141-N3	Animal Activity Area	0.01	0.004	0.05	0.06	0.004	0.05	--	0.09	0.002	0.001	0.0004	0.006	0.007	0.0005	0.006	--	0.01	0.0003	0.02	0.8	0.06	0.09	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.009	0.6	0.2	0.2	0.1
141-N4	Animal Activity Area	0.03	0.009	0.1	0.1	0.009	0.1	--	0.1	0.006	0.004	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0007	0.05	0.8	0.1	0.2	0.03	1	0.6	0.5	0.1	0.009	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
141-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.02	0.001	0.02	--	0.01	0.0008	0.04	0.8	0.1	0.2	0.03	1	0.6	0.5	0.1	0.008	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
142-H1	House	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.02	0.001	0.04	0.8	0.09	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
142-O1	Other -Not Specified	0.02	0.005	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.001	0.04	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
143-A1	Agriculture	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
143-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
143-G2	Garden	0.02	0.004	0.07	0.07	0.007	0.1	--	0.1	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
143-H1	House	0.02	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
144-G1	Garden	0.04	0.005	0.08	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.8	0.09	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
144-H1	House	0.04	0.004	0.07	0.08	0.02	0.1	--	0.2	0.02	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.05	0.8	0.08	0.1	0.04	1	0.6	0.6	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
145-A1	Agriculture	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.02	--	0.01	0.001	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
145-H1	House	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002	0.05	0.8	0.08	0.1	0.04	1	0.6	0.6	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
146G	Garden	0.03	0.007	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0008	0.01	0.01	0.0007	0.02	--	0.02	0.0005	0.04	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
146-H1	House	0.2	0.004	0.07	0.09	0.1	0.2	--	0.7	0.2	0.02	0.0005	0.009	0.01	0.01	0.03	--	0.08	0.02	0.2	0.8	0.08	0.1	0.1	1	0.6	1	0.3	0.02	0.3	0.01	0.02	0.02	0.6	0.2	0.2	0.2
147-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0007	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
147-G2	Garden	0.02	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.001	0.04	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
147-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0006	0.008	0.01	0.001	0.02	--	0.01	0.001	0.03	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
148-H1	House	0.01	0.004	0.06	0.07	0.004	0.07	--	0.08	0.004	0.001	0.0005	0.007	0.009	0.0005	0.008	--	0.009	0.0005	0.02	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
148-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.08	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
148-O3	Other -Not Specified	0.03	0.005	0.07	0.09	0.01	0.08	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.009	--	0.02	0.001	0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
149-A1	Agriculture	0.04	0.05	0.3	0.2	0.02	0.2	--	0.3	0.05	0.005	0.006	0.03	0.02	0.002	0.02	--	0.03	0.006	0.05	0.9	0.3	0.2	0.04	1	0.6	0.7	0.2	0.009	0.3	0.04	0.03	0.01	0.6	0.2	0.2	0.1
149-G1	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.05	0.8	0.2	0.2	0.04	1	0.6	0.6	0.2	0.009	0.3	0.03	0.03	0.01	0.6	0.2	0.2	0.1
149-G2	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.05	0.8	0.2	0.2	0.04	1	0.6	0.6	0.2	0.009	0.3	0.03	0.03	0.01	0.6	0.2	0.2	0.1
149-H1	House	0.04	0.03	0.2	0.1	0.02	0.2	--	0.2	0.03	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.05	0.8	0.2	0.2	0.04	1	0.6	0.6	0.2	0.009	0.3	0.03	0.03	0.01	0.6	0.2	0.2	0.1
149-N1	Animal Activity Area	0.02	0.02	0.2	0.1	0.01	0.1	--	0.2	0.02	0.003	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002	0.04	0.8	0.2	0.2	0.03	1	0.6	0.5	0.2	0.008	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
150-G1	Garden	0.01	0.004	0.05	0.07	0.005	0.08	--	0.08	0.004	0.002	0.0005	0.006	0.009	0.0006	0.009	--	0.01	0.0004	0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.009	0.6	0.2	0.2	0.1
150-H1	House	0.01	0.005	0.06	0.07	0.005	0.08	--	0.07	0.004	0.001	0.0005	0.007	0.009	0.0005	0.009	--	0.008	0.0004	0.02	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
151-H1	House	0.02	0.006	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.008	0.01	0.001	0.01	--	0.01	0.001	0.04	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
152-G1	Garden	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001	0.05	0.8	0.07	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
152-H1	House	0.04	0.007	0.08	0.07	0.02	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.008	0.002	0.01	--	0.02	0.002	0.05	0.8	0.09	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
153-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.2	--	0.1	0.01	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.06	0.8	0.07	0.1	0.04	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
153-H1	House	0.08	0.006	0.09	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0007	0.01	0.01	0.004	0.02	--	0.03	0.004	0.09	0.8	0.1	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
153-O1	Other -Not Specified	0.04	0.005	0.08	0.08	0.03	0.3	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.03	--	0.02	0.003	0.05	0.8	0.09	0.1	0.06	1	0.6	0.6	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
153-O2	Other -Not Specified	0.04	0.003	0.04	0.05	0.05	0.1	--	0.2	0.03	0.005	0.0003	0.004	0.006	0.006	0.02	--	0.02	0.003	0.05	0.8	0.04	0.08	0.07	1	0.6	0.6	0.2	0.009	0.3	0.007	0.02	0.01	0.6	0.2	0.2	0.1
153-O3	Other -Not Specified	0.07	0.005	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	0.0006	0.009	0.01	0.004	0.02	--	0.02	0.002	0.08	0.8	0.08	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
153-O5	Other -Not Specified	0.08	0.005	0.07	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0005	0.008	0.01	0.004	0.02	--	0.03	0.003	0.09	0.8	0.08	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
153-O6	Other -Not Specified	0.05	0.005	0.08	0.1	0.02	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.001	0.06	0.8	0.09	0.1	0.04	1	0.6	0.5	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
153-O7	Other -Not Specified	0.08	0.005	0.08	0.09	0.05	0.2	--	0.2	0.04	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.005	0.09	0.8	0.08	0.1	0.07	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
153-P1	Play Area	0.07	0.005	0.09	0.09	0.04	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.03	--	0.03	0.004	0.09	0.8	0.1	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
154-G1	Garden	0.01	0.006	0.08	0.09	0.003	0.1	--	0.09	0.003	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.01	0.0003	0.02	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
154-H1	House	0.01	0.005	0.07	0.07	0.007	0.07	--	0.08	0.003	0.001	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0004	0.02	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
155-G1	Garden	0.04	0.004	0.07	0.07	0.02	0.1	--	0.1	0.02	0.005	0.0005	0.008	0.008	0.003	0.02	--	0.02	0.002	0.05	0.8	0.08	0.1	0.05	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
155-G2	Garden	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.001	0.03	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
155-H1	House	0.02	0.005	0.07	0.07	0.008	0.08	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
155-H2	House	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.02	0.001	0.04	0.8	0.06	0.1	0.05	1	0.6	0.5	0.2	0.008	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
155-O2	Other -Not Specified	0.04	0.003	0.06	0.06	0.04	0.1	--	0.2	0.02	0.005	0.0004	0.007	0.007	0.005	0.01	--	0.02	0.003	0.05	0.8	0.06	0.09	0.06	1	0.6	0.6	0.2	0.009	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
156-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0009	0.03	0.8	0.07	0.1	0.04	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
156-O1	Other -Not Specified	0.03	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.006	0.008	0.003	0.01	--	0.02	0.002	0.04	0.8	0.06	0.1	0.05	1	0.6	0.5	0.2	0.008	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
157-G1	Garden	0.02	0.005	0.07	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0008	0.009	--	0.01	0.0006	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
157-H1	House	0.02	0.005	0.07	0.08	0.01	0.07	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.002	0.009	--	0.02	0.001	0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1

Table 5-30. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
157-H2	House	0.02	0.005	0.07	0.08	0.008	0.07	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.009	--	0.01	0.0008	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
157-O1	Other -Not Specified	0.02	0.004	0.06	0.06	0.009	0.06	--	0.09	0.007	0.002	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.0008	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
158-H1	House	0.01	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0005	0.008	--	0.01	0.0004	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
158-O1	Other -Not Specified	0.01	0.005	0.07	0.08	0.006	0.08	--	0.1	0.004	0.001	0.0005	0.008	0.009	0.0007	0.009	--	0.01	0.0004	0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
159-G1	Garden	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0008	0.04	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
159-H1	House	0.02	0.003	0.05	0.06	0.006	0.07	--	0.08	0.006	0.002	0.0004	0.005	0.007	0.0007	0.008	--	0.009	0.0007	0.03	0.8	0.05	0.09	0.03	1	0.6	0.5	0.1	0.007	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
159-H2	House	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.04	0.8	0.06	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
159-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.005	0.08	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006	0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.009	0.02	0.009	0.6	0.2	0.2	0.1
159-O2	Other -Not Specified	0.02	0.004	0.06	0.07	0.006	0.08	--	0.08	0.006	0.002	0.0005	0.007	0.008	0.0007	0.009	--	0.009	0.0007	0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
160-G1	Garden	0.03	0.004	0.06	0.07	0.009	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.04	0.8	0.07	0.1	0.03	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
160-H1	House	0.02	0.004	0.07	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0005	0.008	0.01	0.0007	0.01	--	0.01	0.0008	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
160-H2	House	0.02	0.005	0.07	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0006	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
161-H1	House	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.002	0.04	0.8	0.07	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
161-N1	Animal Activity Area	0.02	0.004	0.06	0.06	0.008	0.08	--	0.09	0.01	0.002	0.0005	0.007	0.007	0.0009	0.009	--	0.01	0.001	0.03	0.8	0.06	0.09	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
162-H1	House	0.01	0.003	0.05	0.06	0.02	0.05	--	0.08	0.008	0.002	0.0003	0.006	0.008	0.002	0.006	--	0.009	0.0009	0.03	0.8	0.06	0.1	0.04	1	0.6	0.5	0.1	0.006	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
163G	Garden	0.09	0.005	0.07	0.08	0.02	0.2	--	0.2	0.02	0.01	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002	0.1	0.8	0.08	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
163-G1	Garden	0.01	0.003	0.05	0.06	0.008	0.09	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.001	0.01	--	0.009	0.0006	0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
163-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001	0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
164-H1	House	0.03	0.005	0.07	0.09	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.002	0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
165-H1	House	0.03	0.01	0.2	0.2	0.009	0.1	--	0.09	0.005	0.003	0.002	0.02	0.02	0.001	0.02	--	0.01	0.0006	0.04	0.8	0.2	0.2	0.03	1	0.6	0.5	0.1	0.008	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
165-O1	Other -Not Specified	0.04	0.02	0.2	0.2	0.02	0.2	--	0.1	0.01	0.005	0.002	0.03	0.02	0.002	0.02	--	0.02	0.002	0.05	0.8	0.3	0.2	0.04	1	0.6	0.5	0.2	0.01	0.3	0.03	0.04	0.01	0.6	0.2	0.2	0.1
166-O1	Other -Not Specified	0.05	0.004	0.05	0.1	0.03	0.07	--	0.2	0.03	0.005	0.0004	0.006	0.01	0.003	0.008	--	0.02	0.003	0.06	0.8	0.06	0.1	0.05	1	0.6	0.5	0.2	0.01	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
167-O1	Other -Not Specified	0.02	0.004	0.06	0.08	0.009	0.08	--	0.1	0.01	0.002	0.0005	0.007	0.009	0.001	0.009	--	0.01	0.001	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
167-O2	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.07	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.008	--	0.02	0.001	0.03	0.8	0.06	0.1	0.04	1	0.6	0.5	0.1	0.007	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
167-O3	Other -Not Specified	0.03	0.004	0.07	0.08	0.03	0.1	--	0.2	0.02	0.003	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.002	0.04	0.8	0.07	0.1	0.05	1	0.6	0.6	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
167-O4	Other -Not Specified	0.02	0.004	0.06	0.08	0.02	0.08	--	0.2	0.01	0.003	0.0005	0.007	0.01	0.002	0.009	--	0.02	0.001	0.03	0.8	0.07	0.1	0.04	1	0.6	0.6	0.2	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
167-O5	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.08	--	0.2	0.01	0.003	0.0004	0.007	0.009	0.002	0.009	--	0.02	0.001	0.04	0.8	0.07	0.1	0.04	1	0.6	0.6	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
167-O6	Other -Not Specified	0.03	0.004	0.06	0.07	0.03	0.1	--	0.1	0.02	0.004	0.0004	0.006	0.009	0.003	0.01	--	0.02	0.002	0.04	0.8	0.06	0.1	0.05	1	0.6	0.5	0.2	0.008	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
167-O7	Other -Not Specified	0.06	0.004	0.06	0.08	0.05	0.1	--	0.2	0.03	0.007	0.0004	0.007	0.009	0.006	0.01	--	0.03	0.004	0.07	0.8	0.07	0.1	0.07	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
167-O8	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.08	--	0.1	0.01	0.002	0.0004	0.005	0.008	0.003	0.01	--	0.02	0.001	0.03	0.8	0.05	0.1	0.05	1	0.6	0.5	0.2	0.007	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
167-O9	Other -Not Specified	0.02	0.004	0.05	0.08	0.02	0.09	--	0.1	0.01	0.003	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.002	0.03	0.8	0.06	0.1	0.05	1	0.6	0.5	0.2	0.007	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
168-G1	Garden	0.01	0.006	0.06	0.07	0.006	0.09	--	0.08	0.008	0.001	0.0007	0.007	0.009	0.0007	0.01	--	0.01	0.0009	0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
168-G2	Garden	0.01	0.007	0.07	0.08	0.007	0.1	--	0.1	0.006	0.001	0.0008	0.008	0.009	0.0008	0.01	--	0.01	0.0007	0.02	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
168-H1	House	0.009	0.005	0.06	0.08	0.004	0.07	--	0.08	0.004	0.001	0.0006	0.007	0.009	0.0005	0.009	--	0.009	0.0005	0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
168-N1	Animal Activity Area	0.01	0.007	0.06	0.06	0.007	0.09	--	0.07	0.007	0.002	0.0008	0.007	0.007	0.0008	0.01	--	0.008	0.0008	0.03	0.8	0.06	0.09	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
168-O1	Other -Not Specified	0.04	0.01	0.07	0.08	0.03	0.07	--	0.1	0.02	0.005	0.002	0.009	0.009	0.003	0.009	--	0.02	0.002	0.06	0.8	0.08	0.1	0.05	1	0.6	0.5	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
169A	Other -Not Specified	0.03	0.004	0.06	0.1	0.05	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.006	0.007	--	0.02	0.002	0.05	0.8	0.07	0.2	0.08	1	0.6	0.5	0.2	0.009	0.3	0.01	0.03	0.02	0.6	0.2	0.2	0.1
169-G2	Garden	0.01	0.004	0.06	0.08	0.008	0.07	--	0.08	0.006	0.002	0.0005	0.007	0.009	0.0009	0.008	--	0.009	0.0007	0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
169-G3	Garden	0.02	0.006	0.08	0.1	0.01	0.1	--	0.1	0.006	0.002	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0008	0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
169-G4	Garden	0.02	0.004	0.06	0.09	0.01	0.09	--	0.08	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
169-H1	House	0.01	0.004	0.05	0.07	0.007	0.08	--	0.06	0.004	0.001	0.0004	0.005	0.008	0.0009	0.01	--	0.007	0.0005	0.02	0.8	0.05	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
170-G1	Garden	0.02	0.005	0.07	0.1	0.008	0.1	--	0.09	0.006	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0007	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
170-G2	Garden	0.02	0.005	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.01	0.002	0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
170-H1	House	0.02	0.004	0.06	0.08	0.01	0.09	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0009	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
171-A1	Agriculture	0.04	0.01	0.2	0.1	0.02	0.2	--	0.2	0.02	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.003	0.05	0.8	0.2	0.2	0.04	1	0.6	0.6	0.2	0.009	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
171-G1	Garden	0.05	0.01	0.1	0.1	0.03	0.2	--	0.2	0.03	0.006	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003	0.06	0.8	0.1	0.2	0.06	1	0.6	0.6	0.2	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
171-H1	House	0.03	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.003	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.003	0.04	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
172U	Other -Not Specified	0.04	0.005	0.05	0.2	0.02	0.06	--	0.2	0.04	0.005	0.0006	0.006	0.02	0.003	0.007	--	0.02	0.004	0.06	0.8	0.06	0.2	0.05	1	0.6	0.6	0.2	0.01	0.3	0.009	0.03	0.01	0.6	0.2	0.2	0.1
173-G1	Garden	0.02	0.006	0.07	0.1	0.007	0.1	--	0.09	0.005	0.002	0.0008	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
173-G2	Garden	0.01	0.006	0.07	0.1	0.003	0.07	--	0.07	0.002	0.001	0.0007	0.008	0.01	0.0003	0.008	--	0.008	0.0002	0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
173-G3	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0009	0.008	0.01	0.001	0.01	--	0.01	0.001	0.05	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
173-G4	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0009	0.008	0.01	0.002	0.01	--	0.01	0.001	0.05	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
173-G5	Garden	0.02	0.006	0.08	0.1	0.005	0.1	--	0.08	0.003	0.002	0.0007	0.01	0.01	0.0006	0.01	--	0.01	0.0003	0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
173-H1	House	0.03	0.006	0.06	0.08	0.01	0.09	--	0.1	0.01	0.003	0.0007	0.007	0.009	0.002	0.01	--	0.01	0.002	0.04	0.8	0.07	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
173-P1	Play Area	0.03	0.006	0.07	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0007	0.008	0.01	0.002	0.01	--	0.02	0.002	0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
174-A1	Agriculture	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.001	0.04	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
174-G1	Garden	0.03	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.03	--	0.02	0.001	0.04	0.8	0.1	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
174-H1	House	0.04	0.008	0.1	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002	0.05	0.8	0.1	0.1	0.05	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
174M	House	0.01	0.004	0.06	0.06	0.002	0.06	--	0.07	0.004	0.002	0.0005	0.007	0.007	0.0003	0.007	--	0.008	0.0005	0.03	0.8	0.07	0.09	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
175-G1	Garden	0.02	0.004	0.05	0.06	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.001	0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
175-G2	Garden	0.01	0.004	0.05	0.06	0.005	0.06	--	0.07	0.003	0.001	0.0004	0.005	0.007	0.0006	0.007	--	0.008	0.0004	0.02	0.8	0.05	0.09	0.03	1	0.6	0.5	0.1	0.006	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
175-H1	House	0.01	0.003	0.04	0.06	0.01	0.08	--	0.09	0.008	0.002	0.0004	0.005	0.007	0.001	0.009	--	0.01	0.001	0.03	0.8	0.05	0.09	0.03	1	0.6	0.5	0.1	0.006	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
176-A1	Agriculture	0.02	0.005	0.07	0.07	0.009	0.09	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
176G	Garden	0.05	0.005	0.06	0.06	0.02	0.1	--	0.1	0.01	0.006	0.0006	0.007	0.007	0.002	0.01	--	0.02	0.002	0.06	0.8	0.07	0.09	0.04	1	0.6	0.5	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
176-H1	House	0.02	0.004	0.06	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0007	0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
176-H2	House	0.02	0.005	0.06	0.07	0.007	0.08	--	0.1	0.004	0.002	0.0006	0.008	0.009	0.0009	0.009	--	0.01	0.0005	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
176M	House	0.05	0.004	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0005	0.006	0.007	0.002	0.01	--	0.02	0.003	0.07	0.8	0.06	0.09	0.04	1	0.6	0.6	0.2	0.01	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1

Table 5-30. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																					
176-P1	Play Area	0.02	0.004	0.05	0.08	0.006	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.009	0.0007	0.01	--	0.01	0.0006		0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
178-H1	House	0.02	0.005	0.08	0.1	0.005	0.1	--	0.1	0.003	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0004		0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
179-H1	House	0.03	0.006	0.07	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0008	0.008	0.01	0.001	0.02	--	0.01	0.001		0.04	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
180-H1	House	0.07	0.005	0.07	0.09	0.05	0.09	--	0.3	0.02	0.009	0.0005	0.008	0.01	0.005	0.01	--	0.03	0.002		0.08	0.8	0.07	0.1	0.07	1	0.6	0.7	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
180-H2[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001		0.02	0.8	0.07	0.1	0.03	1	0.6	0.4	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
180-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.08	0.1	--	0.3	0.02	0.006	0.0005	0.008	0.01	0.009	0.01	--	0.04	0.003		0.06	0.8	0.07	0.1	0.1	1	0.6	0.7	0.2	0.01	0.3	0.01	0.02	0.02	0.6	0.2	0.2	0.1
181-A1	Agriculture	0.06	0.006	0.08	0.09	0.01	0.2	--	0.2	0.01	0.007	0.0008	0.009	0.01	0.002	0.02	--	0.02	0.001		0.07	0.8	0.09	0.1	0.04	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
181-G1	Garden	0.04	0.005	0.07	0.08	0.008	0.1	--	0.1	0.004	0.005	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0005		0.05	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
181-G2	Garden	0.06	0.007	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.07	0.8	0.1	0.1	0.04	1	0.6	0.6	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
181-H1	House	0.06	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001		0.07	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
181-H2	House	0.07	0.007	0.1	0.1	0.02	0.2	--	0.2	0.01	0.009	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.09	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
181-N1	Animal Activity Area	0.08	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.009	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002		0.09	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
181-N2	Animal Activity Area	0.06	0.006	0.08	0.09	0.02	0.2	--	0.2	0.01	0.008	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002		0.08	0.8	0.09	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
181-O1	Other -Not Specified	0.04	0.007	0.09	0.09	0.008	0.1	--	0.1	0.006	0.004	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0007		0.05	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
182-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.2	--	0.2	0.03	0.004	0.001	0.01	0.01	0.003	0.02	--	0.02	0.003		0.05	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.009	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
182-G2	Garden	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.03	0.008	0.001	0.02	0.01	0.003	0.03	--	0.03	0.003		0.08	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
182-H1	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.2	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002		0.04	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
182-H2	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002		0.04	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
182-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002		0.04	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
182-O2	Other -Not Specified	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	0.001	0.01	0.01	0.003	0.03	--	0.02	0.003		0.09	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
182-O3	Other -Not Specified	0.03	0.01	0.09	0.08	0.02	0.2	--	0.2	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.003		0.04	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
184-H1	House	0.05	0.003	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0004	0.006	0.007	0.003	0.01	--	0.02	0.002		0.06	0.8	0.06	0.09	0.05	1	0.6	0.6	0.2	0.01	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
185-A1	Agriculture	0.02	0.009	0.08	0.08	0.01	0.08	--	0.1	0.008	0.003	0.001	0.009	0.009	0.002	0.009	--	0.02	0.0009		0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
185G	Garden	0.05	0.008	0.1	0.1	0.007	0.1	--	0.2	0.004	0.006	0.0009	0.02	0.01	0.0008	0.02	--	0.02	0.0005		0.07	0.8	0.2	0.1	0.03	1	0.6	0.6	0.1	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
185-H1	House	0.02	0.008	0.07	0.09	0.01	0.09	--	0.1	0.008	0.003	0.0009	0.009	0.01	0.001	0.01	--	0.02	0.0009		0.03	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
186-O1	Other -Not Specified	0.05	0.004	0.06	0.1	0.03	0.07	--	0.2	0.03	0.006	0.0005	0.007	0.02	0.004	0.009	--	0.02	0.003		0.06	0.8	0.07	0.2	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.03	0.01	0.6	0.2	0.2	0.1
187-H1	House	0.02	0.004	0.07	0.08	0.02	0.1	--	0.1	0.01	0.002	0.0005	0.008	0.009	0.002	0.01	--	0.02	0.002		0.03	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
188-A1	Agriculture	0.02	0.008	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001		0.03	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
188-G1	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.01	0.002		0.04	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
188-G2	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002		0.05	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
188-G3	Garden	0.02	0.006	0.09	0.09	0.01	0.2	--	0.1	0.008	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.01	0.001		0.04	0.8	0.1	0.1	0.04	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
188-H1	House	0.01	0.01	0.08	0.09	0.007	0.1	--	0.1	0.005	0.002	0.001	0.01	0.01	0.0008	0.02	--	0.01	0.0006		0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
188-P1	Play Area	0.02	0.005	0.07	0.08	0.008	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008		0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
189-G1	Garden	0.02	0.006	0.08	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.009	0.01	0.0009	0.01	--	0.01	0.0005		0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
189-H1	House	0.02	0.005	0.07	0.08	0.008	0.09	--	0.1	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008		0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
189-H2	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.001		0.03	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
189-O1	Other -Not Specified	0.04	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001		0.05	0.8	0.07	0.1	0.04	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
190-G1	Garden	0.009	0.004	0.07	0.08	0.004	0.08	--	0.1	0.002	0.001	0.0005	0.008	0.009	0.0005	0.01	--	0.01	0.0002		0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
190-H1	House	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.005	0.001	0.0005	0.007	0.008	0.0006	0.01	--	0.008	0.0005		0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
190-N1	Animal Activity Area	0.01	0.005	0.07	0.09	0.005	0.1	--	0.08	0.003	0.001	0.0005	0.008	0.01	0.0005	0.01	--	0.009	0.0004		0.02	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
190-N2	Animal Activity Area	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003		0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
190-N3	Animal Activity Area	0.009	0.004	0.06	0.08	0.003	0.09	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003		0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
190-O1	Other -Not Specified	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009		0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
191-H1	House	0.03	0.007	0.08	0.09	0.03	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.01	0.003	0.01	--	0.02	0.002		0.04	0.8	0.09	0.1	0.05	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
192-A1	Agriculture	0.03	0.01	0.08	0.09	0.02	0.09	--	0.1	0.008	0.003	0.001	0.01	0.01	0.002	0.01	--	0.02	0.0009		0.04	0.8	0.09	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
192-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.09	--	0.2	0.007	0.004	0.002	0.01	0.01	0.003	0.01	--	0.02	0.0008		0.05	0.8	0.1	0.1	0.05	1	0.6	0.6	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
192-H1	House	0.02	0.008	0.07	0.08	0.02	0.08	--	0.1	0.007	0.003	0.001	0.008	0.01	0.002	0.009	--	0.01	0.0008		0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
193-G1	Garden	0.01	0.003	0.05	0.06	0.003	0.06	--	0.06	0.002	0.001	0.0004	0.006	0.007	0.0003	0.007	--	0.007	0.0002		0.02	0.8	0.06	0.09	0.03	1	0.6	0.5	0.1	0.006	0.3	0.008	0.02	0.009	0.6	0.2	0.2	0.1
193-H1	House	0.01	0.004	0.06	0.07	0.003	0.07	--	0.07	0.002	0.001	0.0005	0.007	0.008	0.0004	0.008	--	0.008	0.0003		0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
194-H1	House	0.008	0.004	0.05	0.07	0.003	0.07	--	0.07	0.003	0.0009	0.0004	0.006	0.008	0.0004	0.008	--	0.009	0.0003		0.02	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.009	0.02	0.009	0.6	0.2	0.2	0.1
194-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.006	0.09	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0007	0.01	--	0.01	0.0005		0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
195-G1	Garden	0.02	0.004	0.05	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.0008		0.04	0.8	0.06	0.1	0.04	1	0.6	0.5	0.1	0.007	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
195-G2	Garden	0.03	0.004	0.06	0.08	0.03	0.2	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.003	0.02	--	0.02	0.002		0.05	0.8	0.07	0.1	0.05	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
195-O1	Other -Not Specified	0.03	0.003	0.04	0.06	0.03	0.1	--	0.1	0.02	0.003	0.0003	0.005	0.007	0.003	0.01	--	0.01	0.002		0.04	0.8	0.05	0.09	0.05	1	0.6	0.5	0.2	0.008	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
196-A1	Agriculture	0.01	0.005	0.07	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0009	0.01	--	0.01	0.0007		0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
196-A2	Agriculture	0.02	0.006	0.08	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0007	0.009	0.009	0.001	0.01	--	0.01	0.001		0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
196-G1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.0008		0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
196-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.09	0.008	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0009		0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
197-H1	House	0.02	0.007	0.1	0.1	0.01	0.09	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.001		0.04	0.8	0.1	0.1	0.04	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
198-G1	Garden	0.03	0.005	0.07	0.08	0.01	0.2	--	0.1	0.008	0.004	0.0006	0.008	0.009	0.001	0.02	--	0.01	0.001		0.04	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
198-H1	House	0.03	0.008	0.1	0.1	0.02	0.2	--	0.2	0.01	0.004	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002		0.05	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
199-G1	Garden	0.01	0.006	0.09	0.1	0.004	0.1	--	0.1	0.002	0.001	0.0007	0.01	0.01	0.0004	0.01	--	0.01	0.0002		0.02	0.8	0.09	0.2	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.03	0.009	0.6	0.2	0.2	0.1
199-O1	Other -Not Specified	0.01	0.006	0.08	0.1	0.005	0.09	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0005	0.01	--	0.01	0.0004		0.02	0.8	0.09	0.2	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.03	0.009	0.6	0.2	0.2	0.1
200-G1	Garden	0.04	0.007	0.1	0.1	0.007	0.2	--	0.1	0.005	0.004	0.0008	0.01	0.01	0.0008	0.03	--	0.01	0.0006		0.05	0.8	0.1	0.2	0.03	1	0.6	0.5	0.1	0.009	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
200-H1	House	0.03	0.006	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0007	0.01	0.01	0.0007	0.02	--	0.01	0.0004		0.04	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
200-O1	Other -Not Specified	0.04	0.01	0.1	0.1	0.007	0.2	--	0.1	0.004	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0004		0.06	0.8	0.2	0.2	0.03	1	0.6	0.5	0.1	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1

Table 5-30. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Sucker

		Total HI Across COPCs by Pathway																		**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**									**Child**									**Adult**								
DU	DU Type																																				
201G[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
201-O1	Other -Not Specified	0.07	0.006	0.09	0.1	0.04	0.1	--	0.2	0.02	0.008	0.0007	0.01	0.01	0.005	0.01	--	0.02	0.003	0.08	0.8	0.1	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.03	0.01	0.6	0.2	0.2	0.1
202-H1	House	0.03	0.004	0.06	0.07	0.01	0.06	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.007	--	0.01	0.001	0.04	0.8	0.06	0.1	0.03	1	0.6	0.5	0.2	0.008	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
202-N1	Animal Activity Area	0.02	0.004	0.06	0.07	0.007	0.06	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0009	0.007	--	0.01	0.0006	0.03	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
202-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.07	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.0008	0.009	--	0.01	0.001	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
203-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.8	0.07	0.1	0.03	1	0.6	0.4	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
203-O1[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.8	0.07	0.1	0.03	1	0.6	0.4	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
203-O2	Other -Not Specified	0.1	0.004	0.07	0.09	0.07	0.2	--	0.3	0.03	0.02	0.0004	0.008	0.01	0.008	0.02	--	0.04	0.004	0.2	0.8	0.07	0.1	0.09	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.02	0.6	0.2	0.2	0.1
203-O3[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.8	0.07	0.1	0.03	1	0.6	0.4	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
203-O4[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.02	0.8	0.07	0.1	0.03	1	0.6	0.4	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
205-O1	Other -Not Specified	0.1	0.005	0.07	0.08	0.04	0.06	--	0.3	0.02	0.01	0.0006	0.008	0.01	0.004	0.007	--	0.04	0.003	0.1	0.8	0.08	0.1	0.06	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
206-A1	Agriculture	0.03	0.02	0.1	0.1	0.01	0.1	--	0.1	0.01	0.004	0.002	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
206-G1	Garden	0.02	0.007	0.07	0.08	0.007	0.1	--	0.09	0.006	0.002	0.0008	0.009	0.009	0.0008	0.01	--	0.01	0.0007	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
206-H1	House	0.009	0.005	0.06	0.08	0.003	0.08	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0003	0.009	--	0.008	0.0003	0.02	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.006	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
206-H2	House	0.03	0.04	0.2	0.1	0.03	0.2	--	0.2	0.03	0.004	0.005	0.02	0.01	0.003	0.02	--	0.02	0.003	0.04	0.9	0.2	0.1	0.05	1	0.6	0.6	0.2	0.008	0.3	0.03	0.02	0.01	0.6	0.2	0.2	0.1
206-O1	Other -Not Specified	0.06	0.008	0.1	0.1	0.03	0.2	--	0.3	0.02	0.007	0.0009	0.01	0.01	0.004	0.02	--	0.03	0.002	0.07	0.8	0.1	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
207-O1	Other -Not Specified	0.02	0.003	0.05	0.06	0.01	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.001	0.03	0.8	0.05	0.09	0.04	1	0.6	0.5	0.1	0.007	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
208AA	Animal Activity Area	0.04	0.005	0.07	0.07	0.02	0.09	--	0.1	0.01	0.005	0.0005	0.008	0.008	0.002	0.01	--	0.02	0.002	0.05	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
208BM	House	0.05	0.007	0.1	0.1	0.01	0.1	--	0.2	0.009	0.006	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001	0.06	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
208G	Garden	0.05	0.008	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.02	0.01	0.001	0.02	--	0.02	0.001	0.06	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
208-H1	House	0.07	0.004	0.07	0.07	0.03	0.2	--	0.2	0.02	0.009	0.0005	0.008	0.009	0.004	0.02	--	0.02	0.002	0.09	0.8	0.07	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
209A	Agriculture	0.04	0.006	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
209-G1	Garden	0.05	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.003	0.07	0.8	0.08	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
209-H1	House	0.09	0.005	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.8	0.09	0.1	0.06	1	0.6	0.7	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
209-P1	Play Area	0.1	0.005	0.08	0.09	0.04	0.2	--	0.3	0.04	0.01	0.0006	0.01	0.01	0.005	0.02	--	0.03	0.005	0.1	0.8	0.09	0.1	0.07	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
210-H1	House	0.04	0.005	0.06	0.08	0.009	0.09	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001	0.05	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
210-O1	Other -Not Specified	0.04	0.004	0.05	0.07	0.01	0.09	--	0.1	0.01	0.004	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.001	0.05	0.8	0.05	0.1	0.04	1	0.6	0.5	0.1	0.009	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
211-A1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001	0.04	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
211-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.004	0.003	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0005	0.04	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
211-G2	Garden	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0006	0.04	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
211-H1	House	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.009	0.002	0.0006	0.009	0.009	0.0009	0.01	--	0.01	0.001	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
211-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.02	0.002	0.04	0.8	0.07	0.1	0.03	1	0.6	0.5	0.2	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
212-H1	House	0.03	0.005	0.08	0.2	0.03	0.08	--	0.2	0.02	0.003	0.0006	0.009	0.02	0.004	0.009	--	0.02	0.003	0.04	0.8	0.08	0.2	0.05	1	0.6	0.6	0.2	0.008	0.3	0.01	0.03	0.01	0.6	0.2	0.2	0.1
212-H2	House	0.03	0.004	0.06	0.1	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.002	0.007	--	0.01	0.002	0.04	0.8	0.07	0.1	0.04	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
213-O1	Other -Not Specified	0.04	0.009	0.1	0.1	0.006	0.2	--	0.1	0.004	0.005	0.001	0.01	0.01	0.0007	0.02	--	0.01	0.0004	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
213-O2	Other -Not Specified	0.05	0.007	0.1	0.09	0.01	0.2	--	0.2	0.006	0.006	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.06	0.8	0.1	0.1	0.04	1	0.6	0.6	0.1	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
213-O3	Other -Not Specified	0.04	0.007	0.1	0.1	0.008	0.1	--	0.1	0.004	0.004	0.0008	0.01	0.02	0.001	0.01	--	0.02	0.0005	0.05	0.8	0.1	0.2	0.03	1	0.6	0.5	0.1	0.009	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
21G	Garden	0.07	0.005	0.07	0.07	0.04	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.009	0.005	0.02	--	0.02	0.003	0.08	0.8	0.07	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
226C	House	0.07	0.004	0.05	0.06	0.04	0.08	--	0.3	0.02	0.008	0.0004	0.006	0.007	0.005	0.009	--	0.03	0.002	0.08	0.8	0.06	0.09	0.07	1	0.6	0.6	0.2	0.01	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
230G	Garden	0.02	0.005	0.07	0.07	0.008	0.07	--	0.1	0.004	0.003	0.0006	0.008	0.009	0.001	0.008	--	0.01	0.0005	0.04	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
231Lower	Other -Not Specified	0.05	0.005	0.07	0.08	0.01	0.09	--	0.2	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001	0.06	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
238G	Garden	0.02	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.008	0.0005	0.009	--	0.01	0.0005	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
238M	Other -Not Specified	0.02	0.005	0.07	0.07	0.003	0.07	--	0.09	0.003	0.002	0.0006	0.008	0.009	0.0004	0.008	--	0.01	0.0004	0.03	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
280yard	House	0.05	0.006	0.1	0.09	0.03	0.2	--	0.2	0.02	0.006	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.003	0.07	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
284M	House	0.03	0.005	0.08	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.001	0.04	0.8	0.09	0.1	0.04	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
285M	Other -Not Specified	0.04	0.005	0.09	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.01	0.009	0.002	0.01	--	0.02	0.001	0.05	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
288G1	Garden	0.03	0.006	0.08	0.08	0.008	0.08	--	0.1	0.006	0.003	0.0007	0.009	0.009	0.0009	0.009	--	0.01	0.0007	0.04	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
288G2	Garden	0.02	0.007	0.08	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0008	0.009	0.01	0.0008	0.009	--	0.01	0.0005	0.03	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
289G3	Garden	0.02	0.005	0.07	0.07	0.007	0.07	--	0.1	0.006	0.003	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0007	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
317M	Play Area	0.1	0.006	0.1	0.1	0.04	0.1	--	0.4	0.05	0.02	0.0008	0.01	0.01	0.005	0.01	--	0.04	0.005	0.2	0.8	0.1	0.1	0.06	1	0.6	0.7	0.2	0.02	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
319M[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
320new	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.03	0.01	0.0008	0.01	0.01	0.004	0.01	--	0.03	0.003	0.1	0.8	0.1	0.1	0.06	1	0.6	0.6	0.2	0.02	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
35PA[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.03	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
59A	House	0.09	0.004	0.05	0.06	0.04	0.1	--	0.2	0.03	0.01	0.0004	0.006	0.007	0.004	0.01	--	0.02	0.003	0.1	0.8	0.06	0.09	0.06	1	0.6	0.6	0.2	0.02	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
62G	Garden	0.04	0.006	0.09	0.1	0.007	0.1	--	0.1	0.006	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
72M	Agriculture	0.07	0.008	0.09	0.09	0.03	0.1	--	0.2	0.02	0.008	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002	0.08	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
72U	Other -Not Specified	0.05	0.01	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.8	0.1	0.2	0.04	1	0.6	0.6	0.1	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
94M	Agriculture	0.03	0.006	0.1	0.1	0.008	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.01	0.0009	0.01	--	0.02	0.0007	0.04	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
999G1	Garden	0.04	0.008	0.09	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.0009	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
999M1	House	0.03	0.007	0.1	0.1	0.008	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.01	0.0009	0.02	--	0.01	0.0008	0.04	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
999M2	Garden	0.03	0.009	0.1	0.1	0.005	0.1	--	0.1	0.004	0.003	0.001	0.02	0.01	0.0006	0.02	--	0.01	0.0005	0.04	0.8	0.1	0.2	0.03	1	0.6	0.5	0.1	0.008	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
999M3	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.06	0.8	0.2	0.2	0.04	1	0.6	0.6	0.2	0.01	0.3	0.03	0.03	0.01	0.6	0.2	0.2	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-31. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									**Adult**										**Child**									**Adult**								
Indoor Air		--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																		
Outdoor Air		--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02		**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exeed benchmark[c] when risk is summed across pathways:**								
Fish (Walleye)		0.3	0.5	0.3	0.005	0.03	0.5	0.2	1	--	0.1	0.2	0.1	0.002	0.01	0.2	0.06	0.4	--																		
Residential Soil/Dust[a]		**Number of DUs that exceed benchmark[c] for Soil/Dust:**									**Number of DUs that exceed benchmark[c] for Soil/Dust:**																												
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.3	0.5	0.4	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
9	Agriculture	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
13	Other -Not Specified	0.05	0.005	0.09	0.09	0.01	0.2	--	0.1	0.008	0.006	0.0006	0.01	0.01	0.001	0.02	--	0.02	0.0009		0.3	0.5	0.4	0.09	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
14	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.008	0.005	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0009		0.3	0.5	0.4	0.09	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
15	House	0.04	0.005	0.08	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0006	0.009	0.009	0.001	0.01	--	0.02	0.001		0.3	0.5	0.4	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
16	Other -Not Specified	0.08	0.005	0.1	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004		0.4	0.5	0.4	0.09	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
17	Other -Not Specified	0.04	0.007	0.09	0.09	0.02	0.1	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002		0.3	0.5	0.4	0.09	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
18[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.3	0.5	0.4	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
20[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.3	0.5	0.4	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
21	House	0.03	0.006	0.08	0.08	0.01	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.009	0.001	0.01	--	0.01	0.0008		0.3	0.5	0.4	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
22	House	0.07	0.005	0.08	0.08	0.01	0.1	--	0.2	0.01	0.008	0.0005	0.009	0.009	0.002	0.01	--	0.02	0.001		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
25	House	0.03	0.005	0.09	0.09	0.007	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.0009	0.01	--	0.01	0.0005		0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
27	Other -Not Specified	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
28	Garden	0.02	0.006	0.08	0.08	0.004	0.1	--	0.08	0.003	0.002	0.0006	0.01	0.009	0.0005	0.01	--	0.01	0.0003		0.3	0.5	0.4	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
29	Other -Not Specified	0.02	0.005	0.08	0.08	0.007	0.09	--	0.09	0.004	0.003	0.0006	0.009	0.009	0.0008	0.01	--	0.01	0.0004		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
30	Other -Not Specified	0.04	0.007	0.1	0.09	0.007	0.1	--	0.1	0.004	0.005	0.0008	0.01	0.01	0.0008	0.02	--	0.01	0.0005		0.3	0.5	0.4	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
31	Other -Not Specified	0.06	0.006	0.1	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002		0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
33	House	0.05	0.005	0.07	0.07	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.009	0.003	0.02	--	0.02	0.002		0.3	0.5	0.3	0.08	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
35[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.3	0.5	0.4	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
39[b]	Agriculture	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.3	0.5	0.4	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
40[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.3	0.5	0.4	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
42	House	0.02	0.004	0.05	0.07	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.001		0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
44	Agriculture	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008		0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
46	Other -Not Specified	0.04	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.002		0.3	0.5	0.3	0.07	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
47	Agriculture	0.03	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0005	0.008	0.01	0.003	0.01	--	0.02	0.002		0.3	0.5	0.3	0.09	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
49[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.3	0.5	0.4	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
55	House	0.02	0.006	0.08	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0007	0.009	0.01	0.0007	0.01	--	0.01	0.0007		0.3	0.5	0.4	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
56	Other -Not Specified	0.04	0.006	0.1	0.1	0.02	0.1	--	0.2	0.02	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
58	Agriculture	0.02	0.006	0.08	0.08	0.009	0.1	--	0.1	0.006	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0007		0.3	0.5	0.4	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
59	House	0.04	0.003	0.04	0.05	0.03	0.09	--	0.1	0.02	0.005	0.0003	0.005	0.006	0.003	0.01	--	0.02	0.002		0.3	0.5	0.3	0.05	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.007	0.01	0.5	0.06	0.4	0.1
60	Garden	0.03	0.005	0.06	0.07	0.008	0.1	--	0.1	0.005	0.003	0.0006	0.007	0.008	0.0009	0.01	--	0.01	0.0006		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
61	House	0.04	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.005	0.0004	0.006	0.008	0.002	0.01	--	0.02	0.001		0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
62	House	0.04	0.006	0.09	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
66	Other -Not Specified	0.05	0.005	0.07	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.001		0.3	0.5	0.3	0.08	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
67	Garden	0.05	0.005	0.08	0.08	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002		0.3	0.5	0.3	0.09	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
70	House	0.06	0.008	0.09	0.09	0.02	0.1	--	0.2	0.02	0.007	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.002		0.3	0.5	0.4	0.1	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
71	Garden	0.06	0.009	0.1	0.09	0.02	0.1	--	0.1	0.01	0.007	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001		0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
72	Garden	0.06	0.01	0.1	0.1	0.02	0.1	--	0.2	0.02	0.007	0.001	0.02	0.01	0.003	0.01	--	0.02	0.003		0.3	0.5	0.4	0.1	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
75	House	0.06	0.005	0.08	0.08	0.06	0.2	--	0.2	0.04	0.007	0.0005	0.01	0.01	0.007	0.02	--	0.03	0.004		0.3	0.5	0.4	0.09	0.09	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
82	House	0.03	0.006	0.1	0.1	0.007	0.1	--	0.1	0.005	0.004	0.0007	0.01	0.01	0.0008	0.02	--	0.01	0.0006		0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
85	House	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.004	0.002	0.0006	0.008	0.008	0.0005	0.008	--	0.01	0.0005		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
86	Agriculture	0.03	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001		0.3	0.5	0.4	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
87	Agriculture	0.02	0.005	0.07	0.07	0.009	0.08	--	0.1	0.008	0.003	0.0005	0.008	0.008	0.001	0.009	--	0.01	0.001		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
106	House	0.1	0.005	0.06	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0005	0.007	0.009	0.004	0.02	--	0.03	0.002		0.4	0.5	0.3	0.08	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
107	Garden	0.07	0.006	0.08	0.09	0.03	0.2	--	0.2	0.01	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.02	0.002		0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
108	Garden	0.09	0.008	0.07	0.08	0.02	0.1	--	0.2	0.01	0.01	0.0009	0.009	0.01	0.002	0.02	--	0.02	0.002		0.4	0.5	0.3	0.09	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
109[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.3	0.5	0.4	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
110	House	0.03	0.004	0.05	0.06	0.008	0.1	--	0.1	0.007	0.004	0.0005	0.006	0.007	0.001	0.01	--	0.01	0.0008		0.3	0.5	0.3	0.06	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.008	0.01	0.5	0.06	0.4	0.1
111	Other -Not Specified	0.03	0.004	0.06	0.06	0.008	0.1	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.001	0.01	--	0.01	0.0007		0.3	0.5	0.3	0.06	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
112	House	0.1	0.005	0.08	0.07	0.04	0.2	--	0.3	0.04	0.02	0.0006	0.009	0.009	0.005	0.02	--	0.03	0.004		0.4	0.5	0.4	0.08	0.07	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
121	House	0.04	0.008	0.2	0.1	0.01	0.2	--	0.2	0.02	0.005	0.001	0.02	0.01	0.001	0.03	--	0.02	0.002		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
122	Other -Not Specified	0.06	0.008	0.1	0.1	0.009	0.2	--	0.2	0.007	0.007	0.001	0.02	0.01	0.001	0.02	--	0.02	0.0008		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
123	House	0.06	0.005	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.0006	0.01	0.009	0.004	0.02	--	0.03	0.003		0.3	0.5	0.4	0.08	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
135	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.001		0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
146	House	0.04	0.005	0.08	0.09	0.006	0.1	--	0.1	0.008	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.02	0.0009		0.3	0.5	0.4	0.09	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
147	Garden	0.02	0.005	0.06	0.07	0.005	0.09	--	0.09	0.004	0.003	0.0006	0.007	0.008	0.0005	0.01	--	0.01	0.0004		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
151[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.3	0.5	0.4	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
152	Other -Not Specified	0.04	0.007	0.1	0.09	0.01	0.1	--	0.2	0.02	0.005	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002		0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
154	House	0.02	0.003	0.04	0.05	0.005	0.06	--	0.06	0.005	0.002	0.0004	0.005	0.006	0.0006	0.007	--	0.007	0.0006		0.3	0.5	0.3	0.06	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.008	0.01	0.5	0.06	0.4	0.1
160	House	0.05	0.006	0.08	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.009	0.001	0.02	--	0.02	0.001		0.3	0.5	0.4	0.08	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
163	House	0.06	0.005	0.07	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1

Table 5-31. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
164	Agriculture	0.05	0.006	0.09	0.09	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
167	Agriculture	0.03	0.004	0.06	0.06	0.005	0.08	--	0.1	0.006	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0007	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
168	House	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.3	0.5	0.4	0.09	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
169	Other -Not Specified	0.06	0.006	0.08	0.08	0.03	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.009	0.004	0.02	--	0.02	0.002	0.3	0.5	0.4	0.09	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
170[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
175	Other -Not Specified	0.05	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
177	Agriculture	0.07	0.004	0.05	0.06	0.01	0.1	--	0.2	0.01	0.008	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
185	House	0.07	0.007	0.1	0.1	0.02	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002	0.3	0.5	0.4	0.1	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
186	House	0.05	0.005	0.08	0.07	0.02	0.09	--	0.2	0.02	0.006	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.002	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
189	House	0.07	0.007	0.09	0.09	0.01	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
192	House	0.05	0.009	0.1	0.1	0.02	0.1	--	0.2	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002	0.3	0.5	0.4	0.1	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
193	House	0.05	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.005	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.001	0.3	0.5	0.3	0.09	0.05	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
194[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.3	0.5	0.4	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
196[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.3	0.5	0.4	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
201	House	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
203[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.3	0.5	0.4	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
206	House	0.04	0.005	0.08	0.07	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.001	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
208	Other -Not Specified	0.05	0.006	0.1	0.09	0.04	0.1	--	0.2	0.01	0.006	0.0007	0.01	0.01	0.005	0.02	--	0.02	0.002	0.3	0.5	0.4	0.1	0.07	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
213	Other -Not Specified	0.09	0.005	0.07	0.07	0.04	0.1	--	0.2	0.03	0.01	0.0006	0.008	0.009	0.004	0.02	--	0.03	0.003	0.4	0.5	0.3	0.08	0.07	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
216	House	0.07	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	0.0004	0.008	0.009	0.004	0.02	--	0.02	0.002	0.3	0.5	0.3	0.08	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
218[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.3	0.5	0.4	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
229	Play Area	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.003	0.002	0.0005	0.008	0.008	0.0005	0.008	--	0.01	0.0003	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
231	House	0.06	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.001	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
246	Play Area	0.01	0.005	0.06	0.06	0.004	0.06	--	0.07	0.003	0.002	0.0005	0.007	0.007	0.0004	0.006	--	0.008	0.0004	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
249	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.09	--	0.1	0.006	0.004	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.0007	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
250	House	0.05	0.004	0.06	0.06	0.01	0.1	--	0.1	0.008	0.005	0.0004	0.007	0.007	0.002	0.01	--	0.01	0.0009	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
253	House	0.03	0.004	0.06	0.07	0.008	0.07	--	0.1	0.009	0.003	0.0005	0.007	0.008	0.001	0.008	--	0.01	0.001	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
280	Other -Not Specified	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.003	0.3	0.5	0.4	0.09	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
287	Agriculture	0.03	0.004	0.08	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0005	0.009	0.009	0.003	0.02	--	0.02	0.002	0.3	0.5	0.4	0.08	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
288	House	0.02	0.005	0.07	0.07	0.006	0.07	--	0.09	0.006	0.002	0.0006	0.008	0.008	0.0007	0.008	--	0.01	0.0007	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
291	Agriculture	0.02	0.004	0.05	0.06	0.007	0.06	--	0.1	0.006	0.002	0.0005	0.006	0.007	0.0009	0.007	--	0.01	0.0007	0.3	0.5	0.3	0.06	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
306	Other -Not Specified	0.03	0.004	0.06	0.06	0.007	0.07	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.0009	0.008	--	0.01	0.0007	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
315	House	0.02	0.007	0.08	0.08	0.004	0.09	--	0.1	0.003	0.003	0.0008	0.01	0.01	0.0005	0.01	--	0.01	0.0003	0.3	0.5	0.4	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
316	Other -Not Specified	0.03	0.006	0.09	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.002	0.02	--	0.01	0.001	0.3	0.5	0.4	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
317	House	0.08	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.009	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.002	0.4	0.5	0.4	0.1	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
318	Other -Not Specified	0.1	0.006	0.1	0.09	0.03	0.1	--	0.3	0.04	0.01	0.0007	0.01	0.01	0.004	0.01	--	0.03	0.005	0.4	0.5	0.4	0.1	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
319	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.05	0.01	0.0008	0.01	0.01	0.005	0.02	--	0.04	0.006	0.4	0.5	0.4	0.1	0.07	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
325	Garden	0.03	0.005	0.07	0.07	0.005	0.08	--	0.09	0.003	0.003	0.0006	0.008	0.008	0.0006	0.01	--	0.01	0.0004	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
326	Other -Not Specified	0.02	0.005	0.06	0.07	0.006	0.06	--	0.1	0.005	0.002	0.0005	0.007	0.008	0.0007	0.007	--	0.01	0.0006	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
327	Other -Not Specified	0.02	0.004	0.05	0.06	0.005	0.05	--	0.09	0.004	0.002	0.0005	0.006	0.008	0.0005	0.006	--	0.01	0.0004	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
345	Play Area	0.03	0.006	0.1	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
346	Garden	0.05	0.007	0.1	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002	0.3	0.5	0.4	0.09	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
347	Other -Not Specified	0.05	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.006	0.0005	0.009	0.008	0.003	0.01	--	0.02	0.003	0.3	0.5	0.3	0.07	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
801	Other -Not Specified	0.06	0.003	0.05	0.09	0.03	0.05	--	0.2	0.02	0.007	0.0004	0.005	0.01	0.003	0.006	--	0.02	0.002	0.3	0.5	0.3	0.09	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
1001	Other -Not Specified	0.08	0.004	0.05	0.1	0.04	0.05	--	0.2	0.03	0.009	0.0004	0.006	0.01	0.004	0.006	--	0.03	0.003	0.4	0.5	0.3	0.1	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
1005	Garden	0.04	0.006	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0008	0.009	0.01	0.002	0.01	--	0.02	0.001	0.3	0.5	0.4	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
1006	House	0.03	0.008	0.08	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.0009	0.3	0.5	0.4	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
1007	Garden	0.02	0.009	0.08	0.08	0.007	0.1	--	0.1	0.005	0.003	0.001	0.009	0.01	0.0008	0.01	--	0.01	0.0006	0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
1008	Agriculture	0.02	0.009	0.06	0.07	0.01	0.08	--	0.1	0.01	0.003	0.001	0.007	0.008	0.001	0.01	--	0.01	0.001	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
1010	Agriculture	0.03	0.008	0.06	0.07	0.02	0.09	--	0.1	0.01	0.004	0.0009	0.007	0.008	0.002	0.01	--	0.01	0.001	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
1011	Agriculture	0.04	0.005	0.04	0.05	0.02	0.06	--	0.1	0.01	0.005	0.0005	0.005	0.005	0.002	0.007	--	0.01	0.002	0.3	0.5	0.3	0.05	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.007	0.01	0.5	0.06	0.4	0.1
1015	Garden	0.02	0.005	0.08	0.09	0.006	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0005	0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
1017	Garden	0.03	0.003	0.05	0.07	0.01	0.09	--	0.1	0.008	0.003	0.0004	0.006	0.008	0.001	0.01	--	0.01	0.001	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
1018	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.08	0.004	0.002	0.0004	0.007	0.009	0.0008	0.01	--	0.01	0.0005	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
1020	Garden	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.001	0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
1021[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.3	0.5	0.4	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
1030[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
1035	Garden	0.05	0.009	0.1	0.09	0.01	0.2	--	0.2	0.01	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
1036	Play Area	0.03	0.006	0.09	0.09	0.009	0.1	--	0.1	0.007	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.0008	0.3	0.5	0.4	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
1037	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.3	0.5	0.4	0.09	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
1060	House	0.03	0.005	0.07	0.07	0.01	0.09	--	0.1	0.01	0.003	0.0005	0.008	0.008	0.001	0.01	--	0.01	0.001	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
3000	House	0.01	0.005	0.06	0.07	0.003	0.06	--	0.08	0.002	0.002	0.0005	0.007	0.009	0.0004	0.007	--	0.009	0.0003	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
3001	Garden	0.08	0.01	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.001	0.02	0.02	0.004	0.02	--	0.03	0.002	0.4	0.5	0.4	0.1	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
3003	Other -Not Specified	0.1	0.007	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.0009	0.01	0.01	0.003	0.01	--	0.03	0.003	0.4	0.5	0.4	0.1	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
3004	House	0.03	0.005	0.07	0.07	0.01	0.1	--	0.1	0.006	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0007	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
075-A1	Agriculture	0.02	0.006	0.08	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0007	0.009	0.01	0.001	0.01	--	0.01	0.001	0.3	0.5	0.4	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1

Table 5-31. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
075-H1	House	0.03	0.005	0.07	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.002	0.02	--	0.02	0.002	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
075-O1	Other -Not Specified	0.03	0.005	0.06	0.2	0.02	0.08	--	0.2	0.02	0.004	0.0006	0.008	0.02	0.003	0.01	--	0.02	0.003	0.3	0.5	0.3	0.2	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
076-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
076-G2	Garden	0.05	0.007	0.09	0.1	0.02	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
076-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.001	0.03	--	0.02	0.002	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
076-H2	House	0.04	0.006	0.09	0.09	0.01	0.2	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.3	0.5	0.4	0.09	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
076-N1	Animal Activity Area	0.04	0.007	0.1	0.1	0.03	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
077-A1	Agriculture	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.006	0.008	0.0004	0.009	--	0.008	0.0003	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
077-A2	Agriculture	0.009	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.009	--	0.008	0.0004	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
077-G1	Garden	0.01	0.004	0.06	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
077-H1	House	0.01	0.004	0.05	0.06	0.004	0.07	--	0.07	0.003	0.001	0.0004	0.006	0.007	0.0004	0.008	--	0.008	0.0004	0.3	0.5	0.3	0.06	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
077-H2	House	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0005	0.009	--	0.008	0.0004	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
077-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.008	0.0005	0.009	--	0.009	0.0004	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
078-G1	Garden	0.01	0.004	0.05	0.07	0.003	0.09	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0004	0.01	--	0.008	0.0005	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
078-H1	House	0.007	0.003	0.04	0.06	0.002	0.06	--	0.06	0.003	0.0009	0.0004	0.005	0.007	0.0002	0.007	--	0.006	0.0003	0.3	0.5	0.3	0.06	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.008	0.01	0.5	0.06	0.4	0.1
078-N1	Animal Activity Area	0.01	0.004	0.05	0.06	0.003	0.07	--	0.06	0.003	0.001	0.0005	0.006	0.007	0.0003	0.008	--	0.007	0.0003	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
078-O1	Other -Not Specified	0.009	0.004	0.06	0.07	0.002	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0003	0.01	--	0.008	0.0004	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
079-H1	House	0.03	0.005	0.06	0.09	0.009	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.001	0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
079-H2	House	0.04	0.007	0.07	0.08	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.008	0.009	0.002	0.02	--	0.02	0.001	0.3	0.5	0.3	0.09	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
080-H1	House	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.004	0.004	0.001	0.02	0.01	0.0005	0.02	--	0.02	0.0004	0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
081-A1	Agriculture	0.02	0.005	0.08	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0006	0.3	0.5	0.4	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
081-H1	House	0.02	0.007	0.1	0.1	0.006	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.0007	0.01	--	0.01	0.001	0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
081-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.02	0.003	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
082-G1	Garden	0.01	0.004	0.06	0.07	0.003	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.008	0.0004	0.01	--	0.009	0.0003	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
082-G2	Garden	0.02	0.004	0.06	0.07	0.005	0.1	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
082-H1	House	0.01	0.004	0.05	0.07	0.004	0.09	--	0.08	0.004	0.001	0.0004	0.006	0.008	0.0004	0.01	--	0.009	0.0005	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
082-N1	Animal Activity Area	0.01	0.004	0.05	0.07	0.004	0.1	--	0.08	0.004	0.002	0.0005	0.006	0.008	0.0005	0.01	--	0.009	0.0005	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
082-N2	Animal Activity Area	0.02	0.004	0.06	0.07	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
083-G1	Garden	0.02	0.005	0.08	0.09	0.005	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0006	0.3	0.5	0.4	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
083-G2	Garden	0.02	0.005	0.07	0.08	0.005	0.1	--	0.09	0.004	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0005	0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
083-H1	House	0.02	0.005	0.07	0.08	0.006	0.09	--	0.09	0.007	0.002	0.0006	0.009	0.009	0.0007	0.01	--	0.01	0.0008	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
084-H1	House	0.01	0.005	0.07	0.09	0.005	0.1	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0004	0.3	0.5	0.3	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
085-H1	House	0.02	0.004	0.06	0.07	0.008	0.1	--	0.09	0.007	0.002	0.0005	0.007	0.008	0.0009	0.01	--	0.01	0.0008	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
085-O1	Other -Not Specified	0.03	0.006	0.1	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.009	0.002	0.02	--	0.01	0.001	0.3	0.5	0.4	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
085-P1	Play Area	0.05	0.008	0.09	0.09	0.02	0.2	--	0.2	0.02	0.006	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002	0.3	0.5	0.4	0.09	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
086-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.009	0.001	0.02	--	0.01	0.0009	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
086-H1	House	0.02	0.003	0.06	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.01	0.001	0.02	--	0.01	0.0008	0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
086-H2	House	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.3	0.5	0.3	0.09	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
087-H1	House	0.02	0.003	0.06	0.07	0.008	0.1	--	0.09	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
087-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.3	0.5	0.3	0.09	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
088-H1	House	0.06	0.005	0.08	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.003	0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
088-H2	House	0.04	0.004	0.06	0.07	0.01	0.1	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.002	0.01	--	0.02	0.002	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
088-O1	Other -Not Specified	0.05	0.004	0.07	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.3	0.5	0.3	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
089-A1	Agriculture	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.008	0.004	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.0009	0.3	0.5	0.3	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
089-H1	House	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.001	0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
089-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0008	0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
090-H1	House	0.01	0.005	0.06	0.08	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.007	0.009	0.001	0.01	--	0.01	0.0009	0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
090-O2	Other -Not Specified	0.01	0.007	0.09	0.1	0.01	0.2	--	0.1	0.007	0.002	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
091-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.1	--	0.1	0.009	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.001	0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
091-H1	House	0.03	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0008	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
092-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.07	--	0.1	0.02	0.002	0.0005	0.006	0.007	0.002	0.009	--	0.02	0.002	0.3	0.5	0.3	0.07	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
092-O2	Other -Not Specified	0.02	0.004	0.05	0.06	0.01	0.08	--	0.1	0.01	0.003	0.0005	0.006	0.007	0.002	0.009	--	0.01	0.001	0.3	0.5	0.3	0.06	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
093-H1	House	0.03	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.003	0.0004	0.007	0.009	0.001	0.01	--	0.01	0.0007	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
094-H1	House	0.03	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.02	--	0.01	0.0009	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
094-P1	Play Area	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001	0.3	0.5	0.3	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
095-A1	Agriculture	0.04	0.004	0.06	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0004	0.007	0.01	0.003	0.02	--	0.02	0.002	0.3	0.5	0.3	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
095-H1	House	0.04	0.005	0.07	0.1	0.02	0.2	--	0.2	0.01	0.005	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002	0.3	0.5	0.3	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
095-O1	Other -Not Specified	0.04	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.3	0.5	0.3	0.09	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
095-O2	Other -Not Specified	0.05	0.005	0.07	0.1	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.002	0.3	0.5	0.3	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
096-H1	House	0.04	0.006	0.08	0.09	0.02	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
096-O1	Other -Not Specified	0.07	0.006	0.08	0.1	0.02	0.2	--	0.2	0.03	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003	0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
097-H1	House	0.02	0.005	0.07	0.09	0.01	0.09	--	0.2	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001	0.3	0.5	0.3	0.1	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
097-H2	House	0.02	0.005	0.06	0.08	0.008	0.07	--	0.2	0.01	0.002	0.0006	0.008	0.01	0.0009	0.009	--	0.02	0.001	0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
098-G1	Garden	0.01	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.01	--	0.009	0.0003	0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
098-H1	House	0.008	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.009	--	0.009	0.0004	0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
098-O1	Other -Not Specified	0.008	0.004	0.06	0.09	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.007	0.01	0.0004	0.009	--	0.009	0.0003	0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
099-A1	Agriculture	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009	0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1

Table 5-31. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																		Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
099-G2	Garden	0.02	0.004	0.05	0.07	0.009	0.1	--	0.09	0.007	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.0008	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
099-H1	House	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.007	0.002	0.01	--	0.01	0.002	0.3	0.5	0.3	0.06	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.008	0.01	0.5	0.06	0.4	0.1
099-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002	0.3	0.5	0.3	0.06	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
100-G1	Garden	0.02	0.005	0.08	0.1	0.006	0.1	--	0.1	0.006	0.002	0.0006	0.01	0.01	0.0007	0.01	--	0.02	0.0007	0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
100-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.02	0.003	0.0006	0.009	0.009	0.002	0.01	--	0.02	0.002	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
100-N1	Animal Activity Area	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.009	0.01	0.001	0.02	--	0.01	0.001	0.3	0.5	0.4	0.09	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
100-N2	Animal Activity Area	0.03	0.005	0.09	0.1	0.009	0.1	--	0.1	0.007	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0008	0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
100-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.01	0.001	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
101-G1	Garden	0.02	0.007	0.1	0.09	0.008	0.1	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.0009	0.02	--	0.01	0.0006	0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
101-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.002	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
101-O1	Other -Not Specified	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
102-G1	Garden	0.02	0.007	0.1	0.1	0.008	0.2	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0006	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
102-H1	House	0.02	0.008	0.09	0.09	0.004	0.1	--	0.08	0.003	0.002	0.0009	0.01	0.01	0.0004	0.01	--	0.01	0.0003	0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
103-H1	House	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001	0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
103-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.001	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
104-H1	House	0.07	0.005	0.07	0.09	0.01	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002	0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
104-H2	House	0.06	0.004	0.06	0.08	0.01	0.1	--	0.2	0.01	0.007	0.0005	0.007	0.01	0.001	0.02	--	0.02	0.002	0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
104-N1	Animal Activity Area	0.06	0.004	0.05	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.006	0.008	0.001	0.02	--	0.02	0.001	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
105-H1	House	0.03	0.003	0.04	0.05	0.01	0.08	--	0.1	0.008	0.004	0.0003	0.005	0.006	0.001	0.009	--	0.01	0.001	0.3	0.5	0.3	0.06	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.008	0.01	0.5	0.06	0.4	0.1
105-P1	Play Area	0.03	0.002	0.03	0.04	0.03	0.08	--	0.1	0.01	0.004	0.0002	0.003	0.005	0.003	0.009	--	0.01	0.001	0.3	0.5	0.3	0.05	0.05	0.9	0.2	1	0.1	0.1	0.2	0.1	0.007	0.01	0.5	0.06	0.4	0.1
106-G1	Garden	0.01	0.006	0.07	0.06	0.005	0.08	--	0.08	0.003	0.001	0.0007	0.009	0.008	0.0006	0.009	--	0.009	0.0004	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
106-G2	Garden	0.01	0.005	0.07	0.08	0.006	0.1	--	0.08	0.003	0.002	0.0005	0.008	0.009	0.0007	0.01	--	0.009	0.0004	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
106-H1	House	0.01	0.005	0.06	0.08	0.003	0.08	--	0.07	0.003	0.001	0.0006	0.008	0.009	0.0004	0.01	--	0.008	0.0003	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
106-O1	Other -Not Specified	0.01	0.006	0.07	0.08	0.004	0.08	--	0.07	0.002	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.008	0.0003	0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
107-H1	House	0.02	0.004	0.05	0.07	0.03	0.1	--	0.1	0.01	0.002	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.001	0.3	0.5	0.3	0.08	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
108-H1	House	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0009	0.3	0.5	0.3	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
108-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.002	0.3	0.5	0.3	0.1	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
108-O2	Other -Not Specified	0.02	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
109-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
110-A1	Agriculture	0.03	0.004	0.08	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.002	0.02	--	0.02	0.001	0.3	0.5	0.3	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
110G	Garden	0.03	0.004	0.06	0.06	0.005	0.1	--	0.1	0.004	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0004	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
110-G1	Garden	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0004	0.008	0.01	0.001	0.02	--	0.01	0.0009	0.3	0.5	0.3	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
110-G2	Garden	0.01	0.004	0.07	0.1	0.005	0.1	--	0.09	0.004	0.002	0.0004	0.008	0.01	0.0006	0.02	--	0.01	0.0005	0.3	0.5	0.3	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
110-H1	House	0.02	0.004	0.06	0.09	0.009	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.01	0.001	0.01	--	0.01	0.0008	0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
110-O1	Other -Not Specified	0.01	0.003	0.05	0.07	0.007	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.0008	0.01	--	0.01	0.0006	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
110-O2	Other -Not Specified	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.3	0.5	0.3	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
111-H1	House	0.02	0.004	0.06	0.07	0.004	0.08	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0005	0.01	--	0.01	0.0004	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
112G	Garden	0.09	0.008	0.08	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0009	0.009	0.009	0.005	0.02	--	0.02	0.002	0.4	0.5	0.4	0.08	0.07	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
112-G1	Garden	0.05	0.01	0.09	0.09	0.02	0.1	--	0.1	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002	0.3	0.5	0.4	0.09	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
112-H1	House	0.04	0.01	0.08	0.08	0.02	0.09	--	0.1	0.02	0.005	0.001	0.009	0.01	0.002	0.01	--	0.01	0.002	0.3	0.5	0.4	0.09	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
112-O1	Other -Not Specified	0.07	0.009	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.001	0.009	0.01	0.004	0.01	--	0.02	0.004	0.3	0.5	0.4	0.09	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
113-G1	Garden	0.04	0.006	0.09	0.1	0.03	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
113-G2	Garden	0.05	0.007	0.1	0.1	0.03	0.2	--	0.2	0.02	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.3	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
113-G3	Garden	0.03	0.005	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.007	0.008	0.002	0.01	--	0.01	0.001	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
113low	Other -Not Specified	0.08	0.006	0.08	0.1	0.02	0.2	--	0.2	0.02	0.009	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003	0.4	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
113-O1	Other -Not Specified	0.03	0.005	0.08	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.01	0.002	0.3	0.5	0.4	0.09	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
113up	Other -Not Specified	0.1	0.005	0.08	0.08	0.03	0.2	--	0.3	0.03	0.01	0.0005	0.009	0.009	0.004	0.02	--	0.03	0.004	0.4	0.5	0.3	0.08	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
114-G1	Garden	0.03	0.005	0.05	0.1	0.02	0.07	--	0.1	0.03	0.004	0.0005	0.006	0.01	0.002	0.009	--	0.02	0.003	0.3	0.5	0.3	0.1	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
114-H1	House	0.04	0.005	0.06	0.2	0.02	0.08	--	0.2	0.03	0.004	0.0006	0.007	0.02	0.003	0.01	--	0.02	0.004	0.3	0.5	0.3	0.2	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
114-O1	Other -Not Specified	0.03	0.006	0.06	0.2	0.02	0.08	--	0.2	0.03	0.003	0.0006	0.008	0.02	0.002	0.009	--	0.02	0.003	0.3	0.5	0.3	0.2	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
115-O1	Other -Not Specified	0.1	0.008	0.1	0.1	0.03	0.1	--	0.3	0.02	0.02	0.0009	0.01	0.01	0.004	0.01	--	0.04	0.002	0.4	0.5	0.4	0.1	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
115SP	Other -Not Specified	0.09	0.005	0.08	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0006	0.009	0.01	0.007	0.02	--	0.04	0.003	0.4	0.5	0.3	0.09	0.09	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
116M	House	0.06	0.004	0.07	0.1	0.05	0.07	--	0.2	0.02	0.007	0.0005	0.008	0.01	0.006	0.008	--	0.02	0.002	0.3	0.5	0.3	0.1	0.08	0.9	0.2	1	0.2	0.1	0.2	0.1	0.02	0.02	0.5	0.06	0.4	0.1
116-O1	Other -Not Specified	0.02	0.006	0.07	0.08	0.01	0.2	--	0.1	0.01	0.002	0.0007	0.009	0.01	0.002	0.02	--	0.01	0.001	0.3	0.5	0.3	0.09	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
117-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.002	0.004	0.001	0.02	0.02	0.0005	0.02	--	0.01	0.0002	0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
118-G1	Garden	0.01	0.005	0.08	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.02	--	0.01	0.0004	0.3	0.5	0.3	0.09	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
118-G2	Garden	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
118-H1	House	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.01	0.0005	0.01	--	0.009	0.0004	0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
118-N1	Animal Activity Area	0.02	0.004	0.05	0.07	0.007	0.1	--	0.08	0.007	0.002	0.0004	0.006	0.008	0.0009	0.02	--	0.009	0.0008	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
118-N2	Animal Activity Area	0.02	0.003	0.05	0.07	0.01	0.2	--	0.09	0.01	0.003	0.0004	0.006	0.008	0.001	0.02	--	0.01	0.001	0.3	0.5	0.3	0.08	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
119-P1	Play Area	0.09	0.004	0.08	0.08	0.04	0.2	--	0.2	0.03	0.01	0.0005	0.009	0.01	0.004	0.02	--	0.03	0.003	0.4	0.5	0.3	0.09	0.07	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
120-A1	Agriculture	0.02	0.01	0.07	0.06	0.008	0.07	--	0.07	0.007	0.003	0.001	0.008	0.007	0.0009	0.009	--	0.009	0.0009	0.3	0.5	0.3	0.06	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
120-G1	Garden	0.02	0.008	0.03	0.04	0.01	0.07	--	0.07	0.01	0.002	0.0009	0.004	0.005	0.001	0.008	--	0.008	0.001	0.3	0.5	0.3	0.04	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.006	0.01	0.5	0.06	0.4	0.1
120-H1	House	0.02	0.007	0.05	0.05	0.01	0.07	--	0.07	0.008	0.003	0.0008	0.005	0.006	0.001	0.008	--	0.009	0.0009	0.3	0.5	0.3	0.06	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.008	0.01	0.5	0.06	0.4	0.1
120-O1	Other -Not Specified	0.03	0.01	0.05	0.06	0.01	0.09	--	0.09	0.01	0.004	0.001	0.006	0.006	0.002	0.01	--	0.01	0.001	0.3	0.5	0.3	0.06	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.008	0.01	0.5	0.06	0.4	0.1
121-G1	Garden	0.02	0.006	0.07	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.008	0.01	0.0008	0.01	--	0.01	0.0004	0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1

Table 5-31. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																					
121-H1	House	0.02	0.005	0.07	0.08	0.009	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0007		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
121-N1	Animal Activity Area	0.02	0.005	0.07	0.09	0.006	0.1	--	0.09	0.003	0.002	0.0006	0.008	0.01	0.0007	0.01	--	0.01	0.0004		0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
121-N2	Animal Activity Area	0.02	0.005	0.07	0.09	0.009	0.1	--	0.1	0.005	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0006		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
122-G1	Garden	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
122-G2	Garden	0.02	0.004	0.06	0.07	0.008	0.09	--	0.09	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
122-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.002	0.0005	0.009	0.01	0.001	0.02	--	0.01	0.002		0.3	0.5	0.3	0.1	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
122-H2	House	0.01	0.004	0.06	0.08	0.009	0.1	--	0.09	0.008	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
122-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
122-O2	Other -Not Specified	0.04	0.004	0.07	0.09	0.03	0.1	--	0.2	0.03	0.005	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.003		0.3	0.5	0.3	0.09	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
122-P1	Play Area	0.04	0.004	0.07	0.09	0.04	0.2	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.02	--	0.02	0.004		0.3	0.5	0.3	0.09	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
123-G1	Garden	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
123-G2	Garden	0.04	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.01	0.001		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
123-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.009	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
123-O1	Other -Not Specified	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
123-O2	Other -Not Specified	0.05	0.007	0.1	0.1	0.04	0.2	--	0.2	0.03	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003		0.3	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
124-G1	Garden	0.01	0.007	0.09	0.1	0.005	0.09	--	0.1	0.006	0.002	0.0009	0.01	0.01	0.0006	0.01	--	0.01	0.0006		0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
124-G2	Garden	0.04	0.01	0.2	0.1	0.02	0.1	--	0.2	0.01	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.002		0.3	0.5	0.5	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
124-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.007	0.004	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0008		0.3	0.5	0.4	0.2	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
124-N1	Animal Activity Area	0.02	0.009	0.08	0.07	0.005	0.07	--	0.09	0.005	0.002	0.001	0.009	0.008	0.0006	0.008	--	0.01	0.0005		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
124-N2	Animal Activity Area	0.01	0.005	0.07	0.1	0.001	0.08	--	0.07	0.001	0.001	0.0006	0.008	0.01	0.0002	0.01	--	0.008	0.0001		0.3	0.5	0.3	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
124-O1	Other -Not Specified	0.03	0.01	0.2	0.1	0.01	0.2	--	0.2	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002		0.3	0.5	0.4	0.2	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
125-O1	Other -Not Specified	0.02	0.007	0.09	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0008	0.01	0.01	0.001	0.01	--	0.01	0.001		0.3	0.5	0.4	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
126-A1	Agriculture	0.02	0.003	0.04	0.07	0.008	0.09	--	0.09	0.007	0.002	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.0008		0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
126-G1	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.004	0.003	0.0005	0.007	0.01	0.0008	0.01	--	0.01	0.0005		0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
126-G2	Garden	0.02	0.004	0.05	0.07	0.008	0.1	--	0.08	0.006	0.002	0.0004	0.006	0.008	0.0009	0.01	--	0.01	0.0007		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
126-H1	House	0.01	0.003	0.04	0.06	0.004	0.07	--	0.06	0.003	0.001	0.0003	0.005	0.007	0.0004	0.008	--	0.007	0.0004		0.3	0.5	0.3	0.06	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
126-O1	Other -Not Specified	0.02	0.003	0.05	0.07	0.007	0.09	--	0.08	0.005	0.002	0.0004	0.005	0.008	0.0008	0.01	--	0.01	0.0006		0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
126-O2	Other -Not Specified	0.01	0.003	0.04	0.07	0.006	0.07	--	0.07	0.003	0.002	0.0003	0.005	0.008	0.0007	0.008	--	0.008	0.0004		0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
126-O3	Other -Not Specified	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.005	0.002	0.0005	0.008	0.01	0.0008	0.01	--	0.01	0.0006		0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
126-P1	Play Area	0.01	0.003	0.04	0.06	0.005	0.05	--	0.1	0.003	0.002	0.0003	0.005	0.007	0.0006	0.005	--	0.01	0.0004		0.3	0.5	0.3	0.06	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
127-A1	Agriculture	0.03	0.004	0.07	0.09	0.02	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.003	0.02	--	0.02	0.002		0.3	0.5	0.3	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
127-G1	Garden	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
127-G2	Garden	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
127-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.001		0.3	0.5	0.3	0.1	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
127-H2	House	0.01	0.005	0.06	0.08	0.007	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
127-N1	Animal Activity Area	0.02	0.003	0.05	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0004	0.006	0.009	0.002	0.01	--	0.01	0.001		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
128-G1	Garden	0.05	0.01	0.1	0.1	0.008	0.1	--	0.1	0.006	0.006	0.001	0.01	0.01	0.0009	0.02	--	0.02	0.0007		0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
128-G2	Garden	0.05	0.02	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.002	0.01	0.01	0.001	0.02	--	0.02	0.001		0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
128-G3	Garden	0.03	0.008	0.1	0.1	0.006	0.1	--	0.1	0.004	0.004	0.0009	0.01	0.01	0.0007	0.02	--	0.02	0.0005		0.3	0.5	0.4	0.1	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
128-N1	Animal Activity Area	0.05	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.001		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
128-O1	Other -Not Specified	0.04	0.02	0.09	0.1	0.01	0.1	--	0.1	0.007	0.004	0.002	0.01	0.01	0.001	0.02	--	0.02	0.0009		0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
129-H1	House	0.05	0.004	0.05	0.08	0.04	0.07	--	0.2	0.02	0.006	0.0004	0.006	0.009	0.004	0.008	--	0.02	0.002		0.3	0.5	0.3	0.08	0.07	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
129-H2	House	0.05	0.003	0.05	0.07	0.04	0.08	--	0.2	0.02	0.005	0.0004	0.006	0.008	0.004	0.009	--	0.02	0.003		0.3	0.5	0.3	0.07	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
130-G1	Garden	0.01	0.004	0.05	0.07	0.006	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0006	0.01	--	0.008	0.0005		0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
130-H1	House	0.008	0.004	0.05	0.08	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.006	0.009	0.0003	0.008	--	0.008	0.0003		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
130-H2	House	0.02	0.005	0.07	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0007		0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
131-H1	House	0.03	0.005	0.07	0.09	0.01	0.09	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.002		0.3	0.5	0.3	0.1	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
132-G1	Garden	0.01	0.004	0.06	0.08	0.003	0.06	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.007	--	0.008	0.0003		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
132-G2	Garden	0.009	0.004	0.07	0.09	0.002	0.08	--	0.07	0.001	0.001	0.0005	0.008	0.01	0.0002	0.009	--	0.008	0.0001		0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
132-H1	House	0.01	0.004	0.05	0.07	0.004	0.07	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.008	--	0.009	0.0004		0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
132-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0004		0.3	0.5	0.3	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
133-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.1	--	0.2	0.02	0.005	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002		0.3	0.5	0.3	0.09	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
133-H1	House	0.03	0.02	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.002	0.008	0.01	0.001	0.01	--	0.01	0.001		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
134-O1	Other -Not Specified	0.1	0.004	0.07	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0005	0.008	0.01	0.007	0.01	--	0.04	0.004		0.4	0.5	0.3	0.09	0.09	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
135-G1	Garden	0.05	0.005	0.07	0.07	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.02	--	0.02	0.001		0.3	0.5	0.3	0.08	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
135-H1	House	0.05	0.005	0.07	0.09	0.01	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.002		0.3	0.5	0.3	0.09	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
135-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.001		0.3	0.5	0.3	0.09	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
136-A1	Agriculture	0.02	0.005	0.06	0.08	0.01	0.08	--	0.09	0.005	0.002	0.0006	0.007	0.009	0.001	0.009	--	0.01	0.0005		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
136-G1	Garden	0.01	0.005	0.06	0.07	0.007	0.08	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0008	0.01	--	0.01	0.0005		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
136-H1	House	0.02	0.005	0.06	0.07	0.009	0.07	--	0.09	0.005	0.002	0.0006	0.006	0.008	0.001	0.008	--	0.01	0.0006		0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
136-O1	Other -Not Specified	0.02	0.003	0.04	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.005	0.007	0.003	0.01	--	0.02	0.002		0.3	0.5	0.3	0.07	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
137-O1	Other -Not Specified	0.02	0.003	0.04	0.05	0.02	0.09	--	0.1	0.02	0.002	0.0003	0.005	0.006	0.002	0.01	--	0.01	0.002		0.3	0.5	0.3	0.06	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.008	0.01	0.5	0.06	0.4	0.1
137-O2	Other -Not Specified	0.02	0.003	0.05	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.002		0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
138-G1	Garden	0.02	0.008	0.09	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.001		0.3	0.5	0.4	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
138-G2	Garden	0.02	0.009	0.09	0.08	0.01	0.1	--	0.08	0.009	0.002	0.001	0.01	0.009	0.001	0.02	--	0.01	0.001		0.3	0.5	0.4	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
138-H1	House	0.02	0.009	0.09	0.1	0.009	0.1	--	0.1	0.007	0.002	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0008		0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
138-O1	Other -Not Specified	0.01	0.007	0.08	0.1	0.006	0.1	--	0.09	0.005	0.002	0.0008	0.009	0.01	0.0007	0.01	--	0.01	0.0006		0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1

Table 5-31. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																						
138-O2	Other -Not Specified	0.02	0.01	0.08	0.08	0.01	0.1	--	0.09	0.02	0.003	0.001	0.009	0.009	0.001	0.01	--	0.01	0.002		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
139-G1	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0006		0.3	0.5	0.4	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
139-G2	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0009	0.01	--	0.01	0.0006		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
139-H1	House	0.02	0.004	0.07	0.07	0.006	0.1	--	0.09	0.006	0.002	0.0005	0.009	0.009	0.0007	0.01	--	0.01	0.0007		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
139-N1	Animal Activity Area	0.02	0.004	0.08	0.08	0.008	0.1	--	0.1	0.006	0.002	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.0007		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
140-G1	Garden	0.09	0.004	0.07	0.09	0.05	0.2	--	0.2	0.02	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.003		0.4	0.5	0.3	0.09	0.07	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
140-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
140-O1	Other -Not Specified	0.2	0.004	0.07	0.08	0.06	0.2	--	0.4	0.04	0.02	0.0005	0.008	0.01	0.008	0.02	--	0.04	0.005		0.4	0.5	0.3	0.09	0.09	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
140-O2[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
141-A1	Agriculture	0.03	0.009	0.1	0.1	0.008	0.2	--	0.1	0.006	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0006		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
141-H1	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.001	0.01	0.01	0.001	0.01	--	0.01	0.0008		0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
141-H2	House	0.04	0.01	0.2	0.1	0.02	0.2	--	0.1	0.01	0.005	0.001	0.02	0.02	0.002	0.02	--	0.02	0.001		0.3	0.5	0.4	0.2	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
141-H3	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.008	0.004	0.001	0.01	0.02	0.001	0.02	--	0.01	0.001		0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
141-N1	Animal Activity Area	0.02	0.006	0.08	0.1	0.007	0.1	--	0.08	0.005	0.002	0.0007	0.01	0.01	0.0008	0.01	--	0.009	0.0006		0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
141-N2	Animal Activity Area	0.04	0.009	0.1	0.1	0.01	0.2	--	0.1	0.007	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0008		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
141-N3	Animal Activity Area	0.01	0.004	0.05	0.06	0.004	0.05	--	0.09	0.002	0.001	0.0004	0.006	0.007	0.0005	0.006	--	0.01	0.0003		0.3	0.5	0.3	0.06	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
141-N4	Animal Activity Area	0.03	0.009	0.1	0.1	0.009	0.1	--	0.1	0.006	0.004	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0007		0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
141-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.02	0.001	0.02	--	0.01	0.0008		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
142-H1	House	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.02	0.001		0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
142-O1	Other -Not Specified	0.02	0.005	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.001		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
143-A1	Agriculture	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
143-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0008		0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
143-G2	Garden	0.02	0.004	0.07	0.07	0.007	0.1	--	0.1	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
143-H1	House	0.02	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
144-G1	Garden	0.04	0.005	0.08	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002		0.3	0.5	0.4	0.09	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
144-H1	House	0.04	0.004	0.07	0.08	0.02	0.1	--	0.2	0.02	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002		0.3	0.5	0.3	0.09	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
145-A1	Agriculture	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.02	--	0.01	0.001		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
145-H1	House	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002		0.3	0.5	0.3	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
146G	Garden	0.03	0.007	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0008	0.01	0.01	0.0007	0.02	--	0.02	0.0005		0.3	0.5	0.4	0.1	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
146-H1	House	0.2	0.004	0.07	0.09	0.1	0.2	--	0.7	0.2	0.02	0.0005	0.009	0.01	0.01	0.03	--	0.08	0.02		0.4	0.5	0.3	0.09	0.1	1	0.2	2	0.3	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.5	0.2
147-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0007		0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
147-G2	Garden	0.02	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.001		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
147-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0006	0.008	0.01	0.001	0.02	--	0.01	0.001		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
148-H1	House	0.01	0.004	0.06	0.07	0.004	0.07	--	0.08	0.004	0.001	0.0005	0.007	0.009	0.0005	0.008	--	0.009	0.0005		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
148-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.08	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0006		0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
148-O3	Other -Not Specified	0.03	0.005	0.07	0.09	0.01	0.08	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.009	--	0.02	0.001		0.3	0.5	0.3	0.1	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
149-A1	Agriculture	0.04	0.05	0.3	0.2	0.02	0.2	--	0.3	0.05	0.005	0.006	0.03	0.02	0.002	0.02	--	0.03	0.006		0.3	0.5	0.6	0.2	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
149-G1	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003		0.3	0.5	0.5	0.2	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
149-G2	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003		0.3	0.5	0.5	0.2	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
149-H1	House	0.04	0.03	0.2	0.1	0.02	0.2	--	0.2	0.03	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003		0.3	0.5	0.5	0.2	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
149-N1	Animal Activity Area	0.02	0.02	0.2	0.1	0.01	0.1	--	0.2	0.02	0.003	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002		0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
150-G1	Garden	0.01	0.004	0.05	0.07	0.005	0.08	--	0.08	0.004	0.002	0.0005	0.006	0.009	0.0006	0.009	--	0.01	0.0004		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
150-H1	House	0.01	0.005	0.06	0.07	0.005	0.08	--	0.07	0.004	0.001	0.0005	0.007	0.009	0.0005	0.009	--	0.008	0.0004		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
151-H1	House	0.02	0.006	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.008	0.01	0.001	0.01	--	0.01	0.001		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
152-G1	Garden	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
152-H1	House	0.04	0.007	0.08	0.07	0.02	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.008	0.002	0.01	--	0.02	0.002		0.3	0.5	0.4	0.07	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
153-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.2	--	0.1	0.01	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001		0.3	0.5	0.3	0.09	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
153-H1	House	0.08	0.006	0.09	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0007	0.01	0.01	0.004	0.02	--	0.03	0.004		0.4	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
153-O1	Other -Not Specified	0.04	0.005	0.08	0.08	0.03	0.3	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.03	--	0.02	0.003		0.3	0.5	0.4	0.09	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
153-O2	Other -Not Specified	0.04	0.003	0.04	0.05	0.05	0.1	--	0.2	0.03	0.005	0.0003	0.004	0.006	0.006	0.02	--	0.02	0.003		0.3	0.5	0.3	0.05	0.08	0.9	0.2	1	0.2	0.1	0.2	0.1	0.007	0.02	0.5	0.06	0.4	0.1
153-O3	Other -Not Specified	0.07	0.005	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	0.0006	0.009	0.01	0.004	0.02	--	0.02	0.002		0.3	0.5	0.3	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
153-O5	Other -Not Specified	0.08	0.005	0.07	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0005	0.008	0.01	0.004	0.02	--	0.03	0.003		0.4	0.5	0.3	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
153-O6	Other -Not Specified	0.05	0.005	0.08	0.1	0.02	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.001		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
153-O7	Other -Not Specified	0.08	0.005	0.08	0.09	0.05	0.2	--	0.2	0.04	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.005		0.4	0.5	0.3	0.09	0.08	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
153-P1	Play Area	0.07	0.005	0.09	0.09	0.04	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.03	--	0.03	0.004		0.3	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
154-G1	Garden	0.01	0.006	0.08	0.09	0.003	0.1	--	0.09	0.003	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.01	0.0003		0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
154-H1	House	0.01	0.005	0.07	0.07	0.007	0.07	--	0.08	0.003	0.001	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0004		0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
155-G1	Garden	0.04	0.004	0.07	0.07	0.02	0.1	--	0.1	0.02	0.005	0.0005	0.008	0.008	0.003	0.02	--	0.02	0.002		0.3	0.5	0.3	0.08	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
155-G2	Garden	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.001		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
155-H1	House	0.02	0.005	0.07	0.07	0.008	0.08	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
155-H2	House	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.02	0.001		0.3	0.5	0.3	0.08	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
155-O2	Other -Not Specified	0.04	0.003	0.06	0.06	0.04	0.1	--	0.2	0.02	0.005	0.0004	0.007	0.007	0.005	0.01	--	0.02	0.003		0.3	0.5	0.3	0.07	0.07	0.9	0.2	1	0.2	0.1	0.2	0.1	0.009	0.02	0.5	0.06	0.4	0.1
156-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0009		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
156-O1	Other -Not Specified	0.03	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.006	0.008	0.003	0.01	--	0.02	0.002		0.3	0.5	0.3	0.07	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
157-G1	Garden	0.02	0.005	0.07	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0008	0.009	--	0.01	0.0006		0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
157-H1	House	0.02	0.005	0.07	0.08	0.01	0.07	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.002	0.009	--	0.02	0.001		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1

Table 5-31. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																					
157-H2	House	0.02	0.005	0.07	0.08	0.008	0.07	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.009	--	0.01	0.0008	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
157-O1	Other -Not Specified	0.02	0.004	0.06	0.06	0.009	0.06	--	0.09	0.007	0.002	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.0008	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
158-H1	House	0.01	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0005	0.008	--	0.01	0.0004	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
158-O1	Other -Not Specified	0.01	0.005	0.07	0.08	0.006	0.08	--	0.1	0.004	0.001	0.0005	0.008	0.009	0.0007	0.009	--	0.01	0.0004	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
159-G1	Garden	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0008	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
159-H1	House	0.02	0.003	0.05	0.06	0.006	0.07	--	0.08	0.006	0.002	0.0004	0.005	0.007	0.0007	0.008	--	0.009	0.0007	0.3	0.5	0.3	0.06	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
159-H2	House	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
159-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.005	0.08	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
159-O2	Other -Not Specified	0.02	0.004	0.06	0.07	0.006	0.08	--	0.08	0.006	0.002	0.0005	0.007	0.008	0.0007	0.009	--	0.009	0.0007	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
160-G1	Garden	0.03	0.004	0.06	0.07	0.009	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
160-H1	House	0.02	0.004	0.07	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0005	0.008	0.01	0.0007	0.01	--	0.01	0.0008	0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
160-H2	House	0.02	0.005	0.07	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0006	0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
161-H1	House	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.002	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
161-N1	Animal Activity Area	0.02	0.004	0.06	0.06	0.008	0.08	--	0.09	0.01	0.002	0.0005	0.007	0.007	0.0009	0.009	--	0.01	0.001	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
162-H1	House	0.01	0.003	0.05	0.06	0.02	0.05	--	0.08	0.008	0.002	0.0003	0.006	0.008	0.002	0.006	--	0.009	0.0009	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
163G	Garden	0.09	0.005	0.07	0.08	0.02	0.2	--	0.2	0.02	0.01	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002	0.4	0.5	0.3	0.09	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
163-G1	Garden	0.01	0.003	0.05	0.06	0.008	0.09	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.001	0.01	--	0.009	0.0006	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
163-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
164-H1	House	0.03	0.005	0.07	0.09	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.002	0.3	0.5	0.3	0.09	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
165-H1	House	0.03	0.01	0.2	0.2	0.009	0.1	--	0.09	0.005	0.003	0.002	0.02	0.02	0.001	0.02	--	0.01	0.0006	0.3	0.5	0.5	0.2	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
165-O1	Other -Not Specified	0.04	0.02	0.2	0.2	0.02	0.2	--	0.1	0.01	0.005	0.002	0.03	0.02	0.002	0.02	--	0.02	0.002	0.3	0.5	0.5	0.2	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
166-O1	Other -Not Specified	0.05	0.004	0.05	0.1	0.03	0.07	--	0.2	0.03	0.005	0.0004	0.006	0.01	0.003	0.008	--	0.02	0.003	0.3	0.5	0.3	0.1	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
167-O1	Other -Not Specified	0.02	0.004	0.06	0.08	0.009	0.08	--	0.1	0.01	0.002	0.0005	0.007	0.009	0.001	0.009	--	0.01	0.001	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
167-O2	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.07	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.008	--	0.02	0.001	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
167-O3	Other -Not Specified	0.03	0.004	0.07	0.08	0.03	0.1	--	0.2	0.02	0.003	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.002	0.3	0.5	0.3	0.08	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
167-O4	Other -Not Specified	0.02	0.004	0.06	0.08	0.02	0.08	--	0.2	0.01	0.003	0.0005	0.007	0.01	0.002	0.009	--	0.02	0.001	0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
167-O5	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.08	--	0.2	0.01	0.003	0.0004	0.007	0.009	0.002	0.009	--	0.02	0.001	0.3	0.5	0.3	0.08	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
167-O6	Other -Not Specified	0.03	0.004	0.06	0.07	0.03	0.1	--	0.1	0.02	0.004	0.0004	0.006	0.009	0.003	0.01	--	0.02	0.002	0.3	0.5	0.3	0.08	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
167-O7	Other -Not Specified	0.06	0.004	0.06	0.08	0.05	0.1	--	0.2	0.03	0.007	0.0004	0.007	0.009	0.006	0.01	--	0.03	0.004	0.3	0.5	0.3	0.08	0.08	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
167-O8	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.08	--	0.1	0.01	0.002	0.0004	0.005	0.008	0.003	0.01	--	0.02	0.001	0.3	0.5	0.3	0.07	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
167-O9	Other -Not Specified	0.02	0.004	0.05	0.08	0.02	0.09	--	0.1	0.01	0.003	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.002	0.3	0.5	0.3	0.08	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
168-G1	Garden	0.01	0.006	0.06	0.07	0.006	0.09	--	0.08	0.008	0.001	0.0007	0.007	0.009	0.0007	0.01	--	0.01	0.0009	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
168-G2	Garden	0.01	0.007	0.07	0.08	0.007	0.1	--	0.1	0.006	0.001	0.0008	0.008	0.009	0.0008	0.01	--	0.01	0.0007	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
168-H1	House	0.009	0.005	0.06	0.08	0.004	0.07	--	0.08	0.004	0.001	0.0006	0.007	0.009	0.0005	0.009	--	0.009	0.0005	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
168-N1	Animal Activity Area	0.01	0.007	0.06	0.06	0.007	0.09	--	0.07	0.007	0.002	0.0008	0.007	0.007	0.0008	0.01	--	0.008	0.0008	0.3	0.5	0.3	0.06	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
168-O1	Other -Not Specified	0.04	0.01	0.07	0.08	0.03	0.07	--	0.1	0.02	0.005	0.002	0.009	0.009	0.003	0.009	--	0.02	0.002	0.3	0.5	0.3	0.08	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
169A	Other -Not Specified	0.03	0.004	0.06	0.1	0.05	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.006	0.007	--	0.02	0.002	0.3	0.5	0.3	0.1	0.08	0.9	0.2	1	0.2	0.1	0.2	0.1	0.02	0.02	0.5	0.06	0.4	0.1
169-G2	Garden	0.01	0.004	0.06	0.08	0.008	0.07	--	0.08	0.006	0.002	0.0005	0.007	0.009	0.0009	0.008	--	0.009	0.0007	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
169-G3	Garden	0.02	0.006	0.08	0.1	0.01	0.1	--	0.1	0.006	0.002	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0008	0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
169-G4	Garden	0.02	0.004	0.06	0.09	0.01	0.09	--	0.08	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.3	0.5	0.3	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
169-H1	House	0.01	0.004	0.05	0.07	0.007	0.08	--	0.06	0.004	0.001	0.0004	0.005	0.008	0.0009	0.01	--	0.007	0.0005	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
170-G1	Garden	0.02	0.005	0.07	0.1	0.008	0.1	--	0.09	0.006	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0007	0.3	0.5	0.3	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
170-G2	Garden	0.02	0.005	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.01	0.002	0.3	0.5	0.3	0.09	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
170-H1	House	0.02	0.004	0.06	0.08	0.01	0.09	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0009	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
171-A1	Agriculture	0.04	0.01	0.2	0.1	0.02	0.2	--	0.2	0.02	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.003	0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
171-G1	Garden	0.05	0.01	0.1	0.1	0.03	0.2	--	0.2	0.03	0.006	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003	0.3	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
171-H1	House	0.03	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.003	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.003	0.3	0.5	0.4	0.1	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
172U	Other -Not Specified	0.04	0.005	0.05	0.2	0.02	0.06	--	0.2	0.04	0.005	0.0006	0.006	0.02	0.003	0.007	--	0.02	0.004	0.3	0.5	0.3	0.2	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
173-G1	Garden	0.02	0.006	0.07	0.1	0.007	0.1	--	0.09	0.005	0.002	0.0008	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.3	0.5	0.3	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
173-G2	Garden	0.01	0.006	0.07	0.1	0.003	0.07	--	0.07	0.002	0.001	0.0007	0.008	0.01	0.0003	0.008	--	0.008	0.0002	0.3	0.5	0.3	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
173-G3	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0009	0.008	0.01	0.001	0.01	--	0.01	0.001	0.3	0.5	0.3	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
173-G4	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0009	0.008	0.01	0.002	0.01	--	0.01	0.001	0.3	0.5	0.3	0.1	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
173-G5	Garden	0.02	0.006	0.08	0.1	0.005	0.1	--	0.08	0.003	0.002	0.0007	0.01	0.01	0.0006	0.01	--	0.01	0.0003	0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
173-H1	House	0.03	0.006	0.06	0.08	0.01	0.09	--	0.1	0.01	0.003	0.0007	0.007	0.009	0.002	0.01	--	0.01	0.002	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
173-P1	Play Area	0.03	0.006	0.07	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0007	0.008	0.01	0.002	0.01	--	0.02	0.002	0.3	0.5	0.3	0.09	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
174-A1	Agriculture	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
174-G1	Garden	0.03	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.03	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
174-H1	House	0.04	0.008	0.1	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002	0.3	0.5	0.4	0.09	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
174M	House	0.01	0.004	0.06	0.06	0.002	0.06	--	0.07	0.004	0.002	0.0005	0.007	0.007	0.0003	0.007	--	0.008	0.0005	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
175-G1	Garden	0.02	0.004	0.05	0.06	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.001	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
175-G2	Garden	0.01	0.004	0.05	0.06	0.005	0.06	--	0.07	0.003	0.001	0.0004	0.005	0.007	0.0006	0.007	--	0.008	0.0004	0.3	0.5	0.3	0.06	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.008	0.01	0.5	0.06	0.4	0.1
175-H1	House	0.01	0.003	0.04	0.06	0.01	0.08	--	0.09	0.008	0.002	0.0004	0.005	0.007	0.001	0.009	--	0.01	0.001	0.3	0.5	0.3	0.06	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
176-A1	Agriculture	0.02	0.005	0.07	0.07	0.009	0.09	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
176G	Garden	0.05	0.005	0.06	0.06	0.02	0.1	--	0.1	0.01	0.006	0.0006	0.007	0.007	0.002	0.01	--	0.02	0.002	0.3	0.5	0.3	0.06	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
176-H1	House	0.02	0.004	0.06	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0007	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
176-H2	House	0.02	0.005	0.06	0.07	0.007	0.08	--	0.1	0.004	0.002	0.0006	0.008	0.009	0.0009	0.009	--	0.01	0.0005	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
176M	House	0.05	0.004	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0005	0.006	0.007	0.002	0.01	--	0.02	0.003	0.3	0.5	0.3	0.06	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1

Table 5-31. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																					
176-P1	Play Area	0.02	0.004	0.05	0.08	0.006	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.009	0.0007	0.01	--	0.01	0.0006		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
178-H1	House	0.02	0.005	0.08	0.1	0.005	0.1	--	0.1	0.003	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0004		0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
179-H1	House	0.03	0.006	0.07	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0008	0.008	0.01	0.001	0.02	--	0.01	0.001		0.3	0.5	0.3	0.09	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
180-H1	House	0.07	0.005	0.07	0.09	0.05	0.09	--	0.3	0.02	0.009	0.0005	0.008	0.01	0.005	0.01	--	0.03	0.002		0.3	0.5	0.3	0.09	0.07	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
180-H2[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
180-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.08	0.1	--	0.3	0.02	0.006	0.0005	0.008	0.01	0.009	0.01	--	0.04	0.003		0.3	0.5	0.3	0.09	0.1	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
181-A1	Agriculture	0.06	0.006	0.08	0.09	0.01	0.2	--	0.2	0.01	0.007	0.0008	0.009	0.01	0.002	0.02	--	0.02	0.001		0.3	0.5	0.4	0.09	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
181-G1	Garden	0.04	0.005	0.07	0.08	0.008	0.1	--	0.1	0.004	0.005	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0005		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
181-G2	Garden	0.06	0.007	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.3	0.5	0.4	0.09	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
181-H1	House	0.06	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001		0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
181-H2	House	0.07	0.007	0.1	0.1	0.02	0.2	--	0.2	0.01	0.009	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
181-N1	Animal Activity Area	0.08	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.009	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002		0.4	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
181-N2	Animal Activity Area	0.06	0.006	0.08	0.09	0.02	0.2	--	0.2	0.01	0.008	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002		0.3	0.5	0.4	0.09	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
181-O1	Other -Not Specified	0.04	0.007	0.09	0.09	0.008	0.1	--	0.1	0.006	0.004	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0007		0.3	0.5	0.4	0.09	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
182-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.2	--	0.2	0.03	0.004	0.001	0.01	0.01	0.003	0.02	--	0.02	0.003		0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
182-G2	Garden	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.03	0.008	0.001	0.02	0.01	0.003	0.03	--	0.03	0.003		0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
182-H1	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.2	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
182-H2	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
182-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
182-O2	Other -Not Specified	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	0.001	0.01	0.01	0.003	0.03	--	0.02	0.003		0.4	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
182-O3	Other -Not Specified	0.03	0.01	0.09	0.08	0.02	0.2	--	0.2	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.003		0.3	0.5	0.4	0.09	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
184-H1	House	0.05	0.003	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0004	0.006	0.007	0.003	0.01	--	0.02	0.002		0.3	0.5	0.3	0.07	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
185-A1	Agriculture	0.02	0.009	0.08	0.08	0.01	0.08	--	0.1	0.008	0.003	0.001	0.009	0.009	0.002	0.009	--	0.02	0.0009		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
185G	Garden	0.05	0.008	0.1	0.1	0.007	0.1	--	0.2	0.004	0.006	0.0009	0.02	0.01	0.0008	0.02	--	0.02	0.0005		0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
185-H1	House	0.02	0.008	0.07	0.09	0.01	0.09	--	0.1	0.008	0.003	0.0009	0.009	0.01	0.001	0.01	--	0.02	0.0009		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
186-O1	Other -Not Specified	0.05	0.004	0.06	0.1	0.03	0.07	--	0.2	0.03	0.006	0.0005	0.007	0.02	0.004	0.009	--	0.02	0.003		0.3	0.5	0.3	0.1	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
187-H1	House	0.02	0.004	0.07	0.08	0.02	0.1	--	0.1	0.01	0.002	0.0005	0.008	0.009	0.002	0.01	--	0.02	0.002		0.3	0.5	0.3	0.08	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
188-A1	Agriculture	0.02	0.008	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
188-G1	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.01	0.002		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
188-G2	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002		0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
188-G3	Garden	0.02	0.006	0.09	0.09	0.01	0.2	--	0.1	0.008	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.01	0.001		0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
188-H1	House	0.01	0.01	0.08	0.09	0.007	0.1	--	0.1	0.005	0.002	0.001	0.01	0.01	0.0008	0.02	--	0.01	0.0006		0.3	0.5	0.4	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
188-P1	Play Area	0.02	0.005	0.07	0.08	0.008	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
189-G1	Garden	0.02	0.006	0.08	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.009	0.01	0.0009	0.01	--	0.01	0.0005		0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
189-H1	House	0.02	0.005	0.07	0.08	0.008	0.09	--	0.1	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
189-H2	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.001		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
189-O1	Other -Not Specified	0.04	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
190-G1	Garden	0.009	0.004	0.07	0.08	0.004	0.08	--	0.1	0.002	0.001	0.0005	0.008	0.009	0.0005	0.01	--	0.01	0.0002		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
190-H1	House	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.005	0.001	0.0005	0.007	0.008	0.0006	0.01	--	0.008	0.0005		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
190-N1	Animal Activity Area	0.01	0.005	0.07	0.09	0.005	0.1	--	0.08	0.003	0.001	0.0005	0.008	0.01	0.0005	0.01	--	0.009	0.0004		0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
190-N2	Animal Activity Area	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
190-N3	Animal Activity Area	0.009	0.004	0.06	0.08	0.003	0.09	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
190-O1	Other -Not Specified	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009		0.3	0.5	0.4	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
191-H1	House	0.03	0.007	0.08	0.09	0.03	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.01	0.003	0.01	--	0.02	0.002		0.3	0.5	0.4	0.09	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
192-A1	Agriculture	0.03	0.01	0.08	0.09	0.02	0.09	--	0.1	0.008	0.003	0.001	0.01	0.01	0.002	0.01	--	0.02	0.0009		0.3	0.5	0.4	0.1	0.05	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
192-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.09	--	0.2	0.007	0.004	0.002	0.01	0.01	0.003	0.01	--	0.02	0.0008		0.3	0.5	0.4	0.1	0.05	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
192-H1	House	0.02	0.008	0.07	0.08	0.02	0.08	--	0.1	0.007	0.003	0.001	0.008	0.01	0.002	0.009	--	0.01	0.0008		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
193-G1	Garden	0.01	0.003	0.05	0.06	0.003	0.06	--	0.06	0.002	0.001	0.0004	0.006	0.007	0.0003	0.007	--	0.007	0.0002		0.3	0.5	0.3	0.06	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
193-H1	House	0.01	0.004	0.06	0.07	0.003	0.07	--	0.07	0.002	0.001	0.0005	0.007	0.008	0.0004	0.008	--	0.008	0.0003		0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
194-H1	House	0.008	0.004	0.05	0.07	0.003	0.07	--	0.07	0.003	0.0009	0.0004	0.006	0.008	0.0004	0.008	--	0.009	0.0003		0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
194-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.006	0.09	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0007	0.01	--	0.01	0.0005		0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
195-G1	Garden	0.02	0.004	0.05	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.0008		0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
195-G2	Garden	0.03	0.004	0.06	0.08	0.03	0.2	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.003	0.02	--	0.02	0.002		0.3	0.5	0.3	0.08	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
195-O1	Other -Not Specified	0.03	0.003	0.04	0.06	0.03	0.1	--	0.1	0.02	0.003	0.0003	0.005	0.007	0.003	0.01	--	0.01	0.002		0.3	0.5	0.3	0.06	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
196-A1	Agriculture	0.01	0.005	0.07	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0009	0.01	--	0.01	0.0007		0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
196-A2	Agriculture	0.02	0.006	0.08	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0007	0.009	0.009	0.001	0.01	--	0.01	0.001		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
196-G1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.0008		0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
196-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.09	0.008	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0009		0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
197-H1	House	0.02	0.007	0.1	0.1	0.01	0.09	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.001		0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
198-G1	Garden	0.03	0.005	0.07	0.08	0.01	0.2	--	0.1	0.008	0.004	0.0006	0.008	0.009	0.001	0.02	--	0.01	0.001		0.3	0.5	0.3	0.08	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
198-H1	House	0.03	0.008	0.1	0.1	0.02	0.2	--	0.2	0.01	0.004	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002		0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
199-G1	Garden	0.01	0.006	0.09	0.1	0.004	0.1	--	0.1	0.002	0.001	0.0007	0.01	0.01	0.0004	0.01	--	0.01	0.0002		0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
199-O1	Other -Not Specified	0.01	0.006	0.08	0.1	0.005	0.09	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0005	0.01	--	0.01	0.0004		0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
200-G1	Garden	0.04	0.007	0.1	0.1	0.007	0.2	--	0.1	0.005	0.004	0.0008	0.01	0.01	0.0008	0.03	--	0.01	0.0006		0.3	0.5	0.4	0.1	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
200-H1	House	0.03	0.006	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0007	0.01	0.01	0.0007	0.02	--	0.01	0.0004		0.3	0.5	0.4	0.1	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
200-O1	Other -Not Specified	0.04	0.01	0.1	0.1	0.007	0.2	--	0.1	0.004	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0004		0.3	0.5	0.4	0.2	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1

Table 5-31. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Walleye

		Total HI Across COPCs by Pathway																		Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																				
201G[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.3	0.5	0.4	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
201-O1	Other -Not Specified	0.07	0.006	0.09	0.1	0.04	0.1	--	0.2	0.02	0.008	0.0007	0.01	0.01	0.005	0.01	--	0.02	0.003	0.3	0.5	0.4	0.1	0.07	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
202-H1	House	0.03	0.004	0.06	0.07	0.01	0.06	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.007	--	0.01	0.001	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
202-N1	Animal Activity Area	0.02	0.004	0.06	0.07	0.007	0.06	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0009	0.007	--	0.01	0.0006	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
202-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.07	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.0008	0.009	--	0.01	0.001	0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
203-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
203-O1[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
203-O2	Other -Not Specified	0.1	0.004	0.07	0.09	0.07	0.2	--	0.3	0.03	0.02	0.0004	0.008	0.01	0.008	0.02	--	0.04	0.004	0.4	0.5	0.3	0.1	0.1	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
203-O3[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
203-O4[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
205-O1	Other -Not Specified	0.1	0.005	0.07	0.08	0.04	0.06	--	0.3	0.02	0.01	0.0006	0.008	0.01	0.004	0.007	--	0.04	0.003	0.4	0.5	0.3	0.09	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
206-A1	Agriculture	0.03	0.02	0.1	0.1	0.01	0.1	--	0.1	0.01	0.004	0.002	0.01	0.01	0.002	0.02	--	0.02	0.002	0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
206-G1	Garden	0.02	0.007	0.07	0.08	0.007	0.1	--	0.09	0.006	0.002	0.0008	0.009	0.009	0.0008	0.01	--	0.01	0.0007	0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
206-H1	House	0.009	0.005	0.06	0.08	0.003	0.08	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0003	0.009	--	0.008	0.0003	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
206-H2	House	0.03	0.04	0.2	0.1	0.03	0.2	--	0.2	0.03	0.004	0.005	0.02	0.01	0.003	0.02	--	0.02	0.003	0.3	0.5	0.5	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
206-O1	Other -Not Specified	0.06	0.008	0.1	0.1	0.03	0.2	--	0.3	0.02	0.007	0.0009	0.01	0.01	0.004	0.02	--	0.03	0.002	0.3	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
207-O1	Other -Not Specified	0.02	0.003	0.05	0.06	0.01	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.001	0.3	0.5	0.3	0.06	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
208AA	Animal Activity Area	0.04	0.005	0.07	0.07	0.02	0.09	--	0.1	0.01	0.005	0.0005	0.008	0.008	0.002	0.01	--	0.02	0.002	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
208BM	House	0.05	0.007	0.1	0.1	0.01	0.1	--	0.2	0.009	0.006	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
208G	Garden	0.05	0.008	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.02	0.01	0.001	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
208-H1	House	0.07	0.004	0.07	0.07	0.03	0.2	--	0.2	0.02	0.009	0.0005	0.008	0.009	0.004	0.02	--	0.02	0.002	0.4	0.5	0.3	0.08	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
209A	Agriculture	0.04	0.006	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
209-G1	Garden	0.05	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.003	0.3	0.5	0.3	0.08	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
209-H1	House	0.09	0.005	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004	0.4	0.5	0.4	0.09	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
209-P1	Play Area	0.1	0.005	0.08	0.09	0.04	0.2	--	0.3	0.04	0.01	0.0006	0.01	0.01	0.005	0.02	--	0.03	0.005	0.4	0.5	0.4	0.09	0.07	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
210-H1	House	0.04	0.005	0.06	0.08	0.009	0.09	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
210-O1	Other -Not Specified	0.04	0.004	0.05	0.07	0.01	0.09	--	0.1	0.01	0.004	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.001	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
211-A1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
211-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.004	0.003	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0005	0.3	0.5	0.4	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
211-G2	Garden	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0006	0.3	0.5	0.4	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
211-H1	House	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.009	0.002	0.0006	0.009	0.009	0.0009	0.01	--	0.01	0.001	0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
211-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.02	0.002	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
212-H1	House	0.03	0.005	0.08	0.2	0.03	0.08	--	0.2	0.02	0.003	0.0006	0.009	0.02	0.004	0.009	--	0.02	0.003	0.3	0.5	0.3	0.2	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
212-H2	House	0.03	0.004	0.06	0.1	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.002	0.007	--	0.01	0.002	0.3	0.5	0.3	0.1	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
213-O1	Other -Not Specified	0.04	0.009	0.1	0.1	0.006	0.2	--	0.1	0.004	0.005	0.001	0.01	0.01	0.0007	0.02	--	0.01	0.0004	0.3	0.5	0.4	0.1	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
213-O2	Other -Not Specified	0.05	0.007	0.1	0.09	0.01	0.2	--	0.2	0.006	0.006	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
213-O3	Other -Not Specified	0.04	0.007	0.1	0.1	0.008	0.1	--	0.1	0.004	0.004	0.0008	0.01	0.02	0.001	0.01	--	0.02	0.0005	0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
21G	Garden	0.07	0.005	0.07	0.07	0.04	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.009	0.005	0.02	--	0.02	0.003	0.3	0.5	0.3	0.08	0.07	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
226C	House	0.07	0.004	0.05	0.06	0.04	0.08	--	0.3	0.02	0.008	0.0004	0.006	0.007	0.005	0.009	--	0.03	0.002	0.3	0.5	0.3	0.06	0.07	0.9	0.2	1	0.2	0.1	0.2	0.1	0.009	0.02	0.5	0.06	0.4	0.1
230G	Garden	0.02	0.005	0.07	0.07	0.008	0.07	--	0.1	0.004	0.003	0.0006	0.008	0.009	0.001	0.008	--	0.01	0.0005	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
231Lower	Other -Not Specified	0.05	0.005	0.07	0.08	0.01	0.09	--	0.2	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
238G	Garden	0.02	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.008	0.0005	0.009	--	0.01	0.0005	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
238M	Other -Not Specified	0.02	0.005	0.07	0.07	0.003	0.07	--	0.09	0.003	0.002	0.0006	0.008	0.009	0.0004	0.008	--	0.01	0.0004	0.3	0.5	0.3	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
280yard	House	0.05	0.006	0.1	0.09	0.03	0.2	--	0.2	0.02	0.006	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.003	0.3	0.5	0.4	0.09	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
284M	House	0.03	0.005	0.08	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.001	0.3	0.5	0.4	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
285M	Other -Not Specified	0.04	0.005	0.09	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.01	0.009	0.002	0.01	--	0.02	0.001	0.3	0.5	0.4	0.08	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
288G1	Garden	0.03	0.006	0.08	0.08	0.008	0.08	--	0.1	0.006	0.003	0.0007	0.009	0.009	0.0009	0.009	--	0.01	0.0007	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
288G2	Garden	0.02	0.007	0.08	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0008	0.009	0.01	0.0008	0.009	--	0.01	0.0005	0.3	0.5	0.3	0.09	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
289G3	Garden	0.02	0.005	0.07	0.07	0.007	0.07	--	0.1	0.006	0.003	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0007	0.3	0.5	0.3	0.07	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
317M	Play Area	0.1	0.006	0.1	0.1	0.04	0.1	--	0.4	0.05	0.02	0.0008	0.01	0.01	0.005	0.01	--	0.04	0.005	0.4	0.5	0.4	0.1	0.07	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
319M[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.3	0.5	0.4	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
320new	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.03	0.01	0.0008	0.01	0.01	0.004	0.01	--	0.03	0.003	0.4	0.5	0.4	0.1	0.07	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
35PA[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.3	0.5	0.4	0.08	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
59A	House	0.09	0.004	0.05	0.06	0.04	0.1	--	0.2	0.03	0.01	0.0004	0.006	0.007	0.004	0.01	--	0.02	0.003	0.4	0.5	0.3	0.06	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.008	0.01	0.5	0.06	0.4	0.1
62G	Garden	0.04	0.006	0.09	0.1	0.007	0.1	--	0.1	0.006	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
72M	Agriculture	0.07	0.008	0.09	0.09	0.03	0.1	--	0.2	0.02	0.008	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002	0.3	0.5	0.4	0.09	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
72U	Other -Not Specified	0.05	0.01	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
94M	Agriculture	0.03	0.006	0.1	0.1	0.008	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.01	0.0009	0.01	--	0.02	0.0007	0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
999G1	Garden	0.04	0.008	0.09	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.0009	0.3	0.5	0.4	0.09	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
999M1	House	0.03	0.007	0.1	0.1	0.008	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.01	0.0009	0.02	--	0.01	0.0008	0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
999M2	Garden	0.03	0.009	0.1	0.1	0.005	0.1	--	0.1	0.004	0.003	0.001	0.02	0.01	0.0006	0.02	--	0.01	0.0005	0.3	0.5	0.4	0.1	0.03	0.9	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
999M3	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.3	0.5	0.5	0.2	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-32. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																			**Total HI Across Pathways**																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			**By Target Organ System**																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	
		Child									**Adult**										**Child**									**Adult**									
Indoor Air		--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																			
Outdoor Air		--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02		**Number of DUs that exceed benchmark[c] when risk is summed across pathways:**									**Number of DUs that exeed benchmark[c] when risk is summed across pathways:**									
Fish (Whitefish)		0.05	0.3	0.04	0.02	0.02	0.3	0.6	0.5	--	0.02	0.1	0.02	0.007	0.008	0.1	0.2	0.2	--																			
Residential Soil/Dust[a]		**Number of DUs that exceed benchmark[c] for Soil/Dust:**									**Number of DUs that exceed benchmark[c] for Soil/Dust:**																													
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.07	0.3	0.2	0.09	0.03	0.8	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
9	Agriculture	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009		0.09	0.3	0.1	0.09	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
13	Other -Not Specified	0.05	0.005	0.09	0.09	0.01	0.2	--	0.1	0.008	0.006	0.0006	0.01	0.01	0.001	0.02	--	0.02	0.0009		0.1	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
14	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.008	0.005	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0009		0.1	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
15	House	0.04	0.005	0.08	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0006	0.009	0.009	0.001	0.01	--	0.02	0.001		0.09	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
16	Other -Not Specified	0.08	0.005	0.1	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004		0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
17	Other -Not Specified	0.04	0.007	0.09	0.09	0.02	0.1	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002		0.09	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
18[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.07	0.3	0.2	0.09	0.03	0.8	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
20[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.07	0.3	0.2	0.09	0.03	0.8	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
21	House	0.03	0.006	0.08	0.08	0.01	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.009	0.001	0.01	--	0.01	0.0008		0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
22	House	0.07	0.005	0.08	0.08	0.01	0.1	--	0.2	0.01	0.008	0.0005	0.009	0.009	0.002	0.01	--	0.02	0.001		0.1	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
25	House	0.03	0.005	0.09	0.09	0.007	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.0009	0.01	--	0.01	0.0005		0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
27	Other -Not Specified	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.1	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
28	Garden	0.02	0.006	0.08	0.08	0.004	0.1	--	0.08	0.003	0.002	0.0006	0.01	0.009	0.0005	0.01	--	0.01	0.0003		0.07	0.3	0.1	0.1	0.02	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
29	Other -Not Specified	0.02	0.005	0.08	0.08	0.007	0.09	--	0.09	0.004	0.003	0.0006	0.009	0.009	0.0008	0.01	--	0.01	0.0004		0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
30	Other -Not Specified	0.04	0.007	0.1	0.09	0.007	0.1	--	0.1	0.004	0.005	0.0008	0.01	0.01	0.0008	0.02	--	0.01	0.0005		0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
31	Other -Not Specified	0.06	0.006	0.1	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002		0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
33	House	0.05	0.005	0.07	0.07	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.009	0.003	0.02	--	0.02	0.002		0.1	0.3	0.1	0.09	0.05	0.7	0.6	0.7	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
35[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.07	0.3	0.2	0.09	0.03	0.8	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
39[b]	Agriculture	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.07	0.3	0.2	0.09	0.03	0.8	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
40[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.07	0.3	0.2	0.09	0.03	0.8	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
42	House	0.02	0.004	0.05	0.07	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.001		0.07	0.3	0.1	0.08	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
44	Agriculture	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008		0.08	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
46	Other -Not Specified	0.04	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.002		0.09	0.3	0.1	0.09	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
47	Agriculture	0.03	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0005	0.008	0.01	0.003	0.01	--	0.02	0.002		0.08	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
49[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.07	0.3	0.2	0.09	0.03	0.8	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
55	House	0.02	0.006	0.08	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0007	0.009	0.01	0.0007	0.01	--	0.01	0.0007		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
56	Other -Not Specified	0.04	0.006	0.1	0.1	0.02	0.1	--	0.2	0.02	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002		0.09	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
58	Agriculture	0.02	0.006	0.08	0.08	0.009	0.1	--	0.1	0.006	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0007		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
59	House	0.04	0.003	0.04	0.05	0.03	0.09	--	0.1	0.02	0.005	0.0003	0.005	0.006	0.003	0.01	--	0.02	0.002		0.09	0.3	0.09	0.07	0.05	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
60	Garden	0.03	0.005	0.06	0.07	0.008	0.1	--	0.1	0.005	0.003	0.0006	0.007	0.008	0.0009	0.01	--	0.01	0.0006		0.08	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
61	House	0.04	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.005	0.0004	0.006	0.008	0.002	0.01	--	0.02	0.001		0.09	0.3	0.1	0.09	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
62	House	0.04	0.006	0.09	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
66	Other -Not Specified	0.05	0.005	0.07	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.001		0.1	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
67	Garden	0.05	0.005	0.08	0.08	0.03	0.1	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002		0.1	0.3	0.1	0.1	0.05	0.7	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
70	House	0.06	0.008	0.09	0.09	0.02	0.1	--	0.2	0.02	0.007	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.002		0.1	0.3	0.1	0.1	0.05	0.7	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
71	Garden	0.06	0.009	0.1	0.09	0.02	0.1	--	0.1	0.01	0.007	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001		0.1	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.1	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
72	Garden	0.06	0.01	0.1	0.1	0.02	0.1	--	0.2	0.02	0.007	0.001	0.02	0.01	0.003	0.01	--	0.02	0.003		0.1	0.3	0.2	0.1	0.05	0.7	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
75	House	0.06	0.005	0.08	0.08	0.06	0.2	--	0.2	0.04	0.007	0.0005	0.01	0.01	0.007	0.02	--	0.03	0.004		0.1	0.3	0.1	0.1	0.08	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.02	0.4	0.2	0.2	0.1
82	House	0.03	0.006	0.1	0.1	0.007	0.1	--	0.1	0.005	0.004	0.0007	0.01	0.01	0.0008	0.02	--	0.01	0.0006		0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
85	House	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.004	0.002	0.0006	0.008	0.008	0.0005	0.008	--	0.01	0.0005		0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
86	Agriculture	0.03	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001		0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
87	Agriculture	0.02	0.005	0.07	0.07	0.009	0.08	--	0.1	0.008	0.003	0.0005	0.008	0.008	0.001	0.009	--	0.01	0.001		0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
106	House	0.1	0.005	0.06	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0005	0.007	0.009	0.004	0.02	--	0.03	0.002		0.2	0.3	0.1	0.09	0.06	0.8	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
107	Garden	0.07	0.006	0.08	0.09	0.03	0.2	--	0.2	0.01	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.02	0.002		0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
108	Garden	0.09	0.008	0.07	0.08	0.02	0.1	--	0.2	0.01	0.01	0.0009	0.009	0.01	0.002	0.02	--	0.02	0.002		0.1	0.3	0.1	0.1	0.04	0.7	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
109[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.07	0.3	0.2	0.09	0.03	0.8	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
110	House	0.03	0.004	0.05	0.06	0.008	0.1	--	0.1	0.007	0.004	0.0005	0.006	0.007	0.001	0.01	--	0.01	0.0008		0.08	0.3	0.1	0.07	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
111	Other -Not Specified	0.03	0.004	0.06	0.06	0.008	0.1	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.001	0.01	--	0.01	0.0007		0.08	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
112	House	0.1	0.005	0.08	0.07	0.04	0.2	--	0.3	0.04	0.02	0.0006	0.009	0.009	0.005	0.02	--	0.03	0.004		0.2	0.3	0.1	0.09	0.06	0.8	0.6	0.8	0.2	0.04	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
121	House	0.04	0.008	0.2	0.1	0.01	0.2	--	0.2	0.02	0.005	0.001	0.02	0.01	0.001	0.03	--	0.02	0.002		0.09	0.3	0.2	0.1	0.03	0.9	0.6	0.7	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
122	Other -Not Specified	0.06	0.008	0.1	0.1	0.009	0.2	--	0.2	0.007	0.007	0.001	0.02	0.01	0.001	0.02	--	0.02	0.0008		0.1	0.3	0.2	0.1	0.03	0.8	0.6	0.7	0.1	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
123	House	0.06	0.005	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.0006	0.01	0.009	0.004	0.02	--	0.03	0.003		0.1	0.3	0.1	0.09	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
135	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.001		0.08	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
146	House	0.04	0.005	0.08	0.09	0.006	0.1	--	0.1	0.008	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.02	0.0009		0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
147	Garden	0.02	0.005	0.06	0.07	0.005	0.09	--	0.09	0.004	0.003	0.0006	0.007	0.008	0.0005	0.01	--	0.01	0.0004		0.08	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
151[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003		0.07	0.3	0.2	0.09	0.03	0.8	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
152	Other -Not Specified	0.04	0.007	0.1	0.09	0.01	0.1	--	0.2	0.02	0.005	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002		0.09	0.3	0.2	0.1	0.03	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
154	House	0.02	0.003	0.04	0.05	0.005	0.06	--	0.06	0.005	0.002	0.0004	0.005	0.006	0.0006	0.007	--	0.007	0.0006		0.07	0.3	0.09	0.07	0.03	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
160	House	0.05	0.006	0.08	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.009	0.001	0.02	--	0.02	0.001		0.1	0.3	0.1	0.09	0.03	0.8	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
163	House	0.06	0.005	0.07	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001		0.1	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.2	0.03	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1

Table 5-32. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
164	Agriculture	0.05	0.006	0.09	0.09	0.01	0.1	--	0.1	0.01	0.006	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001	0.1	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
167	Agriculture	0.03	0.004	0.06	0.06	0.005	0.08	--	0.1	0.006	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0007	0.08	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
168	House	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
169	Other -Not Specified	0.06	0.006	0.08	0.08	0.03	0.2	--	0.2	0.02	0.007	0.0007	0.01	0.009	0.004	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
170[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
175	Other -Not Specified	0.05	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.006	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.1	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.03	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
177	Agriculture	0.07	0.004	0.05	0.06	0.01	0.1	--	0.2	0.01	0.008	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002	0.1	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.2	0.03	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
185	House	0.07	0.007	0.1	0.1	0.02	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.01	--	0.02	0.002	0.1	0.3	0.2	0.1	0.04	0.7	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
186	House	0.05	0.005	0.08	0.07	0.02	0.09	--	0.2	0.02	0.006	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.002	0.1	0.3	0.1	0.09	0.04	0.7	0.6	0.6	0.2	0.03	0.1	0.03	0.01	0.01	0.4	0.2	0.2	0.1
189	House	0.07	0.007	0.09	0.09	0.01	0.1	--	0.2	0.01	0.008	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.1	0.3	0.1	0.1	0.04	0.7	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
192	House	0.05	0.009	0.1	0.1	0.02	0.1	--	0.2	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002	0.1	0.3	0.2	0.1	0.04	0.7	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
193	House	0.05	0.004	0.07	0.08	0.02	0.1	--	0.2	0.01	0.005	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.001	0.1	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
194[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.07	0.3	0.2	0.09	0.03	0.8	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
196[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.07	0.3	0.2	0.09	0.03	0.8	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
201	House	0.04	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0005	0.009	0.009	0.002	0.02	--	0.01	0.0009	0.09	0.3	0.1	0.09	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
203[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.07	0.3	0.2	0.09	0.03	0.8	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
206	House	0.04	0.005	0.08	0.07	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.009	0.008	0.002	0.01	--	0.02	0.001	0.09	0.3	0.1	0.09	0.04	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.01	0.01	0.4	0.2	0.2	0.1
208	Other -Not Specified	0.05	0.006	0.1	0.09	0.04	0.1	--	0.2	0.01	0.006	0.0007	0.01	0.01	0.005	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.06	0.7	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
213	Other -Not Specified	0.09	0.005	0.07	0.07	0.04	0.1	--	0.2	0.03	0.01	0.0006	0.008	0.009	0.004	0.02	--	0.03	0.003	0.1	0.3	0.1	0.09	0.06	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
216	House	0.07	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	0.0004	0.008	0.009	0.004	0.02	--	0.02	0.002	0.1	0.3	0.1	0.09	0.05	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
218[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.07	0.3	0.2	0.09	0.03	0.8	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
229	Play Area	0.02	0.005	0.07	0.07	0.004	0.06	--	0.09	0.003	0.002	0.0005	0.008	0.008	0.0005	0.008	--	0.01	0.0003	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
231	House	0.06	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.007	0.008	0.002	0.01	--	0.02	0.001	0.1	0.3	0.1	0.09	0.04	0.7	0.6	0.6	0.1	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
246	Play Area	0.01	0.005	0.06	0.06	0.004	0.06	--	0.07	0.003	0.002	0.0005	0.007	0.007	0.0004	0.006	--	0.008	0.0004	0.06	0.3	0.1	0.08	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
249	Other -Not Specified	0.03	0.004	0.06	0.06	0.01	0.09	--	0.1	0.006	0.004	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.0007	0.08	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
250	House	0.05	0.004	0.06	0.06	0.01	0.1	--	0.1	0.008	0.005	0.0004	0.007	0.007	0.002	0.01	--	0.01	0.0009	0.1	0.3	0.1	0.08	0.04	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
253	House	0.03	0.004	0.06	0.07	0.008	0.07	--	0.1	0.009	0.003	0.0005	0.007	0.008	0.001	0.008	--	0.01	0.001	0.08	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
280	Other -Not Specified	0.07	0.007	0.1	0.09	0.03	0.2	--	0.2	0.03	0.008	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.003	0.1	0.3	0.2	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
287	Agriculture	0.03	0.004	0.08	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0005	0.009	0.009	0.003	0.02	--	0.02	0.002	0.08	0.3	0.1	0.1	0.05	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
288	House	0.02	0.005	0.07	0.07	0.006	0.07	--	0.09	0.006	0.002	0.0006	0.008	0.008	0.0007	0.008	--	0.01	0.0007	0.07	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
291	Agriculture	0.02	0.004	0.05	0.06	0.007	0.06	--	0.1	0.006	0.002	0.0005	0.006	0.007	0.0009	0.007	--	0.01	0.0007	0.07	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
306	Other -Not Specified	0.03	0.004	0.06	0.06	0.007	0.07	--	0.1	0.006	0.003	0.0005	0.007	0.007	0.0009	0.008	--	0.01	0.0007	0.08	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
315	House	0.02	0.007	0.08	0.08	0.004	0.09	--	0.1	0.003	0.003	0.0008	0.01	0.01	0.0005	0.01	--	0.01	0.0003	0.08	0.3	0.1	0.1	0.02	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
316	Other -Not Specified	0.03	0.006	0.09	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.002	0.02	--	0.01	0.001	0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
317	House	0.08	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.009	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.002	0.1	0.3	0.2	0.1	0.04	0.7	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
318	Other -Not Specified	0.1	0.006	0.1	0.09	0.03	0.1	--	0.3	0.04	0.01	0.0007	0.01	0.01	0.004	0.01	--	0.03	0.005	0.2	0.3	0.1	0.1	0.05	0.7	0.6	0.8	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
319	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.05	0.01	0.0008	0.01	0.01	0.005	0.02	--	0.04	0.006	0.1	0.3	0.2	0.1	0.06	0.8	0.6	0.8	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
325	Garden	0.03	0.005	0.07	0.07	0.005	0.08	--	0.09	0.003	0.003	0.0006	0.008	0.008	0.0006	0.01	--	0.01	0.0004	0.08	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
326	Other -Not Specified	0.02	0.005	0.06	0.07	0.006	0.06	--	0.1	0.005	0.002	0.0005	0.007	0.008	0.0007	0.007	--	0.01	0.0006	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
327	Other -Not Specified	0.02	0.004	0.05	0.06	0.005	0.05	--	0.09	0.004	0.002	0.0005	0.006	0.008	0.0005	0.006	--	0.01	0.0004	0.07	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
345	Play Area	0.03	0.006	0.1	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.001	0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
346	Garden	0.05	0.007	0.1	0.08	0.02	0.1	--	0.2	0.01	0.006	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
347	Other -Not Specified	0.05	0.004	0.07	0.07	0.03	0.1	--	0.2	0.02	0.006	0.0005	0.009	0.008	0.003	0.01	--	0.02	0.003	0.1	0.3	0.1	0.08	0.05	0.7	0.6	0.7	0.2	0.03	0.1	0.03	0.01	0.01	0.4	0.2	0.2	0.1
801	Other -Not Specified	0.06	0.003	0.05	0.09	0.03	0.05	--	0.2	0.02	0.007	0.0004	0.005	0.01	0.003	0.006	--	0.02	0.002	0.1	0.3	0.09	0.1	0.05	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
1001	Other -Not Specified	0.08	0.004	0.05	0.1	0.04	0.05	--	0.2	0.03	0.009	0.0004	0.006	0.01	0.004	0.006	--	0.03	0.003	0.1	0.3	0.1	0.1	0.06	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
1005	Garden	0.04	0.006	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0008	0.009	0.01	0.002	0.01	--	0.02	0.001	0.09	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
1006	House	0.03	0.008	0.08	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.0009	0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
1007	Garden	0.02	0.009	0.08	0.08	0.007	0.1	--	0.1	0.005	0.003	0.001	0.009	0.01	0.0008	0.01	--	0.01	0.0006	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
1008	Agriculture	0.02	0.009	0.06	0.07	0.01	0.08	--	0.1	0.01	0.003	0.001	0.007	0.008	0.001	0.01	--	0.01	0.001	0.08	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
1010	Agriculture	0.03	0.008	0.06	0.07	0.02	0.09	--	0.1	0.01	0.004	0.0009	0.007	0.008	0.002	0.01	--	0.01	0.001	0.08	0.3	0.1	0.09	0.04	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
1011	Agriculture	0.04	0.005	0.04	0.05	0.02	0.06	--	0.1	0.01	0.005	0.0005	0.005	0.005	0.002	0.007	--	0.01	0.002	0.09	0.3	0.09	0.06	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
1015	Garden	0.02	0.005	0.08	0.09	0.006	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0005	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
1017	Garden	0.03	0.003	0.05	0.07	0.01	0.09	--	0.1	0.008	0.003	0.0004	0.006	0.008	0.001	0.01	--	0.01	0.001	0.08	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
1018	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.08	0.004	0.002	0.0004	0.007	0.009	0.0008	0.01	--	0.01	0.0005	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
1020	Garden	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.001	0.09	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
1021[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.07	0.3	0.2	0.09	0.03	0.8	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
1030[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
1035	Garden	0.05	0.009	0.1	0.09	0.01	0.2	--	0.2	0.01	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
1036	Play Area	0.03	0.006	0.09	0.09	0.009	0.1	--	0.1	0.007	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.02	0.0008	0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
1037	Garden	0.04	0.006	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
1060	House	0.03	0.005	0.07	0.07	0.01	0.09	--	0.1	0.01	0.003	0.0005	0.008	0.008	0.001	0.01	--	0.01	0.001	0.08	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
3000	House	0.01	0.005	0.06	0.07	0.003	0.06	--	0.08	0.002	0.002	0.0005	0.007	0.009	0.0004	0.007	--	0.009	0.0003	0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
3001	Garden	0.08	0.01	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.001	0.02	0.02	0.004	0.02	--	0.03	0.002	0.1	0.3	0.2	0.2	0.05	0.7	0.6	0.8	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
3003	Other -Not Specified	0.1	0.007	0.1	0.1	0.03	0.1	--	0.3	0.02	0.01	0.0009	0.01	0.01	0.003	0.01	--	0.03	0.003	0.1	0.3	0.1	0.1	0.05	0.7	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
3004	House	0.03	0.005	0.07	0.07	0.01	0.1	--	0.1	0.006	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0007	0.08	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
075-A1	Agriculture	0.02	0.006	0.08	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0007	0.009	0.01	0.001	0.01	--	0.01	0.001	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1

Table 5-32. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	
		Child									Adult										Child									Adult								
DU	DU Type																																					
075-H1	House	0.03	0.005	0.07	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.002	0.02	--	0.02	0.002		0.08	0.3	0.1	0.09	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
075-O1	Other -Not Specified	0.03	0.005	0.06	0.2	0.02	0.08	--	0.2	0.02	0.004	0.0006	0.008	0.02	0.003	0.01	--	0.02	0.003		0.08	0.3	0.1	0.2	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.03	0.01	0.4	0.2	0.2	0.1
076-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.08	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
076-G2	Garden	0.05	0.007	0.09	0.1	0.02	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
076-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.001	0.03	--	0.02	0.002		0.08	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
076-H2	House	0.04	0.006	0.09	0.09	0.01	0.2	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.001	0.02	--	0.02	0.001		0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
076-N1	Animal Activity Area	0.04	0.007	0.1	0.1	0.03	0.2	--	0.1	0.01	0.005	0.0008	0.01	0.01	0.003	0.02	--	0.02	0.001		0.09	0.3	0.1	0.1	0.05	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
077-A1	Agriculture	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.006	0.008	0.0004	0.009	--	0.008	0.0003		0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
077-A2	Agriculture	0.009	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.009	--	0.008	0.0004		0.06	0.3	0.09	0.08	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
077-G1	Garden	0.01	0.004	0.06	0.07	0.004	0.08	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003		0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
077-H1	House	0.01	0.004	0.05	0.06	0.004	0.07	--	0.07	0.003	0.001	0.0004	0.006	0.007	0.0004	0.008	--	0.008	0.0004		0.06	0.3	0.09	0.08	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
077-H2	House	0.01	0.004	0.05	0.07	0.004	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0005	0.009	--	0.008	0.0004		0.06	0.3	0.1	0.09	0.03	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
077-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.008	0.0005	0.009	--	0.009	0.0004		0.06	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
078-G1	Garden	0.01	0.004	0.05	0.07	0.003	0.09	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0004	0.01	--	0.008	0.0005		0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
078-H1	House	0.007	0.003	0.04	0.06	0.002	0.06	--	0.06	0.003	0.0009	0.0004	0.005	0.007	0.0002	0.007	--	0.006	0.0003		0.06	0.3	0.09	0.07	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
078-N1	Animal Activity Area	0.01	0.004	0.05	0.06	0.003	0.07	--	0.06	0.003	0.001	0.0005	0.006	0.007	0.0003	0.008	--	0.007	0.0003		0.06	0.3	0.09	0.08	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
078-O1	Other -Not Specified	0.009	0.004	0.06	0.07	0.002	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0003	0.01	--	0.008	0.0004		0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
079-H1	House	0.03	0.005	0.06	0.09	0.009	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.001		0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
079-H2	House	0.04	0.007	0.07	0.08	0.01	0.2	--	0.1	0.01	0.005	0.0008	0.008	0.009	0.002	0.02	--	0.02	0.001		0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
080-H1	House	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.004	0.004	0.001	0.02	0.01	0.0005	0.02	--	0.02	0.0004		0.08	0.3	0.2	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
081-A1	Agriculture	0.02	0.005	0.08	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0006		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
081-H1	House	0.02	0.007	0.1	0.1	0.006	0.1	--	0.1	0.008	0.003	0.0009	0.01	0.01	0.0007	0.01	--	0.01	0.001		0.07	0.3	0.2	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
081-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.02	0.003	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002		0.08	0.3	0.2	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
082-G1	Garden	0.01	0.004	0.06	0.07	0.003	0.09	--	0.07	0.003	0.001	0.0005	0.007	0.008	0.0004	0.01	--	0.009	0.0003		0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
082-G2	Garden	0.02	0.004	0.06	0.07	0.005	0.1	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006		0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
082-H1	House	0.01	0.004	0.05	0.07	0.004	0.09	--	0.08	0.004	0.001	0.0004	0.006	0.008	0.0004	0.01	--	0.009	0.0005		0.06	0.3	0.1	0.08	0.02	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
082-N1	Animal Activity Area	0.01	0.004	0.05	0.07	0.004	0.1	--	0.08	0.004	0.002	0.0005	0.006	0.008	0.0005	0.01	--	0.009	0.0005		0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
082-N2	Animal Activity Area	0.02	0.004	0.06	0.07	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006		0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
083-G1	Garden	0.02	0.005	0.08	0.09	0.005	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0006		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
083-G2	Garden	0.02	0.005	0.07	0.08	0.005	0.1	--	0.09	0.004	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0005		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
083-H1	House	0.02	0.005	0.07	0.08	0.006	0.09	--	0.09	0.007	0.002	0.0006	0.009	0.009	0.0007	0.01	--	0.01	0.0008		0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
084-H1	House	0.01	0.005	0.07	0.09	0.005	0.1	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0006	0.01	--	0.01	0.0004		0.06	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
085-H1	House	0.02	0.004	0.06	0.07	0.008	0.1	--	0.09	0.007	0.002	0.0005	0.007	0.008	0.0009	0.01	--	0.01	0.0008		0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
085-O1	Other -Not Specified	0.03	0.006	0.1	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0007	0.01	0.009	0.002	0.02	--	0.01	0.001		0.08	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
085-P1	Play Area	0.05	0.008	0.09	0.09	0.02	0.2	--	0.2	0.02	0.006	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002		0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
086-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.009	0.001	0.02	--	0.01	0.0009		0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
086-H1	House	0.02	0.003	0.06	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0004	0.007	0.01	0.001	0.02	--	0.01	0.0008		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
086-H2	House	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001		0.08	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
087-H1	House	0.02	0.003	0.06	0.07	0.008	0.1	--	0.09	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007		0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
087-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001		0.08	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
088-H1	House	0.06	0.005	0.08	0.1	0.02	0.2	--	0.2	0.02	0.007	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.003		0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
088-H2	House	0.04	0.004	0.06	0.07	0.01	0.1	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.002	0.01	--	0.02	0.002		0.09	0.3	0.1	0.09	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
088-O1	Other -Not Specified	0.05	0.004	0.07	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002		0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
089-A1	Agriculture	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.008	0.004	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.0009		0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
089-H1	House	0.03	0.007	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0008	0.009	0.01	0.001	0.02	--	0.01	0.001		0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
089-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0008		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
090-H1	House	0.01	0.005	0.06	0.08	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.007	0.009	0.001	0.01	--	0.01	0.0009		0.06	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
090-O2	Other -Not Specified	0.01	0.007	0.09	0.1	0.01	0.2	--	0.1	0.007	0.002	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.0008		0.06	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
091-G1	Garden	0.03	0.006	0.09	0.1	0.01	0.1	--	0.1	0.009	0.003	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.001		0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
091-H1	House	0.03	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0008		0.08	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
092-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.07	--	0.1	0.02	0.002	0.0005	0.006	0.007	0.002	0.009	--	0.02	0.002		0.07	0.3	0.09	0.08	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
092-O2	Other -Not Specified	0.02	0.004	0.05	0.06	0.01	0.08	--	0.1	0.01	0.003	0.0005	0.006	0.007	0.002	0.009	--	0.01	0.001		0.07	0.3	0.09	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
093-H1	House	0.03	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.003	0.0004	0.007	0.009	0.001	0.01	--	0.01	0.0007		0.08	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
094-H1	House	0.03	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.02	--	0.01	0.0009		0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
094-P1	Play Area	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001		0.08	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
095-A1	Agriculture	0.04	0.004	0.06	0.1	0.02	0.2	--	0.2	0.02	0.005	0.0004	0.007	0.01	0.003	0.02	--	0.02	0.002		0.09	0.3	0.1	0.1	0.04	0.8	0.6	0.7	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
095-H1	House	0.04	0.005	0.07	0.1	0.02	0.2	--	0.2	0.01	0.005	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002		0.09	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
095-O1	Other -Not Specified	0.04	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002		0.09	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
095-O2	Other -Not Specified	0.05	0.005	0.07	0.1	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.002		0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
096-H1	House	0.04	0.006	0.08	0.09	0.02	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002		0.09	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
096-O1	Other -Not Specified	0.07	0.006	0.08	0.1	0.02	0.2	--	0.2	0.03	0.008	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003		0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
097-H1	House	0.02	0.005	0.07	0.09	0.01	0.09	--	0.2	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001		0.07	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
097-H2	House	0.02	0.005	0.06	0.08	0.008	0.07	--	0.2	0.01	0.002	0.0006	0.008	0.01	0.0009	0.009	--	0.02	0.001		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
098-G1	Garden	0.01	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.01	--	0.009	0.0003		0.06	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
098-H1	House	0.008	0.004	0.06	0.08	0.005	0.08	--	0.08	0.003	0.001	0.0005	0.007	0.01	0.0006	0.009	--	0.009	0.0004		0.06	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
098-O1	Other -Not Specified	0.008	0.004	0.06	0.09	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.007	0.01	0.0004	0.009	--	0.009	0.0003		0.06	0.3	0.1	0.1	0.02	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
099-A1	Agriculture	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1

Table 5-32. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																		Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																				
099-G2	Garden	0.02	0.004	0.05	0.07	0.009	0.1	--	0.09	0.007	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.0008	0.07	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
099-H1	House	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.003	0.0004	0.006	0.007	0.002	0.01	--	0.01	0.002	0.07	0.3	0.09	0.07	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
099-O1	Other -Not Specified	0.02	0.004	0.05	0.06	0.02	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.002	0.01	--	0.02	0.002	0.07	0.3	0.1	0.08	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
100-G1	Garden	0.02	0.005	0.08	0.1	0.006	0.1	--	0.1	0.006	0.002	0.0006	0.01	0.01	0.0007	0.01	--	0.02	0.0007	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
100-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.02	0.003	0.0006	0.009	0.009	0.002	0.01	--	0.02	0.002	0.08	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
100-N1	Animal Activity Area	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.009	0.01	0.001	0.02	--	0.01	0.001	0.08	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
100-N2	Animal Activity Area	0.03	0.005	0.09	0.1	0.009	0.1	--	0.1	0.007	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0008	0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
100-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.01	0.001	0.08	0.3	0.1	0.08	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
101-G1	Garden	0.02	0.007	0.1	0.09	0.008	0.1	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.0009	0.02	--	0.01	0.0006	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
101-H1	House	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.002	0.07	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
101-O1	Other -Not Specified	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002	0.09	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
102-G1	Garden	0.02	0.007	0.1	0.1	0.008	0.2	--	0.1	0.005	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0006	0.07	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
102-H1	House	0.02	0.008	0.09	0.09	0.004	0.1	--	0.08	0.003	0.002	0.0009	0.01	0.01	0.0004	0.01	--	0.01	0.0003	0.07	0.3	0.1	0.1	0.02	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
103-H1	House	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001	0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
103-O1	Other -Not Specified	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.001	0.08	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
104-H1	House	0.07	0.005	0.07	0.09	0.01	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
104-H2	House	0.06	0.004	0.06	0.08	0.01	0.1	--	0.2	0.01	0.007	0.0005	0.007	0.01	0.001	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.03	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
104-N1	Animal Activity Area	0.06	0.004	0.05	0.07	0.01	0.1	--	0.1	0.01	0.007	0.0004	0.006	0.008	0.001	0.02	--	0.02	0.001	0.1	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.2	0.03	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
105-H1	House	0.03	0.003	0.04	0.05	0.01	0.08	--	0.1	0.008	0.004	0.0003	0.005	0.006	0.001	0.009	--	0.01	0.001	0.08	0.3	0.09	0.07	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
105-P1	Play Area	0.03	0.002	0.03	0.04	0.03	0.08	--	0.1	0.01	0.004	0.0002	0.003	0.005	0.003	0.009	--	0.01	0.001	0.08	0.3	0.07	0.06	0.05	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
106-G1	Garden	0.01	0.006	0.07	0.06	0.005	0.08	--	0.08	0.003	0.001	0.0007	0.009	0.008	0.0006	0.009	--	0.009	0.0004	0.06	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.01	0.008	0.4	0.2	0.2	0.1
106-G2	Garden	0.01	0.005	0.07	0.08	0.006	0.1	--	0.08	0.003	0.002	0.0005	0.008	0.009	0.0007	0.01	--	0.009	0.0004	0.06	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
106-H1	House	0.01	0.005	0.06	0.08	0.003	0.08	--	0.07	0.003	0.001	0.0006	0.008	0.009	0.0004	0.01	--	0.008	0.0003	0.06	0.3	0.1	0.1	0.02	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
106-O1	Other -Not Specified	0.01	0.006	0.07	0.08	0.004	0.08	--	0.07	0.002	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.008	0.0003	0.06	0.3	0.1	0.1	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
107-H1	House	0.02	0.004	0.05	0.07	0.03	0.1	--	0.1	0.01	0.002	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.001	0.07	0.3	0.1	0.09	0.05	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
108-H1	House	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0009	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
108-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.02	0.002	0.08	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
108-O2	Other -Not Specified	0.02	0.005	0.07	0.08	0.008	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
109-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
110-A1	Agriculture	0.03	0.004	0.08	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.002	0.02	--	0.02	0.001	0.08	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
110G	Garden	0.03	0.004	0.06	0.06	0.005	0.1	--	0.1	0.004	0.003	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0004	0.08	0.3	0.1	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
110-G1	Garden	0.02	0.004	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0004	0.008	0.01	0.001	0.02	--	0.01	0.0009	0.07	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
110-G2	Garden	0.01	0.004	0.07	0.1	0.005	0.1	--	0.09	0.004	0.002	0.0004	0.008	0.01	0.0006	0.02	--	0.01	0.0005	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
110-H1	House	0.02	0.004	0.06	0.09	0.009	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.01	0.001	0.01	--	0.01	0.0008	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
110-O1	Other -Not Specified	0.01	0.003	0.05	0.07	0.007	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.0008	0.01	--	0.01	0.0006	0.07	0.3	0.09	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
110-O2	Other -Not Specified	0.03	0.004	0.07	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.08	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
111-H1	House	0.02	0.004	0.06	0.07	0.004	0.08	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0005	0.01	--	0.01	0.0004	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
112G	Garden	0.09	0.008	0.08	0.07	0.04	0.2	--	0.2	0.02	0.01	0.0009	0.009	0.009	0.005	0.02	--	0.02	0.002	0.1	0.3	0.1	0.09	0.06	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
112-G1	Garden	0.05	0.01	0.09	0.09	0.02	0.1	--	0.1	0.02	0.006	0.001	0.01	0.01	0.002	0.01	--	0.02	0.002	0.1	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
112-H1	House	0.04	0.01	0.08	0.08	0.02	0.09	--	0.1	0.02	0.005	0.001	0.009	0.01	0.002	0.01	--	0.01	0.002	0.09	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
112-O1	Other -Not Specified	0.07	0.009	0.08	0.08	0.03	0.1	--	0.2	0.03	0.008	0.001	0.009	0.01	0.004	0.01	--	0.02	0.004	0.1	0.3	0.1	0.1	0.05	0.7	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
113-G1	Garden	0.04	0.006	0.09	0.1	0.03	0.2	--	0.2	0.02	0.005	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.09	0.3	0.1	0.1	0.05	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
113-G2	Garden	0.05	0.007	0.1	0.1	0.03	0.2	--	0.2	0.02	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003	0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
113-G3	Garden	0.03	0.005	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.007	0.008	0.002	0.01	--	0.01	0.001	0.08	0.3	0.1	0.09	0.04	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
113low	Other -Not Specified	0.08	0.006	0.08	0.1	0.02	0.2	--	0.2	0.02	0.009	0.0007	0.009	0.01	0.003	0.02	--	0.03	0.003	0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
113-O1	Other -Not Specified	0.03	0.005	0.08	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.01	0.002	0.08	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
113up	Other -Not Specified	0.1	0.005	0.08	0.08	0.03	0.2	--	0.3	0.03	0.01	0.0005	0.009	0.009	0.004	0.02	--	0.03	0.004	0.2	0.3	0.1	0.09	0.06	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
114-G1	Garden	0.03	0.005	0.05	0.1	0.02	0.07	--	0.1	0.03	0.004	0.0005	0.006	0.01	0.002	0.009	--	0.02	0.003	0.08	0.3	0.09	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
114-H1	House	0.04	0.005	0.06	0.2	0.02	0.08	--	0.2	0.03	0.004	0.0006	0.007	0.02	0.003	0.01	--	0.02	0.004	0.09	0.3	0.1	0.2	0.05	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
114-O1	Other -Not Specified	0.03	0.006	0.06	0.2	0.02	0.08	--	0.2	0.03	0.003	0.0006	0.008	0.02	0.002	0.009	--	0.02	0.003	0.08	0.3	0.1	0.2	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
115-O1	Other -Not Specified	0.1	0.008	0.1	0.1	0.03	0.1	--	0.3	0.02	0.02	0.0009	0.01	0.01	0.004	0.01	--	0.04	0.002	0.2	0.3	0.1	0.1	0.05	0.7	0.6	0.8	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
115SP	Other -Not Specified	0.09	0.005	0.08	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0006	0.009	0.01	0.007	0.02	--	0.04	0.003	0.1	0.3	0.1	0.1	0.08	0.8	0.6	0.8	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
116M	House	0.06	0.004	0.07	0.1	0.05	0.07	--	0.2	0.02	0.007	0.0005	0.008	0.01	0.006	0.008	--	0.02	0.002	0.1	0.3	0.1	0.1	0.07	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
116-O1	Other -Not Specified	0.02	0.006	0.07	0.08	0.01	0.2	--	0.1	0.01	0.002	0.0007	0.009	0.01	0.002	0.02	--	0.01	0.001	0.07	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
117-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.004	0.1	--	0.1	0.002	0.004	0.001	0.02	0.02	0.0005	0.02	--	0.01	0.0002	0.08	0.3	0.2	0.2	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
118-G1	Garden	0.01	0.005	0.08	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.02	--	0.01	0.0004	0.06	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
118-G2	Garden	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003	0.06	0.3	0.1	0.09	0.03	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
118-H1	House	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.01	0.0005	0.01	--	0.009	0.0004	0.06	0.3	0.1	0.1	0.03	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
118-N1	Animal Activity Area	0.02	0.004	0.05	0.07	0.007	0.1	--	0.08	0.007	0.002	0.0004	0.006	0.008	0.0009	0.02	--	0.009	0.0008	0.07	0.3	0.09	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
118-N2	Animal Activity Area	0.02	0.003	0.05	0.07	0.01	0.2	--	0.09	0.01	0.003	0.0004	0.006	0.008	0.001	0.02	--	0.01	0.001	0.07	0.3	0.09	0.09	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
119-P1	Play Area	0.09	0.004	0.08	0.08	0.04	0.2	--	0.2	0.03	0.01	0.0005	0.009	0.01	0.004	0.02	--	0.03	0.003	0.1	0.3	0.1	0.1	0.06	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
120-A1	Agriculture	0.02	0.01	0.07	0.06	0.008	0.07	--	0.07	0.007	0.003	0.001	0.008	0.007	0.0009	0.009	--	0.009	0.0009	0.07	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
120-G1	Garden	0.02	0.008	0.03	0.04	0.01	0.07	--	0.07	0.01	0.002	0.0009	0.004	0.005	0.001	0.008	--	0.008	0.001	0.07	0.3	0.08	0.06	0.03	0.7	0.6	0.5	0.2	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
120-H1	House	0.02	0.007	0.05	0.05	0.01	0.07	--	0.07	0.008	0.003	0.0008	0.005	0.006	0.001	0.008	--	0.009	0.0009	0.07	0.3	0.09	0.07	0.03	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
120-O1	Other -Not Specified	0.03	0.01	0.05	0.06	0.01	0.09	--	0.09	0.01	0.004	0.001	0.006	0.006	0.002	0.01	--	0.01	0.001	0.08	0.3	0.09	0.07	0.04	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
121-G1	Garden	0.02	0.006	0.07	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.008	0.01	0.0008	0.01	--	0.01	0.0004	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1

Table 5-32. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																			Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																			By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult										Child									Adult								
DU	DU Type																																					
121-H1	House	0.02	0.005	0.07	0.08	0.009	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0007		0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
121-N1	Animal Activity Area	0.02	0.005	0.07	0.09	0.006	0.1	--	0.09	0.003	0.002	0.0006	0.008	0.01	0.0007	0.01	--	0.01	0.0004		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
121-N2	Animal Activity Area	0.02	0.005	0.07	0.09	0.009	0.1	--	0.1	0.005	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0006		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
122-G1	Garden	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008		0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
122-G2	Garden	0.02	0.004	0.06	0.07	0.008	0.09	--	0.09	0.007	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.0008		0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
122-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.002	0.0005	0.009	0.01	0.001	0.02	--	0.01	0.002		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
122-H2	House	0.01	0.004	0.06	0.08	0.009	0.1	--	0.09	0.008	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
122-O1	Other -Not Specified	0.03	0.004	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002		0.08	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
122-O2	Other -Not Specified	0.04	0.004	0.07	0.09	0.03	0.1	--	0.2	0.03	0.005	0.0005	0.008	0.01	0.003	0.02	--	0.02	0.003		0.09	0.3	0.1	0.1	0.05	0.7	0.6	0.7	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
122-P1	Play Area	0.04	0.004	0.07	0.09	0.04	0.2	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.02	--	0.02	0.004		0.09	0.3	0.1	0.1	0.06	0.8	0.6	0.7	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
123-G1	Garden	0.04	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001		0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
123-G2	Garden	0.04	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0008	0.01	0.01	0.002	0.02	--	0.01	0.001		0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
123-H1	House	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.009	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001		0.08	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
123-O1	Other -Not Specified	0.03	0.007	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001		0.08	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
123-O2	Other -Not Specified	0.05	0.007	0.1	0.1	0.04	0.2	--	0.2	0.03	0.006	0.0008	0.01	0.01	0.004	0.02	--	0.02	0.003		0.1	0.3	0.1	0.1	0.06	0.8	0.6	0.7	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
124-G1	Garden	0.01	0.007	0.09	0.1	0.005	0.09	--	0.1	0.006	0.002	0.0009	0.01	0.01	0.0006	0.01	--	0.01	0.0006		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
124-G2	Garden	0.04	0.01	0.2	0.1	0.02	0.1	--	0.2	0.01	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.002		0.09	0.3	0.2	0.1	0.04	0.8	0.6	0.7	0.2	0.02	0.1	0.04	0.02	0.01	0.4	0.2	0.2	0.1
124-H1	House	0.03	0.01	0.2	0.2	0.007	0.2	--	0.2	0.007	0.004	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0008		0.08	0.3	0.2	0.2	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
124-N1	Animal Activity Area	0.02	0.009	0.08	0.07	0.005	0.07	--	0.09	0.005	0.002	0.001	0.009	0.008	0.0006	0.008	--	0.01	0.0005		0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.01	0.008	0.4	0.2	0.2	0.1
124-N2	Animal Activity Area	0.01	0.005	0.07	0.1	0.001	0.08	--	0.07	0.001	0.001	0.0006	0.008	0.01	0.0002	0.01	--	0.008	0.0001		0.06	0.3	0.1	0.1	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
124-O1	Other -Not Specified	0.03	0.01	0.2	0.1	0.01	0.2	--	0.2	0.01	0.004	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002		0.08	0.3	0.2	0.2	0.03	0.8	0.6	0.7	0.2	0.02	0.1	0.04	0.02	0.009	0.4	0.2	0.2	0.1
125-O1	Other -Not Specified	0.02	0.007	0.09	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0008	0.01	0.01	0.001	0.01	--	0.01	0.001		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
126-A1	Agriculture	0.02	0.003	0.04	0.07	0.008	0.09	--	0.09	0.007	0.002	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.0008		0.07	0.3	0.09	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
126-G1	Garden	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.004	0.003	0.0005	0.007	0.01	0.0008	0.01	--	0.01	0.0005		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
126-G2	Garden	0.02	0.004	0.05	0.07	0.008	0.1	--	0.08	0.006	0.002	0.0004	0.006	0.008	0.0009	0.01	--	0.01	0.0007		0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
126-H1	House	0.01	0.003	0.04	0.06	0.004	0.07	--	0.06	0.003	0.001	0.0003	0.005	0.007	0.0004	0.008	--	0.007	0.0004		0.06	0.3	0.09	0.08	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
126-O1	Other -Not Specified	0.02	0.003	0.05	0.07	0.007	0.09	--	0.08	0.005	0.002	0.0004	0.005	0.008	0.0008	0.01	--	0.01	0.0006		0.07	0.3	0.09	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
126-O2	Other -Not Specified	0.01	0.003	0.04	0.07	0.006	0.07	--	0.07	0.003	0.002	0.0003	0.005	0.008	0.0007	0.008	--	0.008	0.0004		0.06	0.3	0.09	0.09	0.03	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
126-O3	Other -Not Specified	0.02	0.004	0.06	0.08	0.007	0.09	--	0.1	0.005	0.002	0.0005	0.008	0.01	0.0008	0.01	--	0.01	0.0006		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
126-P1	Play Area	0.01	0.003	0.04	0.06	0.005	0.05	--	0.1	0.003	0.002	0.0003	0.005	0.007	0.0006	0.005	--	0.01	0.0004		0.06	0.3	0.09	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
127-A1	Agriculture	0.03	0.004	0.07	0.09	0.02	0.2	--	0.1	0.01	0.004	0.0005	0.009	0.01	0.003	0.02	--	0.02	0.002		0.09	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
127-G1	Garden	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
127-G2	Garden	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
127-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.001		0.08	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
127-H2	House	0.01	0.005	0.06	0.08	0.007	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
127-N1	Animal Activity Area	0.02	0.003	0.05	0.08	0.02	0.1	--	0.1	0.01	0.003	0.0004	0.006	0.009	0.002	0.01	--	0.01	0.001		0.07	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
128-G1	Garden	0.05	0.01	0.1	0.1	0.008	0.1	--	0.1	0.006	0.006	0.001	0.01	0.01	0.0009	0.02	--	0.02	0.0007		0.1	0.3	0.2	0.1	0.03	0.7	0.6	0.6	0.1	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
128-G2	Garden	0.05	0.02	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.002	0.01	0.01	0.001	0.02	--	0.02	0.001		0.1	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
128-G3	Garden	0.03	0.008	0.1	0.1	0.006	0.1	--	0.1	0.004	0.004	0.0009	0.01	0.01	0.0007	0.02	--	0.02	0.0005		0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
128-N1	Animal Activity Area	0.05	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.005	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.001		0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
128-O1	Other -Not Specified	0.04	0.02	0.09	0.1	0.01	0.1	--	0.1	0.007	0.004	0.002	0.01	0.01	0.001	0.02	--	0.02	0.0009		0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
129-H1	House	0.05	0.004	0.05	0.08	0.04	0.07	--	0.2	0.02	0.006	0.0004	0.006	0.009	0.004	0.008	--	0.02	0.002		0.1	0.3	0.1	0.1	0.06	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
129-H2	House	0.05	0.003	0.05	0.07	0.04	0.08	--	0.2	0.02	0.005	0.0004	0.006	0.008	0.004	0.009	--	0.02	0.003		0.1	0.3	0.1	0.09	0.06	0.7	0.6	0.7	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
130-G1	Garden	0.01	0.004	0.05	0.07	0.006	0.08	--	0.07	0.004	0.001	0.0005	0.006	0.008	0.0006	0.01	--	0.008	0.0005		0.06	0.3	0.09	0.09	0.03	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
130-H1	House	0.008	0.004	0.05	0.08	0.003	0.07	--	0.07	0.002	0.0009	0.0005	0.006	0.009	0.0003	0.008	--	0.008	0.0003		0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
130-H2	House	0.02	0.005	0.07	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0007		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
131-H1	House	0.03	0.005	0.07	0.09	0.01	0.09	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.002		0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
132-G1	Garden	0.01	0.004	0.06	0.08	0.003	0.06	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.007	--	0.008	0.0003		0.06	0.3	0.1	0.1	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
132-G2	Garden	0.009	0.004	0.07	0.09	0.002	0.08	--	0.07	0.001	0.001	0.0005	0.008	0.01	0.0002	0.009	--	0.008	0.0001		0.06	0.3	0.1	0.1	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
132-H1	House	0.01	0.004	0.05	0.07	0.004	0.07	--	0.07	0.004	0.001	0.0004	0.006	0.008	0.0005	0.008	--	0.009	0.0004		0.06	0.3	0.1	0.08	0.03	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
132-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.1	--	0.09	0.004	0.002	0.0006	0.009	0.01	0.0007	0.01	--	0.01	0.0004		0.06	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
133-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.1	--	0.2	0.02	0.005	0.0006	0.009	0.01	0.003	0.02	--	0.02	0.002		0.1	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
133-H1	House	0.03	0.02	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.002	0.008	0.01	0.001	0.01	--	0.01	0.001		0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
134-O1	Other -Not Specified	0.1	0.004	0.07	0.08	0.06	0.1	--	0.3	0.03	0.01	0.0005	0.008	0.01	0.007	0.01	--	0.04	0.004		0.2	0.3	0.1	0.1	0.08	0.7	0.6	0.8	0.2	0.03	0.1	0.02	0.02	0.02	0.4	0.2	0.2	0.1
135-G1	Garden	0.05	0.005	0.07	0.07	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.008	0.009	0.001	0.02	--	0.02	0.001		0.1	0.3	0.1	0.09	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
135-H1	House	0.05	0.005	0.07	0.09	0.01	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.002		0.1	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
135-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.01	0.2	--	0.1	0.01	0.006	0.0006	0.009	0.01	0.001	0.02	--	0.02	0.001		0.1	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
136-A1	Agriculture	0.02	0.005	0.06	0.08	0.01	0.08	--	0.09	0.005	0.002	0.0006	0.007	0.009	0.001	0.009	--	0.01	0.0005		0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
136-G1	Garden	0.01	0.005	0.06	0.07	0.007	0.08	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0008	0.01	--	0.01	0.0005		0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
136-H1	House	0.02	0.005	0.06	0.07	0.009	0.07	--	0.09	0.005	0.002	0.0006	0.006	0.008	0.001	0.008	--	0.01	0.0006		0.07	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
136-O1	Other -Not Specified	0.02	0.003	0.04	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.005	0.007	0.003	0.01	--	0.02	0.002		0.07	0.3	0.09	0.08	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
137-O1	Other -Not Specified	0.02	0.003	0.04	0.05	0.02	0.09	--	0.1	0.02	0.002	0.0003	0.005	0.006	0.002	0.01	--	0.01	0.002		0.07	0.3	0.08	0.07	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
137-O2	Other -Not Specified	0.02	0.003	0.05	0.06	0.02	0.1	--	0.1	0.02	0.002	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.002		0.07	0.3	0.09	0.08	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
138-G1	Garden	0.02	0.008	0.09	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0009	0.01	0.01	0.001	0.01	--	0.01	0.001		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
138-G2	Garden	0.02	0.009	0.09	0.08	0.01	0.1	--	0.08	0.009	0.002	0.001	0.01	0.009	0.001	0.02	--	0.01	0.001		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
138-H1	House	0.02	0.009	0.09	0.1	0.009	0.1	--	0.1	0.007	0.002	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0008		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
138-O1	Other -Not Specified	0.01	0.007	0.08	0.1	0.006	0.1	--	0.09	0.005	0.002	0.0008	0.009	0.01	0.0007	0.01	--	0.01	0.0006		0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.

Table 5-32. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																		
138-O2	Other -Not Specified	0.02	0.01	0.08	0.08	0.01	0.1	--	0.09	0.02	0.003	0.001	0.009	0.009	0.001	0.01	--	0.01	0.002	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
139-G1	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0006	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
139-G2	Garden	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0009	0.01	--	0.01	0.0006	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
139-H1	House	0.02	0.004	0.07	0.07	0.006	0.1	--	0.09	0.006	0.002	0.0005	0.009	0.009	0.0007	0.01	--	0.01	0.0007	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
139-N1	Animal Activity Area	0.02	0.004	0.08	0.08	0.008	0.1	--	0.1	0.006	0.002	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.0007	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
140-G1	Garden	0.09	0.004	0.07	0.09	0.05	0.2	--	0.2	0.02	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.003	0.1	0.3	0.1	0.1	0.07	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
140-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
140-O1	Other -Not Specified	0.2	0.004	0.07	0.08	0.06	0.2	--	0.4	0.04	0.02	0.0005	0.008	0.01	0.008	0.02	--	0.04	0.005	0.2	0.3	0.1	0.1	0.09	0.8	0.6	0.8	0.2	0.04	0.1	0.02	0.02	0.02	0.4	0.2	0.2	0.1
140-O2[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
141-A1	Agriculture	0.03	0.009	0.1	0.1	0.008	0.2	--	0.1	0.006	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0006	0.08	0.3	0.2	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
141-H1	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.001	0.01	0.01	0.001	0.01	--	0.01	0.0008	0.08	0.3	0.2	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
141-H2	House	0.04	0.01	0.2	0.1	0.02	0.2	--	0.1	0.01	0.005	0.001	0.02	0.02	0.002	0.02	--	0.02	0.001	0.09	0.3	0.2	0.2	0.04	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
141-H3	House	0.03	0.009	0.1	0.1	0.01	0.1	--	0.1	0.008	0.004	0.001	0.01	0.02	0.001	0.02	--	0.01	0.001	0.08	0.3	0.2	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
141-N1	Animal Activity Area	0.02	0.006	0.08	0.1	0.007	0.1	--	0.08	0.005	0.002	0.0007	0.01	0.01	0.0008	0.01	--	0.009	0.0006	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
141-N2	Animal Activity Area	0.04	0.009	0.1	0.1	0.01	0.2	--	0.1	0.007	0.004	0.001	0.02	0.02	0.001	0.02	--	0.01	0.0008	0.09	0.3	0.2	0.2	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
141-N3	Animal Activity Area	0.01	0.004	0.05	0.06	0.004	0.05	--	0.09	0.002	0.001	0.0004	0.006	0.007	0.0005	0.006	--	0.01	0.0003	0.06	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
141-N4	Animal Activity Area	0.03	0.009	0.1	0.1	0.009	0.1	--	0.1	0.006	0.004	0.001	0.01	0.01	0.001	0.02	--	0.01	0.0007	0.09	0.3	0.2	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
141-O1	Other -Not Specified	0.03	0.008	0.1	0.1	0.01	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.02	0.001	0.02	--	0.01	0.0008	0.08	0.3	0.2	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
142-H1	House	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.01	0.001	0.01	--	0.02	0.001	0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
142-O1	Other -Not Specified	0.02	0.005	0.08	0.1	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.001	0.07	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
143-A1	Agriculture	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.006	0.002	0.0004	0.007	0.009	0.0009	0.01	--	0.01	0.0007	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
143-G1	Garden	0.02	0.003	0.06	0.07	0.01	0.1	--	0.1	0.007	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0008	0.07	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
143-G2	Garden	0.02	0.004	0.07	0.07	0.007	0.1	--	0.1	0.005	0.002	0.0005	0.008	0.009	0.0008	0.01	--	0.01	0.0006	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
143-H1	House	0.02	0.004	0.06	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.0009	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
144-G1	Garden	0.04	0.005	0.08	0.08	0.02	0.1	--	0.2	0.01	0.004	0.0006	0.01	0.01	0.002	0.02	--	0.02	0.002	0.09	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
144-H1	House	0.04	0.004	0.07	0.08	0.02	0.1	--	0.2	0.02	0.004	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.002	0.09	0.3	0.1	0.1	0.04	0.7	0.6	0.7	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
145-A1	Agriculture	0.02	0.004	0.07	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.02	--	0.01	0.001	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
145-H1	House	0.04	0.005	0.08	0.09	0.02	0.2	--	0.2	0.02	0.004	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.002	0.09	0.3	0.1	0.1	0.04	0.8	0.6	0.7	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
146G	Garden	0.03	0.007	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0008	0.01	0.01	0.0007	0.02	--	0.02	0.0005	0.08	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
146-H1	House	0.2	0.004	0.07	0.09	0.1	0.2	--	0.7	0.2	0.02	0.0005	0.009	0.01	0.01	0.03	--	0.08	0.02	0.2	0.3	0.1	0.1	0.1	0.8	0.6	1	0.3	0.04	0.1	0.03	0.02	0.02	0.4	0.2	0.3	0.2
147-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.006	0.002	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0007	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
147-G2	Garden	0.02	0.005	0.08	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0005	0.009	0.01	0.001	0.01	--	0.01	0.001	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
147-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.009	0.002	0.0006	0.008	0.01	0.001	0.02	--	0.01	0.001	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
148-H1	House	0.01	0.004	0.06	0.07	0.004	0.07	--	0.08	0.004	0.001	0.0005	0.007	0.009	0.0005	0.008	--	0.009	0.0005	0.06	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
148-O1	Other -Not Specified	0.01	0.005	0.07	0.09	0.006	0.08	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.06	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
148-O3	Other -Not Specified	0.03	0.005	0.07	0.09	0.01	0.08	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.009	--	0.02	0.001	0.08	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
149-A1	Agriculture	0.04	0.05	0.3	0.2	0.02	0.2	--	0.3	0.05	0.005	0.006	0.03	0.02	0.002	0.02	--	0.03	0.006	0.09	0.3	0.3	0.2	0.04	0.8	0.6	0.8	0.2	0.02	0.1	0.05	0.03	0.01	0.4	0.2	0.2	0.1
149-G1	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.08	0.3	0.3	0.2	0.03	0.8	0.6	0.7	0.2	0.02	0.1	0.04	0.03	0.009	0.4	0.2	0.2	0.1
149-G2	Garden	0.03	0.03	0.2	0.2	0.01	0.2	--	0.2	0.02	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.08	0.3	0.2	0.2	0.03	0.8	0.6	0.7	0.2	0.02	0.1	0.04	0.02	0.009	0.4	0.2	0.2	0.1
149-H1	House	0.04	0.03	0.2	0.1	0.02	0.2	--	0.2	0.03	0.004	0.003	0.02	0.02	0.002	0.02	--	0.02	0.003	0.09	0.3	0.3	0.2	0.04	0.8	0.6	0.7	0.2	0.02	0.1	0.04	0.02	0.01	0.4	0.2	0.2	0.1
149-N1	Animal Activity Area	0.02	0.02	0.2	0.1	0.01	0.1	--	0.2	0.02	0.003	0.002	0.02	0.02	0.001	0.02	--	0.02	0.002	0.08	0.3	0.2	0.1	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
150-G1	Garden	0.01	0.004	0.05	0.07	0.005	0.08	--	0.08	0.004	0.002	0.0005	0.006	0.009	0.0006	0.009	--	0.01	0.0004	0.06	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
150-H1	House	0.01	0.005	0.06	0.07	0.005	0.08	--	0.07	0.004	0.001	0.0005	0.007	0.009	0.0005	0.009	--	0.008	0.0004	0.06	0.3	0.1	0.09	0.03	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
151-H1	House	0.02	0.006	0.07	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0007	0.008	0.01	0.001	0.01	--	0.01	0.001	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
152-G1	Garden	0.03	0.004	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.01	0.001	0.02	--	0.02	0.001	0.09	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
152-H1	House	0.04	0.007	0.08	0.07	0.02	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.008	0.002	0.01	--	0.02	0.002	0.09	0.3	0.1	0.09	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.01	0.01	0.4	0.2	0.2	0.1
153-G1	Garden	0.05	0.005	0.07	0.09	0.02	0.2	--	0.1	0.01	0.005	0.0005	0.008	0.01	0.002	0.02	--	0.02	0.001	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
153-H1	House	0.08	0.006	0.09	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0007	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
153-O1	Other -Not Specified	0.04	0.005	0.08	0.08	0.03	0.3	--	0.2	0.03	0.004	0.0005	0.009	0.01	0.004	0.03	--	0.02	0.003	0.09	0.3	0.1	0.1	0.05	0.9	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
153-O2	Other -Not Specified	0.04	0.003	0.04	0.05	0.05	0.1	--	0.2	0.03	0.005	0.0003	0.004	0.006	0.006	0.02	--	0.02	0.003	0.09	0.3	0.08	0.06	0.07	0.7	0.6	0.7	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
153-O3	Other -Not Specified	0.07	0.005	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	0.0006	0.009	0.01	0.004	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
153-O5	Other -Not Specified	0.08	0.005	0.07	0.09	0.03	0.2	--	0.2	0.03	0.009	0.0005	0.008	0.01	0.004	0.02	--	0.03	0.003	0.1	0.3	0.1	0.1	0.06	0.8	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
153-O6	Other -Not Specified	0.05	0.005	0.08	0.1	0.02	0.2	--	0.2	0.01	0.006	0.0006	0.009	0.01	0.002	0.02	--	0.02	0.001	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
153-O7	Other -Not Specified	0.08	0.005	0.08	0.09	0.05	0.2	--	0.2	0.04	0.01	0.0005	0.009	0.01	0.006	0.03	--	0.03	0.005	0.1	0.3	0.1	0.1	0.07	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
153-P1	Play Area	0.07	0.005	0.09	0.09	0.04	0.2	--	0.2	0.03	0.009	0.0006	0.01	0.01	0.004	0.03	--	0.03	0.004	0.1	0.3	0.1	0.1	0.06	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
154-G1	Garden	0.01	0.006	0.08	0.09	0.003	0.1	--	0.09	0.003	0.001	0.0007	0.009	0.01	0.0004	0.01	--	0.01	0.0003	0.06	0.3	0.1	0.1	0.02	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
154-H1	House	0.01	0.005	0.07	0.07	0.007	0.07	--	0.08	0.003	0.001	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0004	0.06	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.01	0.009	0.4	0.2	0.2	0.1
155-G1	Garden	0.04	0.004	0.07	0.07	0.02	0.1	--	0.1	0.02	0.005	0.0005	0.008	0.008	0.003	0.02	--	0.02	0.002	0.09	0.3	0.1	0.09	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
155-G2	Garden	0.02	0.005	0.07	0.08	0.01	0.1	--	0.1	0.009	0.003	0.0006	0.008	0.009	0.002	0.01	--	0.01	0.001	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
155-H1	House	0.02	0.005	0.07	0.07	0.008	0.08	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
155-H2	House	0.03	0.004	0.06	0.07	0.02	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.002	0.01	--	0.02	0.001	0.08	0.3	0.1	0.09	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
155-O2	Other -Not Specified	0.04	0.003	0.06	0.06	0.04	0.1	--	0.2	0.02	0.005	0.0004	0.007	0.007	0.005	0.01	--	0.02	0.003	0.09	0.3	0.1	0.08	0.06	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
156-H1	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.008	0.002	0.0006	0.008	0.01	0.001	0.01	--	0.01	0.0009	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
156-O1	Other -Not Specified	0.03	0.004	0.05	0.07	0.02	0.1	--	0.1	0.01	0.004	0.0004	0.006	0.008	0.003	0.01	--	0.02	0.002	0.08	0.3	0.09	0.08	0.05	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
157-G1	Garden	0.02	0.005	0.07	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0006	0.009	0.01	0.0008	0.009	--	0.01	0.0006	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
157-H1	House	0.02	0.005	0.07	0.08	0.01	0.07	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.002	0.009	--	0.02	0.001	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1

Table 5-32. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																	
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																	
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																			
157-H2	House	0.02	0.005	0.07	0.08	0.008	0.07	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.009	--	0.01	0.0008	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
157-O1	Other -Not Specified	0.02	0.004	0.06	0.06	0.009	0.06	--	0.09	0.007	0.002	0.0005	0.007	0.007	0.001	0.007	--	0.01	0.0008	0.07	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
158-H1	House	0.01	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.009	0.0005	0.008	--	0.01	0.0004	0.06	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
158-O1	Other -Not Specified	0.01	0.005	0.07	0.08	0.006	0.08	--	0.1	0.004	0.001	0.0005	0.008	0.009	0.0007	0.009	--	0.01	0.0004	0.06	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
159-G1	Garden	0.02	0.004	0.06	0.07	0.008	0.1	--	0.1	0.007	0.003	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0008	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
159-H1	House	0.02	0.003	0.05	0.06	0.006	0.07	--	0.08	0.006	0.002	0.0004	0.005	0.007	0.0007	0.008	--	0.009	0.0007	0.07	0.3	0.09	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
159-H2	House	0.03	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.08	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
159-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.005	0.08	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0006	0.01	--	0.01	0.0006	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
159-O2	Other -Not Specified	0.02	0.004	0.06	0.07	0.006	0.08	--	0.08	0.006	0.002	0.0005	0.007	0.008	0.0007	0.009	--	0.009	0.0007	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
160-G1	Garden	0.03	0.004	0.06	0.07	0.009	0.1	--	0.1	0.01	0.003	0.0005	0.007	0.008	0.001	0.01	--	0.01	0.001	0.08	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
160-H1	House	0.02	0.004	0.07	0.08	0.006	0.1	--	0.1	0.006	0.003	0.0005	0.008	0.01	0.0007	0.01	--	0.01	0.0008	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
160-H2	House	0.02	0.005	0.07	0.09	0.005	0.1	--	0.09	0.005	0.002	0.0005	0.008	0.01	0.0006	0.01	--	0.01	0.0006	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
161-H1	House	0.03	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.004	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.002	0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
161-N1	Animal Activity Area	0.02	0.004	0.06	0.06	0.008	0.08	--	0.09	0.01	0.002	0.0005	0.007	0.007	0.0009	0.009	--	0.01	0.001	0.07	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
162-H1	House	0.01	0.003	0.05	0.06	0.02	0.05	--	0.08	0.008	0.002	0.0003	0.006	0.008	0.002	0.006	--	0.009	0.0009	0.06	0.3	0.09	0.08	0.04	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
163G	Garden	0.09	0.005	0.07	0.08	0.02	0.2	--	0.2	0.02	0.01	0.0006	0.008	0.01	0.002	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
163-G1	Garden	0.01	0.003	0.05	0.06	0.008	0.09	--	0.08	0.005	0.002	0.0004	0.006	0.008	0.001	0.01	--	0.009	0.0006	0.06	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
163-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
164-H1	House	0.03	0.005	0.07	0.09	0.02	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.002	0.01	--	0.01	0.002	0.08	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
165-H1	House	0.03	0.01	0.2	0.2	0.009	0.1	--	0.09	0.005	0.003	0.002	0.02	0.02	0.001	0.02	--	0.01	0.0006	0.08	0.3	0.2	0.2	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.04	0.02	0.009	0.4	0.2	0.2	0.1
165-O1	Other -Not Specified	0.04	0.02	0.2	0.2	0.02	0.2	--	0.1	0.01	0.005	0.002	0.03	0.02	0.002	0.02	--	0.02	0.002	0.09	0.3	0.3	0.2	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.05	0.03	0.01	0.4	0.2	0.2	0.1
166-O1	Other -Not Specified	0.05	0.004	0.05	0.1	0.03	0.07	--	0.2	0.03	0.005	0.0004	0.006	0.01	0.003	0.008	--	0.02	0.003	0.1	0.3	0.09	0.1	0.05	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
167-O1	Other -Not Specified	0.02	0.004	0.06	0.08	0.009	0.08	--	0.1	0.01	0.002	0.0005	0.007	0.009	0.001	0.009	--	0.01	0.001	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
167-O2	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.07	--	0.1	0.01	0.003	0.0004	0.006	0.008	0.002	0.008	--	0.02	0.001	0.07	0.3	0.1	0.08	0.04	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
167-O3	Other -Not Specified	0.03	0.004	0.07	0.08	0.03	0.1	--	0.2	0.02	0.003	0.0005	0.008	0.009	0.003	0.01	--	0.02	0.002	0.08	0.3	0.1	0.09	0.05	0.7	0.6	0.7	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
167-O4	Other -Not Specified	0.02	0.004	0.06	0.08	0.02	0.08	--	0.2	0.01	0.003	0.0005	0.007	0.01	0.002	0.009	--	0.02	0.001	0.07	0.3	0.1	0.1	0.04	0.7	0.6	0.7	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
167-O5	Other -Not Specified	0.03	0.004	0.06	0.07	0.02	0.08	--	0.2	0.01	0.003	0.0004	0.007	0.009	0.002	0.009	--	0.02	0.001	0.08	0.3	0.1	0.09	0.04	0.7	0.6	0.7	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
167-O6	Other -Not Specified	0.03	0.004	0.06	0.07	0.03	0.1	--	0.1	0.02	0.004	0.0004	0.006	0.009	0.003	0.01	--	0.02	0.002	0.08	0.3	0.1	0.09	0.05	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
167-O7	Other -Not Specified	0.06	0.004	0.06	0.08	0.05	0.1	--	0.2	0.03	0.007	0.0004	0.007	0.009	0.006	0.01	--	0.03	0.004	0.1	0.3	0.1	0.09	0.07	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
167-O8	Other -Not Specified	0.02	0.004	0.05	0.07	0.02	0.08	--	0.1	0.01	0.002	0.0004	0.005	0.008	0.003	0.01	--	0.02	0.001	0.07	0.3	0.09	0.09	0.05	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
167-O9	Other -Not Specified	0.02	0.004	0.05	0.08	0.02	0.09	--	0.1	0.01	0.003	0.0005	0.006	0.009	0.003	0.01	--	0.02	0.002	0.07	0.3	0.1	0.09	0.05	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
168-G1	Garden	0.01	0.006	0.06	0.07	0.006	0.09	--	0.08	0.008	0.001	0.0007	0.007	0.009	0.0007	0.01	--	0.01	0.0009	0.06	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
168-G2	Garden	0.01	0.007	0.07	0.08	0.007	0.1	--	0.1	0.006	0.001	0.0008	0.008	0.009	0.0008	0.01	--	0.01	0.0007	0.06	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
168-H1	House	0.009	0.005	0.06	0.08	0.004	0.07	--	0.08	0.004	0.001	0.0006	0.007	0.009	0.0005	0.009	--	0.009	0.0005	0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
168-N1	Animal Activity Area	0.01	0.007	0.06	0.06	0.007	0.09	--	0.07	0.007	0.002	0.0008	0.007	0.007	0.0008	0.01	--	0.008	0.0008	0.06	0.3	0.1	0.08	0.03	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
168-O1	Other -Not Specified	0.04	0.01	0.07	0.08	0.03	0.07	--	0.1	0.02	0.005	0.002	0.009	0.009	0.003	0.009	--	0.02	0.002	0.09	0.3	0.1	0.1	0.05	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
169A	Other -Not Specified	0.03	0.004	0.06	0.1	0.05	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.006	0.007	--	0.02	0.002	0.09	0.3	0.1	0.1	0.07	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
169-G2	Garden	0.01	0.004	0.06	0.08	0.008	0.07	--	0.08	0.006	0.002	0.0005	0.007	0.009	0.0009	0.008	--	0.009	0.0007	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
169-G3	Garden	0.02	0.006	0.08	0.1	0.01	0.1	--	0.1	0.006	0.002	0.0007	0.01	0.01	0.001	0.01	--	0.01	0.0008	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
169-G4	Garden	0.02	0.004	0.06	0.09	0.01	0.09	--	0.08	0.007	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0008	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
169-H1	House	0.01	0.004	0.05	0.07	0.007	0.08	--	0.06	0.004	0.001	0.0004	0.005	0.008	0.0009	0.01	--	0.007	0.0005	0.06	0.3	0.09	0.09	0.03	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
170-G1	Garden	0.02	0.005	0.07	0.1	0.008	0.1	--	0.09	0.006	0.002	0.0005	0.008	0.01	0.001	0.01	--	0.01	0.0007	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
170-G2	Garden	0.02	0.005	0.07	0.09	0.02	0.1	--	0.1	0.02	0.003	0.0005	0.008	0.01	0.002	0.01	--	0.01	0.002	0.07	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
170-H1	House	0.02	0.004	0.06	0.08	0.01	0.09	--	0.1	0.008	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.0009	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
171-A1	Agriculture	0.04	0.01	0.2	0.1	0.02	0.2	--	0.2	0.02	0.004	0.002	0.02	0.02	0.002	0.02	--	0.02	0.003	0.09	0.3	0.2	0.2	0.04	0.8	0.6	0.7	0.2	0.02	0.1	0.04	0.02	0.01	0.4	0.2	0.2	0.1
171-G1	Garden	0.05	0.01	0.1	0.1	0.03	0.2	--	0.2	0.03	0.006	0.001	0.02	0.02	0.004	0.03	--	0.03	0.003	0.1	0.3	0.2	0.1	0.05	0.8	0.6	0.7	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
171-H1	House	0.03	0.008	0.1	0.1	0.02	0.1	--	0.2	0.02	0.003	0.0009	0.01	0.01	0.003	0.01	--	0.02	0.003	0.08	0.3	0.1	0.1	0.04	0.7	0.6	0.7	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
172U	Other -Not Specified	0.04	0.005	0.05	0.2	0.02	0.06	--	0.2	0.04	0.005	0.0006	0.006	0.02	0.003	0.007	--	0.02	0.004	0.09	0.3	0.09	0.2	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.03	0.01	0.4	0.2	0.2	0.1
173-G1	Garden	0.02	0.006	0.07	0.1	0.007	0.1	--	0.09	0.005	0.002	0.0008	0.008	0.01	0.0008	0.01	--	0.01	0.0006	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
173-G2	Garden	0.01	0.006	0.07	0.1	0.003	0.07	--	0.07	0.002	0.001	0.0007	0.008	0.01	0.0003	0.008	--	0.008	0.0002	0.06	0.3	0.1	0.1	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
173-G3	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.009	0.004	0.0009	0.008	0.01	0.001	0.01	--	0.01	0.001	0.09	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
173-G4	Garden	0.03	0.008	0.07	0.1	0.01	0.1	--	0.1	0.01	0.004	0.0009	0.008	0.01	0.002	0.01	--	0.01	0.001	0.08	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
173-G5	Garden	0.02	0.006	0.08	0.1	0.005	0.1	--	0.08	0.003	0.002	0.0007	0.01	0.01	0.0006	0.01	--	0.01	0.0003	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
173-H1	House	0.03	0.006	0.06	0.08	0.01	0.09	--	0.1	0.01	0.003	0.0007	0.007	0.009	0.002	0.01	--	0.01	0.002	0.08	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
173-P1	Play Area	0.03	0.006	0.07	0.09	0.02	0.1	--	0.1	0.02	0.004	0.0007	0.008	0.01	0.002	0.01	--	0.02	0.002	0.08	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
174-A1	Agriculture	0.03	0.008	0.1	0.1	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.001	0.08	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
174-G1	Garden	0.03	0.007	0.09	0.09	0.01	0.2	--	0.1	0.01	0.004	0.0009	0.01	0.01	0.001	0.03	--	0.02	0.001	0.08	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
174-H1	House	0.04	0.008	0.1	0.08	0.03	0.2	--	0.2	0.02	0.004	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002	0.09	0.3	0.1	0.1	0.05	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
174M	House	0.01	0.004	0.06	0.06	0.002	0.06	--	0.07	0.004	0.002	0.0005	0.007	0.007	0.0003	0.007	--	0.008	0.0005	0.06	0.3	0.1	0.08	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
175-G1	Garden	0.02	0.004	0.05	0.06	0.01	0.09	--	0.1	0.009	0.002	0.0005	0.006	0.008	0.001	0.01	--	0.01	0.001	0.07	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
175-G2	Garden	0.01	0.004	0.05	0.06	0.005	0.06	--	0.07	0.003	0.001	0.0004	0.005	0.007	0.0006	0.007	--	0.008	0.0004	0.06	0.3	0.09	0.07	0.03	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
175-H1	House	0.01	0.003	0.04	0.06	0.01	0.08	--	0.09	0.008	0.002	0.0004	0.005	0.007	0.001	0.009	--	0.01	0.001	0.07	0.3	0.09	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
176-A1	Agriculture	0.02	0.005	0.07	0.07	0.009	0.09	--	0.1	0.005	0.002	0.0006	0.008	0.008	0.001	0.01	--	0.01	0.0006	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
176G	Garden	0.05	0.005	0.06	0.06	0.02	0.1	--	0.1	0.01	0.006	0.0006	0.007	0.007	0.002	0.01	--	0.02	0.002	0.1	0.3	0.1	0.08	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
176-H1	House	0.02	0.004	0.06	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0005	0.007	0.009	0.0009	0.01	--	0.01	0.0007	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
176-H2	House	0.02	0.005	0.06	0.07	0.007	0.08	--	0.1	0.004	0.002	0.0006	0.008	0.009	0.0009	0.009	--	0.01	0.0005	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
176M	House	0.05	0.004	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0005	0.006	0.007	0.002	0.01	--	0.02	0.003	0.1	0.3	0.1	0.08	0.04	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1

Table 5-32. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																	Total HI Across Pathways																
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult								
DU	DU Type																																		
176-P1	Play Area	0.02	0.004	0.05	0.08	0.006	0.1	--	0.08	0.005	0.002	0.0004	0.006	0.009	0.0007	0.01	--	0.01	0.0006	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
178-H1	House	0.02	0.005	0.08	0.1	0.005	0.1	--	0.1	0.003	0.002	0.0006	0.01	0.01	0.0006	0.01	--	0.01	0.0004	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
179-H1	House	0.03	0.006	0.07	0.09	0.01	0.1	--	0.1	0.009	0.003	0.0008	0.008	0.01	0.001	0.02	--	0.01	0.001	0.08	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
180-H1	House	0.07	0.005	0.07	0.09	0.05	0.09	--	0.3	0.02	0.009	0.0005	0.008	0.01	0.005	0.01	--	0.03	0.002	0.1	0.3	0.1	0.1	0.07	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
180-H2[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
180-O1	Other -Not Specified	0.05	0.005	0.07	0.09	0.08	0.1	--	0.3	0.02	0.006	0.0005	0.008	0.01	0.009	0.01	--	0.04	0.003	0.1	0.3	0.1	0.1	0.1	0.7	0.6	0.8	0.2	0.02	0.1	0.02	0.02	0.02	0.4	0.2	0.2	0.1
181-A1	Agriculture	0.06	0.006	0.08	0.09	0.01	0.2	--	0.2	0.01	0.007	0.0008	0.009	0.01	0.002	0.02	--	0.02	0.001	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.1	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
181-G1	Garden	0.04	0.005	0.07	0.08	0.008	0.1	--	0.1	0.004	0.005	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.0005	0.09	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
181-G2	Garden	0.06	0.007	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.1	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
181-H1	House	0.06	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.007	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
181-H2	House	0.07	0.007	0.1	0.1	0.02	0.2	--	0.2	0.01	0.009	0.0008	0.01	0.01	0.002	0.02	--	0.02	0.001	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
181-N1	Animal Activity Area	0.08	0.006	0.09	0.09	0.02	0.2	--	0.2	0.01	0.009	0.0007	0.01	0.01	0.002	0.03	--	0.02	0.002	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
181-N2	Animal Activity Area	0.06	0.006	0.08	0.09	0.02	0.2	--	0.2	0.01	0.008	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
181-O1	Other -Not Specified	0.04	0.007	0.09	0.09	0.008	0.1	--	0.1	0.006	0.004	0.0008	0.01	0.01	0.001	0.02	--	0.01	0.0007	0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
182-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.2	--	0.2	0.03	0.004	0.001	0.01	0.01	0.003	0.02	--	0.02	0.003	0.09	0.3	0.2	0.1	0.04	0.8	0.6	0.7	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
182-G2	Garden	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.03	0.008	0.001	0.02	0.01	0.003	0.03	--	0.03	0.003	0.1	0.3	0.2	0.1	0.05	0.9	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
182-H1	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.2	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.08	0.3	0.2	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
182-H2	House	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.08	0.3	0.2	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
182-O1	Other -Not Specified	0.03	0.01	0.1	0.1	0.01	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.08	0.3	0.2	0.1	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
182-O2	Other -Not Specified	0.07	0.01	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	0.001	0.01	0.01	0.003	0.03	--	0.02	0.003	0.1	0.3	0.2	0.1	0.04	0.9	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
182-O3	Other -Not Specified	0.03	0.01	0.09	0.08	0.02	0.2	--	0.2	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.003	0.08	0.3	0.1	0.1	0.04	0.8	0.6	0.7	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
184-H1	House	0.05	0.003	0.05	0.06	0.02	0.1	--	0.2	0.02	0.006	0.0004	0.006	0.007	0.003	0.01	--	0.02	0.002	0.1	0.3	0.1	0.08	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
185-A1	Agriculture	0.02	0.009	0.08	0.08	0.01	0.08	--	0.1	0.008	0.003	0.001	0.009	0.009	0.002	0.009	--	0.02	0.0009	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
185G	Garden	0.05	0.008	0.1	0.1	0.007	0.1	--	0.2	0.004	0.006	0.0009	0.02	0.01	0.0008	0.02	--	0.02	0.0005	0.1	0.3	0.2	0.1	0.03	0.8	0.6	0.7	0.1	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
185-H1	House	0.02	0.008	0.07	0.09	0.01	0.09	--	0.1	0.008	0.003	0.0009	0.009	0.01	0.001	0.01	--	0.02	0.0009	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
186-O1	Other -Not Specified	0.05	0.004	0.06	0.1	0.03	0.07	--	0.2	0.03	0.006	0.0005	0.007	0.02	0.004	0.009	--	0.02	0.003	0.1	0.3	0.1	0.2	0.06	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
187-H1	House	0.02	0.004	0.07	0.08	0.02	0.1	--	0.1	0.01	0.002	0.0005	0.008	0.009	0.002	0.01	--	0.02	0.002	0.07	0.3	0.1	0.09	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
188-A1	Agriculture	0.02	0.008	0.09	0.1	0.01	0.2	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.001	0.07	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
188-G1	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.01	0.003	0.001	0.01	0.01	0.002	0.02	--	0.01	0.002	0.08	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
188-G2	Garden	0.03	0.01	0.1	0.1	0.02	0.2	--	0.1	0.02	0.004	0.001	0.01	0.01	0.002	0.02	--	0.02	0.002	0.08	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
188-G3	Garden	0.02	0.006	0.09	0.09	0.01	0.2	--	0.1	0.008	0.003	0.0007	0.01	0.01	0.001	0.02	--	0.01	0.001	0.08	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
188-H1	House	0.01	0.01	0.08	0.09	0.007	0.1	--	0.1	0.005	0.002	0.001	0.01	0.01	0.0008	0.02	--	0.01	0.0006	0.06	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
188-P1	Play Area	0.02	0.005	0.07	0.08	0.008	0.1	--	0.09	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
189-G1	Garden	0.02	0.006	0.08	0.09	0.007	0.1	--	0.1	0.004	0.002	0.0007	0.009	0.01	0.0009	0.01	--	0.01	0.0005	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
189-H1	House	0.02	0.005	0.07	0.08	0.008	0.09	--	0.1	0.007	0.002	0.0006	0.008	0.009	0.001	0.01	--	0.01	0.0008	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
189-H2	House	0.02	0.005	0.07	0.09	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.008	0.01	0.001	0.01	--	0.02	0.001	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
189-O1	Other -Not Specified	0.04	0.005	0.07	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.008	0.01	0.002	0.01	--	0.02	0.001	0.09	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
190-G1	Garden	0.009	0.004	0.07	0.08	0.004	0.08	--	0.1	0.002	0.001	0.0005	0.008	0.009	0.0005	0.01	--	0.01	0.0002	0.06	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
190-H1	House	0.01	0.004	0.06	0.07	0.005	0.1	--	0.07	0.005	0.001	0.0005	0.007	0.008	0.0006	0.01	--	0.008	0.0005	0.06	0.3	0.1	0.09	0.03	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
190-N1	Animal Activity Area	0.01	0.005	0.07	0.09	0.005	0.1	--	0.08	0.003	0.001	0.0005	0.008	0.01	0.0005	0.01	--	0.009	0.0004	0.06	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
190-N2	Animal Activity Area	0.01	0.004	0.06	0.08	0.004	0.1	--	0.07	0.003	0.001	0.0005	0.007	0.009	0.0005	0.01	--	0.008	0.0003	0.06	0.3	0.1	0.1	0.03	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
190-N3	Animal Activity Area	0.009	0.004	0.06	0.08	0.003	0.09	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0004	0.01	--	0.008	0.0003	0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
190-O1	Other -Not Specified	0.02	0.005	0.08	0.08	0.009	0.1	--	0.1	0.008	0.002	0.0006	0.009	0.01	0.001	0.01	--	0.01	0.0009	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
191-H1	House	0.03	0.007	0.08	0.09	0.03	0.1	--	0.1	0.02	0.004	0.0008	0.009	0.01	0.003	0.01	--	0.02	0.002	0.08	0.3	0.1	0.1	0.05	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
192-A1	Agriculture	0.03	0.01	0.08	0.09	0.02	0.09	--	0.1	0.008	0.003	0.001	0.01	0.01	0.002	0.01	--	0.02	0.0009	0.08	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
192-G1	Garden	0.04	0.01	0.1	0.1	0.02	0.09	--	0.2	0.007	0.004	0.002	0.01	0.01	0.003	0.01	--	0.02	0.0008	0.09	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
192-H1	House	0.02	0.008	0.07	0.08	0.02	0.08	--	0.1	0.007	0.003	0.001	0.008	0.01	0.002	0.009	--	0.01	0.0008	0.08	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
193-G1	Garden	0.01	0.003	0.05	0.06	0.003	0.06	--	0.06	0.002	0.001	0.0004	0.006	0.007	0.0003	0.007	--	0.007	0.0002	0.06	0.3	0.09	0.08	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
193-H1	House	0.01	0.004	0.06	0.07	0.003	0.07	--	0.07	0.002	0.001	0.0005	0.007	0.008	0.0004	0.008	--	0.008	0.0003	0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
194-H1	House	0.008	0.004	0.05	0.07	0.003	0.07	--	0.07	0.003	0.0009	0.0004	0.006	0.008	0.0004	0.008	--	0.009	0.0003	0.06	0.3	0.1	0.08	0.02	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
194-N1	Animal Activity Area	0.01	0.005	0.06	0.07	0.006	0.09	--	0.09	0.004	0.002	0.0005	0.007	0.009	0.0007	0.01	--	0.01	0.0005	0.06	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
195-G1	Garden	0.02	0.004	0.05	0.07	0.01	0.1	--	0.1	0.007	0.003	0.0004	0.006	0.008	0.002	0.01	--	0.01	0.0008	0.07	0.3	0.1	0.08	0.04	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
195-G2	Garden	0.03	0.004	0.06	0.08	0.03	0.2	--	0.1	0.02	0.004	0.0005	0.007	0.009	0.003	0.02	--	0.02	0.002	0.09	0.3	0.1	0.1	0.05	0.8	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
195-O1	Other -Not Specified	0.03	0.003	0.04	0.06	0.03	0.1	--	0.1	0.02	0.003	0.0003	0.005	0.007	0.003	0.01	--	0.01	0.002	0.08	0.3	0.09	0.08	0.05	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
196-A1	Agriculture	0.01	0.005	0.07	0.08	0.008	0.09	--	0.1	0.006	0.002	0.0006	0.008	0.01	0.0009	0.01	--	0.01	0.0007	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
196-A2	Agriculture	0.02	0.006	0.08	0.08	0.01	0.1	--	0.1	0.01	0.002	0.0007	0.009	0.009	0.001	0.01	--	0.01	0.001	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
196-G1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.007	0.002	0.0005	0.008	0.009	0.001	0.01	--	0.02	0.0008	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
196-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.09	--	0.09	0.008	0.002	0.0004	0.007	0.008	0.001	0.01	--	0.01	0.0009	0.07	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
197-H1	House	0.02	0.007	0.1	0.1	0.01	0.09	--	0.1	0.01	0.003	0.0009	0.01	0.01	0.002	0.01	--	0.02	0.001	0.07	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
198-G1	Garden	0.03	0.005	0.07	0.08	0.01	0.2	--	0.1	0.008	0.004	0.0006	0.008	0.009	0.001	0.02	--	0.01	0.001	0.08	0.3	0.1	0.09	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
198-H1	House	0.03	0.008	0.1	0.1	0.02	0.2	--	0.2	0.01	0.004	0.0009	0.01	0.01	0.002	0.02	--	0.02	0.002	0.08	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
199-G1	Garden	0.01	0.006	0.09	0.1	0.004	0.1	--	0.1	0.002	0.001	0.0007	0.01	0.01	0.0004	0.01	--	0.01	0.0002	0.06	0.3	0.1	0.1	0.02	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
199-O1	Other -Not Specified	0.01	0.006	0.08	0.1	0.005	0.09	--	0.09	0.004	0.001	0.0006	0.009	0.01	0.0005	0.01	--	0.01	0.0004	0.06	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
200-G1	Garden	0.04	0.007	0.1	0.1	0.007	0.2	--	0.1	0.005	0.004	0.0008	0.01	0.01	0.0008	0.03	--	0.01	0.0006	0.09	0.3	0.2	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
200-H1	House	0.03	0.006	0.1	0.1	0.006	0.2	--	0.1	0.004	0.004	0.0007	0.01	0.01	0.0007	0.02	--	0.01	0.0004	0.08	0.3	0.2	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
200-O1	Other -Not Specified	0.04	0.01	0.1	0.1	0.007	0.2	--	0.1	0.004	0.005	0.001	0.02	0.02	0.0008	0.02	--	0.02	0.0004	0.09	0.3	0.2	0.2	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1

Table 5-32. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Current Resident who Consumes Whitefish

		Total HI Across COPCs by Pathway																		Total HI Across Pathways															
		Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		By Target Organ System															
Target Organ System:		*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
		Child									Adult									Child									Adult							
DU	DU Type																																		
201G[b]	Garden	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.07	0.3	0.2	0.09	0.03	0.8	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
201-O1	Other -Not Specified	0.07	0.006	0.09	0.1	0.04	0.1	--	0.2	0.02	0.008	0.0007	0.01	0.01	0.005	0.01	--	0.02	0.003	0.1	0.3	0.1	0.1	0.06	0.7	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
202-H1	House	0.03	0.004	0.06	0.07	0.01	0.06	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.007	--	0.01	0.001	0.08	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
202-N1	Animal Activity Area	0.02	0.004	0.06	0.07	0.007	0.06	--	0.08	0.005	0.002	0.0005	0.007	0.008	0.0009	0.007	--	0.01	0.0006	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
202-O1	Other -Not Specified	0.02	0.005	0.07	0.08	0.007	0.07	--	0.1	0.01	0.003	0.0005	0.008	0.01	0.0008	0.009	--	0.01	0.001	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
203-H1[b]	House	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
203-O1[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
203-O2	Other -Not Specified	0.1	0.004	0.07	0.09	0.07	0.2	--	0.3	0.03	0.02	0.0004	0.008	0.01	0.008	0.02	--	0.04	0.004	0.2	0.3	0.1	0.1	0.09	0.8	0.6	0.8	0.2	0.04	0.1	0.02	0.02	0.02	0.4	0.2	0.2	0.1
203-O3[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
203-O4[b]	Other -Not Specified	0.01	0.006	0.06	0.08	0.003	0.07	--	0.04	0.0009	0.001	0.0007	0.007	0.009	0.0003	0.008	--	0.005	0.0001	0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
205-O1	Other -Not Specified	0.1	0.005	0.07	0.08	0.04	0.06	--	0.3	0.02	0.01	0.0006	0.008	0.01	0.004	0.007	--	0.04	0.003	0.1	0.3	0.1	0.1	0.06	0.7	0.6	0.8	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
206-A1	Agriculture	0.03	0.02	0.1	0.1	0.01	0.1	--	0.1	0.01	0.004	0.002	0.01	0.01	0.002	0.02	--	0.02	0.002	0.08	0.3	0.2	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
206-G1	Garden	0.02	0.007	0.07	0.08	0.007	0.1	--	0.09	0.006	0.002	0.0008	0.009	0.009	0.0008	0.01	--	0.01	0.0007	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
206-H1	House	0.009	0.005	0.06	0.08	0.003	0.08	--	0.07	0.002	0.001	0.0005	0.007	0.009	0.0003	0.009	--	0.008	0.0003	0.06	0.3	0.1	0.09	0.02	0.7	0.6	0.5	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
206-H2	House	0.03	0.04	0.2	0.1	0.03	0.2	--	0.2	0.03	0.004	0.005	0.02	0.01	0.003	0.02	--	0.02	0.003	0.08	0.3	0.2	0.1	0.05	0.8	0.6	0.7	0.2	0.02	0.1	0.04	0.02	0.01	0.4	0.2	0.2	0.1
206-O1	Other -Not Specified	0.06	0.008	0.1	0.1	0.03	0.2	--	0.3	0.02	0.007	0.0009	0.01	0.01	0.004	0.02	--	0.03	0.002	0.1	0.3	0.2	0.1	0.06	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
207-O1	Other -Not Specified	0.02	0.003	0.05	0.06	0.01	0.09	--	0.1	0.01	0.002	0.0004	0.006	0.007	0.001	0.01	--	0.01	0.001	0.07	0.3	0.09	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
208AA	Animal Activity Area	0.04	0.005	0.07	0.07	0.02	0.09	--	0.1	0.01	0.005	0.0005	0.008	0.008	0.002	0.01	--	0.02	0.002	0.09	0.3	0.1	0.08	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
208BM	House	0.05	0.007	0.1	0.1	0.01	0.1	--	0.2	0.009	0.006	0.0008	0.01	0.01	0.001	0.02	--	0.02	0.001	0.1	0.3	0.2	0.1	0.03	0.7	0.6	0.6	0.1	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
208G	Garden	0.05	0.008	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.02	0.01	0.001	0.02	--	0.02	0.001	0.1	0.3	0.2	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
208-H1	House	0.07	0.004	0.07	0.07	0.03	0.2	--	0.2	0.02	0.009	0.0005	0.008	0.009	0.004	0.02	--	0.02	0.002	0.1	0.3	0.1	0.09	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
209A	Agriculture	0.04	0.006	0.1	0.09	0.01	0.1	--	0.1	0.01	0.005	0.0007	0.01	0.01	0.002	0.02	--	0.02	0.001	0.09	0.3	0.2	0.1	0.03	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
209-G1	Garden	0.05	0.004	0.07	0.08	0.02	0.2	--	0.2	0.02	0.006	0.0005	0.008	0.009	0.003	0.02	--	0.02	0.003	0.1	0.3	0.1	0.09	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
209-H1	House	0.09	0.005	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	0.0006	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.3	0.1	0.1	0.06	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
209-P1	Play Area	0.1	0.005	0.08	0.09	0.04	0.2	--	0.3	0.04	0.01	0.0006	0.01	0.01	0.005	0.02	--	0.03	0.005	0.2	0.3	0.1	0.1	0.06	0.8	0.6	0.8	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
210-H1	House	0.04	0.005	0.06	0.08	0.009	0.09	--	0.1	0.008	0.004	0.0005	0.007	0.009	0.001	0.01	--	0.01	0.001	0.09	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
210-O1	Other -Not Specified	0.04	0.004	0.05	0.07	0.01	0.09	--	0.1	0.01	0.004	0.0004	0.005	0.008	0.001	0.01	--	0.01	0.001	0.09	0.3	0.09	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
211-A1	Garden	0.02	0.004	0.07	0.08	0.01	0.1	--	0.1	0.008	0.003	0.0005	0.008	0.009	0.001	0.01	--	0.01	0.001	0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
211-G1	Garden	0.02	0.005	0.08	0.09	0.007	0.1	--	0.1	0.004	0.003	0.0006	0.009	0.01	0.0008	0.01	--	0.01	0.0005	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
211-G2	Garden	0.03	0.005	0.08	0.09	0.01	0.1	--	0.1	0.005	0.004	0.0006	0.01	0.01	0.001	0.02	--	0.01	0.0006	0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
211-H1	House	0.02	0.005	0.08	0.08	0.008	0.1	--	0.1	0.009	0.002	0.0006	0.009	0.009	0.0009	0.01	--	0.01	0.001	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
211-O1	Other -Not Specified	0.02	0.004	0.06	0.07	0.01	0.1	--	0.1	0.01	0.003	0.0004	0.007	0.008	0.001	0.01	--	0.02	0.002	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
212-H1	House	0.03	0.005	0.08	0.2	0.03	0.08	--	0.2	0.02	0.003	0.0006	0.009	0.02	0.004	0.009	--	0.02	0.003	0.08	0.3	0.1	0.2	0.05	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
212-H2	House	0.03	0.004	0.06	0.1	0.01	0.06	--	0.1	0.01	0.004	0.0005	0.007	0.01	0.002	0.007	--	0.01	0.002	0.08	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
213-O1	Other -Not Specified	0.04	0.009	0.1	0.1	0.006	0.2	--	0.1	0.004	0.005	0.001	0.01	0.01	0.0007	0.02	--	0.01	0.0004	0.09	0.3	0.2	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
213-O2	Other -Not Specified	0.05	0.007	0.1	0.09	0.01	0.2	--	0.2	0.006	0.006	0.0009	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.1	0.3	0.2	0.1	0.03	0.8	0.6	0.7	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
213-O3	Other -Not Specified	0.04	0.007	0.1	0.1	0.008	0.1	--	0.1	0.004	0.004	0.0008	0.01	0.02	0.001	0.01	--	0.02	0.0005	0.09	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
21G	Garden	0.07	0.005	0.07	0.07	0.04	0.1	--	0.2	0.02	0.008	0.0006	0.008	0.009	0.005	0.02	--	0.02	0.003	0.1	0.3	0.1	0.09	0.06	0.8	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
226C	House	0.07	0.004	0.05	0.06	0.04	0.08	--	0.3	0.02	0.008	0.0004	0.006	0.007	0.005	0.009	--	0.03	0.002	0.1	0.3	0.1	0.08	0.06	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
230G	Garden	0.02	0.005	0.07	0.07	0.008	0.07	--	0.1	0.004	0.003	0.0006	0.008	0.009	0.001	0.008	--	0.01	0.0005	0.08	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
231Lower	Other -Not Specified	0.05	0.005	0.07	0.08	0.01	0.09	--	0.2	0.01	0.006	0.0006	0.008	0.009	0.001	0.01	--	0.02	0.001	0.1	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.03	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
238G	Garden	0.02	0.005	0.06	0.07	0.004	0.07	--	0.08	0.004	0.002	0.0006	0.007	0.008	0.0005	0.009	--	0.01	0.0005	0.07	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.008	0.4	0.2	0.2	0.1
238M	Other -Not Specified	0.02	0.005	0.07	0.07	0.003	0.07	--	0.09	0.003	0.002	0.0006	0.008	0.009	0.0004	0.008	--	0.01	0.0004	0.07	0.3	0.1	0.09	0.02	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.008	0.4	0.2	0.2	0.1
280yard	House	0.05	0.006	0.1	0.09	0.03	0.2	--	0.2	0.02	0.006	0.0007	0.01	0.01	0.003	0.02	--	0.02	0.003	0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
284M	House	0.03	0.005	0.08	0.08	0.01	0.1	--	0.1	0.01	0.003	0.0006	0.009	0.009	0.001	0.01	--	0.01	0.001	0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
285M	Other -Not Specified	0.04	0.005	0.09	0.08	0.01	0.1	--	0.1	0.01	0.005	0.0006	0.01	0.009	0.002	0.01	--	0.02	0.001	0.09	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
288G1	Garden	0.03	0.006	0.08	0.08	0.008	0.08	--	0.1	0.006	0.003	0.0007	0.009	0.009	0.0009	0.009	--	0.01	0.0007	0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
288G2	Garden	0.02	0.007	0.08	0.08	0.007	0.08	--	0.1	0.005	0.002	0.0008	0.009	0.01	0.0008	0.009	--	0.01	0.0005	0.07	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
289G3	Garden	0.02	0.005	0.07	0.07	0.007	0.07	--	0.1	0.006	0.003	0.0006	0.008	0.008	0.0008	0.008	--	0.01	0.0007	0.07	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
317M	Play Area	0.1	0.006	0.1	0.1	0.04	0.1	--	0.4	0.05	0.02	0.0008	0.01	0.01	0.005	0.01	--	0.04	0.005	0.2	0.3	0.2	0.1	0.06	0.7	0.6	0.8	0.2	0.04	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
319M[b]	House	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.07	0.3	0.2	0.09	0.03	0.8	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
320new	Other -Not Specified	0.09	0.007	0.1	0.1	0.04	0.1	--	0.3	0.03	0.01	0.0008	0.01	0.01	0.004	0.01	--	0.03	0.003	0.1	0.3	0.2	0.1	0.06	0.7	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
35PA[b]	Play Area	0.02	0.007	0.1	0.08	0.006	0.1	--	0.07	0.002	0.003	0.0008	0.01	0.009	0.0007	0.02	--	0.008	0.0003	0.07	0.3	0.2	0.09	0.03	0.8	0.6	0.5	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
59A	House	0.09	0.004	0.05	0.06	0.04	0.1	--	0.2	0.03	0.01	0.0004	0.006	0.007	0.004	0.01	--	0.02	0.003	0.1	0.3	0.1	0.07	0.06	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
62G	Garden	0.04	0.006	0.09	0.1	0.007	0.1	--	0.1	0.006	0.004	0.0006	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.09	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
72M	Agriculture	0.07	0.008	0.09	0.09	0.03	0.1	--	0.2	0.02	0.008	0.0009	0.01	0.01	0.003	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.05	0.7	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
72U	Other -Not Specified	0.05	0.01	0.1	0.1	0.01	0.2	--	0.2	0.009	0.006	0.001	0.01	0.01	0.002	0.02	--	0.02	0.001	0.1	0.3	0.2	0.1	0.03	0.8	0.6	0.6	0.1	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
94M	Agriculture	0.03	0.006	0.1	0.1	0.008	0.1	--	0.1	0.006	0.004	0.0007	0.01	0.01	0.0009	0.01	--	0.02	0.0007	0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
999G1	Garden	0.04	0.008	0.09	0.08	0.01	0.1	--	0.1	0.008	0.005	0.0009	0.01	0.01	0.001	0.02	--	0.01	0.0009	0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
999M1	House	0.03	0.007	0.1	0.1	0.008	0.1	--	0.1	0.007	0.004	0.0009	0.01	0.01	0.0009	0.02	--	0.01	0.0008	0.08	0.3	0.2	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
999M2	Garden	0.03	0.009	0.1	0.1	0.005	0.1	--	0.1	0.004	0.003	0.001	0.02	0.01	0.0006	0.02	--	0.01	0.0005	0.08	0.3	0.2	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
999M3	Other -Not Specified	0.05	0.01	0.2	0.2	0.02	0.3	--	0.2	0.02	0.006	0.002	0.02	0.02	0.002	0.03	--	0.03	0.002	0.1	0.3	0.2	0.2	0.04	0.9	0.6	0.7	0.2	0.02	0.1	0.04	0.03	0.01	0.4	0.2	0.2	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Non-cancer benchmark is HI>1.

Table 5-33. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Residential Soil/Dust[b] Paired with Beach DUs for Non-Lead COPCS for the RME: Resident with Beach

Pathway	Analyte Name	Soil/Dust[b] EPC (mg/kg)	Toxicity Values				Notes	Primary Target Organ System(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				TWA
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Incidental Ingestion	Aluminum	3000 - 18400	1	P	--	--		Nervous			3 8E-02 - 2 4E-01	0 04 - 0 2	3 6E-03 - 2 2E-02	0 004 - 0 02	3 3E-03 - 2 0E-02		1 0E-03 - 6 3E-03		
	Antimony	0 398 - 4 64	0 0004	I	--	--		Hematologic			5 1E-06 - 5 9E-05	0 01 - 0 1	4 8E-07 - 5 6E-06	0 001 - 0 01	4 4E-07 - 5 1E-06		1 4E-07 - 1 6E-06		
	RBA adjusted Arsenic	0 54 - 4 77	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			6 9E-06 - 6 1E-05	0 02 - 0 2	6 5E-07 - 5 7E-06	0 002 - 0 02	5 9E-07 - 5 2E-06	9E-07 - 8E-06	1 8E-07 - 1 6E-06	3E-07 - 2E-06	1E-06 - 1E-05
	Cadmium	0 348 - 8 92	0 001	I	--	--		Urinary			4 4E-06 - 1 1E-04	0 004 - 0 1	4 2E-07 - 1 1E-05	0 0004 - 0 01	3 8E-07 - 9 8E-06		1 2E-07 - 3 1E-06		
	Chromium	10 - 45 4	0 003	I	--	--	(a)	None			1 3E-04 - 5 8E-04	0 04 - 0 2	1 2E-05 - 5 4E-05	0 004 - 0 02	1 1E-05 - 5 0E-05		3 4E-06 - 1 6E-05		
	Cobalt	3 63 - 12 1	0 0003	P	--	--		Endocrine			4 6E-05 - 1 6E-04	0 2 - 0 5	4 4E-06 - 1 5E-05	0 01 - 0 05	4 0E-06 - 1 3E-05		1 2E-06 - 4 2E-06		
	Iron	10900 - 30000	0 7	P	--	--		Gastrointestinal			1 4E-01 - 3 8E-01	0 2 - 0 5	1 3E-02 - 3 6E-02	0 02 - 0 05	1 2E-02 - 3 3E-02		3 7E-03 - 1 0E-02		
	Manganese	199 - 643	0 024	S	--	--		Nervous			2 5E-03 - 8 2E-03	0 1 - 0 3	2 4E-04 - 7 7E-04	0 01 - 0 03	2 2E-04 - 7 0E-04		6 8E-05 - 2 2E-04		
	Nickel	9 24 - 36 3	0 011	C	--	--		Developmental			1 2E-04 - 4 6E-04	0 01 - 0 04	1 1E-05 - 4 3E-05	0 001 - 0 004	1 0E-05 - 4 0E-05		3 2E-06 - 1 2E-05		
	Thallium	0 0598 - 0 454	0 00001	X	--	--		Skin, Hair & Nails			7 7E-07 - 5 8E-06	0 08 - 0 6	7 2E-08 - 5 4E-07	0 007 - 0 05	6 6E-08 - 5 0E-07		2 0E-08 - 1 6E-07		
	Vanadium	15 9 - 54 8	0 00504	S	--	--		Skin, Hair & Nails			2 0E-04 - 7 0E-04	0 04 - 0 1	1 9E-05 - 6 6E-05	0 004 - 0 01	1 7E-05 - 6 0E-05		5 4E-06 - 1 9E-05		
	Ingestion Total											**1 - 2**		**0.1 - 0.2**		**9E-07 - 8E-06**		**3E-07 - 2E-06**	**1E-06 - 1E-05**
Dermal	Aluminum	3590 - 22000	1	P	--	--		Nervous	--	1									
	Antimony	0 477 - 5 56	0 0004	I	--	--		Hematologic	--	0 15									
	Arsenic	3 95 - 20 8	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 03	1	3 6E-06 - 1 9E-05	0 01 - 0 06	6 0E-07 - 3 2E-06	0 002 - 0 01	3 1E-07 - 1 6E-06	5E-07 - 2E-06	1 7E-07 - 9 0E-07	3E-07 - 1E-06	7E-07 - 4E-06
	Cadmium	0 417 - 10 7	0 001	I	--	--		Urinary	0 001	0 025	1 3E-08 - 3 2E-07	0 0005 - 0 01	2 1E-09 - 5 4E-08	0 00008 - 0 002	1 1E-09 - 2 8E-08		6 0E-10 - 1 5E-08		
	Chromium	12 - 54 4	0 003	I	--	--	(a)	None	--	0 025									
	Cobalt	4 35 - 14 5	0 0003	P	--	--		Endocrine	--	1									
	Iron	13000 - 35900	0 7	P	--	--		Gastrointestinal	--	1									
	Manganese	238 - 770	0 024	S	--	--		Nervous	--	0 04									
	Nickel	11 1 - 43 4	0 011	C	--	--		Developmental	--	0 04									
	Thallium	0 0717 - 0 544	0 00001	X	--	--		Skin, Hair & Nails	--	1									
	Vanadium	19 - 65 6	0 00504	S	--	--		Skin, Hair & Nails	--	0 026									
	Dermal Total											**0.01 - 0.08**		**0.002 - 0.01**		**5E-07 - 2E-06**		**3E-07 - 1E-06**	**7E-07 - 4E-06**
	Ingestion and Dermal Total											**1 - 2**		**0.1 - 0.2**		**1E-06 - 1E-05**		**5E-07 - 4E-06**	**2E-06 - 1E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI).

(b) Dust only evaluated in the Ingestion pathway

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0 2 - 0 4	0 02 - 0 04
Developmental HI	0 01 - 0 04	0 001 - 0 004
Endocrine HI	0 2 - 0 5	0 01 - 0 05
Gastrointestinal HI	0 2 - 0 5	0 02 - 0 05
Hematologic HI	0 01 - 0 1	0 001 - 0 01
Nervous HI	0 1 - 0 3	0 01 - 0 03
Skin, Hair & Nails HI	0 2 - 0 9	0 02 - 0 09
Urinary HI	0 005- 0 1	0 0005 - 0 01

Table 5-34. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Residential Soil/Dust[b] Paired with Beach DUs for Non-Lead COPCS for the CTE: Resident with Beach

Pathway	Analyte Name	Soil/Dust[b] EPC (mg/kg)	Toxicity Values				Notes	Primary Target Organ System(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				TWA
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Incidental Ingestion	Aluminum	3000 - 18400	1	P	--	--		Nervous			1 1E-02 - 6 9E-02	0 01 - 0 07	1 3E-03 - 8 1E-03	0 001 - 0 008	3 2E-04 - 2 0E-03		1 5E-04 - 9 2E-04		
	Antimony	0 398 - 4 64	0 0004	I	--	--		Hematologic			1 5E-06 - 1 7E-05	0 004 - 0 04	1 7E-07 - 2 0E-06	0 0004 - 0 005	4 3E-08 - 5 0E-07		2 0E-08 - 2 3E-07		
	RBA adjusted Arsenic	0 54 - 4 77	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			2 0E-06 - 1 8E-05	0 007 - 0 06	2 4E-07 - 2 1E-06	0 0008 - 0 007	5 8E-08 - 5 1E-07	9E-08 - 8E-07	2 7E-08 - 2 4E-07	4E-08 - 4E-07	1E-07 - 1E-06
	Cadmium	0 348 - 8 92	0 001	I	--	--		Urinary			1 3E-06 - 3 3E-05	0 001 - 0 03	1 5E-07 - 3 9E-06	0 0002 - 0 004	3 7E-08 - 9 5E-07		1 7E-08 - 4 5E-07		
	Chromium	10 - 45 4	0 003	I	--	--	(a)	None			3 7E-05 - 1 7E-04	0 01 - 0 06	4 4E-06 - 2 0E-05	0 001 - 0 007	1 1E-06 - 4 9E-06		5 0E-07 - 2 3E-06		
	Cobalt	3 63 - 12 1	0 0003	P	--	--		Endocrine			1 4E-05 - 4 5E-05	0 05 - 0 2	1 6E-06 - 5 3E-06	0 005 - 0 02	3 9E-07 - 1 3E-06		1 8E-07 - 6 1E-07		
	Iron	10900 - 30000	0 7	P	--	--		Gastrointestinal			4 1E-02 - 1 1E-01	0 06 - 0 2	4 8E-03 - 1 3E-02	0 007 - 0 02	1 2E-03 - 3 2E-03		5 4E-04 - 1 5E-03		
	Manganese	199 - 643	0 024	S	--	--		Nervous			7 4E-04 - 2 4E-03	0 03 - 0 1	8 7E-05 - 2 8E-04	0 004 - 0 01	2 1E-05 - 6 9E-05		1 0E-05 - 3 2E-05		
	Nickel	9 24 - 36 3	0 011	C	--	--		Developmental			3 5E-05 - 1 4E-04	0 003 - 0 01	4 1E-06 - 1 6E-05	0 0004 - 0 001	9 9E-07 - 3 9E-06		4 6E-07 - 1 8E-06		
	Thallium	0 0598 - 0 454	0 00001	X	--	--		Skin, Hair & Nails			2 2E-07 - 1 7E-06	0 02 - 0 2	2 6E-08 - 2 0E-07	0 003 - 0 02	6 4E-09 - 4 9E-08		3 0E-09 - 2 3E-08		
	Vanadium	15 9 - 54 8	0 00504	S	--	--		Skin, Hair & Nails			5 9E-05 - 2 1E-04	0 01 - 0 04	7 0E-06 - 2 4E-05	0 001 - 0 005	1 7E-06 - 5 9E-06		7 9E-07 - 2 7E-06		
								Ingestion Total				**0.3 - 0.7**		**0.04 - 0.08**		**9E-08 - 8E-07**		**4E-08 - 4E-07**	**1E-07 - 1E-06**
Dermal	Aluminum	3590 - 22000	1	P	--	--		Nervous	--	1									
	Antimony	0 477 - 5 56	0 0004	I	--	--		Hematologic	--	0 15									
	Arsenic	3 95 - 20 8	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 03	1	5 3E-07 - 2 8E-06	0 002 - 0 009	6 3E-08 - 3 3E-07	0 0002 - 0 001	1 5E-08 - 7 9E-08	2E-08 - 1E-07	7 2E-09 - 3 8E-08	1E-08 - 6E-08	3E-08 - 2E-07
	Cadmium	0 417 - 10 7	0 001	I	--	--		Urinary	0 001	0 025	1 8E-09 - 4 7E-08	0 00007 - 0 002	2 2E-10 - 5 6E-09	0 000009 - 0 0002	5 3E-11 - 1 4E-09		2 5E-11 - 6 5E-10		
	Chromium	12 - 54 4	0 003	I	--	--	(a)	None	--	0 025									
	Cobalt	4 35 - 14 5	0 0003	P	--	--		Endocrine	--	1									
	Iron	13000 - 35900	0 7	P	--	--		Gastrointestinal	--	1									
	Manganese	238 - 770	0 024	S	--	--		Nervous	--	0 04									
	Nickel	11 1 - 43 4	0 011	C	--	--		Developmental	--	0 04									
	Thallium	0 0717 - 0 544	0 00001	X	--	--		Skin, Hair & Nails	--	1									
	Vanadium	19 - 65 6	0 00504	S	--	--		Skin, Hair & Nails	--	0 026									
										Dermal Total		**0.002 - 0.01**		**0.0002 - 0.001**		**2E-08 - 1E-07**		**1E-08 - 6E-08**	**3E-08 - 2E-07**
										Ingestion and Dermal Total		**0.3 - 0.7**		**0.04 - 0.08**		**1E-07 - 9E-07**		**5E-08 - 4E-07**	**2E-07 - 1E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI).

(b) Dust only evaluated in the Ingestion pathway

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0 04 - 0 1	0 005 - 0 01
Developmental HI	0 003 - 0 01	0 0004 - 0 001
Endocrine HI	0 05 - 0 2	0 005 - 0 02
Gastrointestinal HI	0 06 - 0 2	0 007 - 0 02
Hematologic HI	0 004 - 0 04	0 0004 - 0 005
Nervous HI	0 03 - 0 1	0 004 - 0 01
Skin, Hair & Nails HI	0 05 - 0 3	0 006 - 0 03
Urinary HI	0 001 - 0 04	0 0002 - 0 004

Table 5-35. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Upland Soil/Dust[b] for Non-Lead COPCS for the RME: Future Resident

Pathway	Analyte Name	Soil/Dust[b] EPC (mg/kg)	Toxicity Values				Notes	Primary Target Organ System(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				TWA
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Incidental Ingestion	Aluminum	7190 - 26000	1	P	--	--		Nervous			9 2E-02 - 3 3E-01	0 09 - 0 3	8 6E-03 - 3 1E-02	0 009 - 0 03	7 9E-03 - 2 8E-02		2 5E-03 - 8 9E-03		
	Antimony	0 411 - 12 2	0 0004	I	--	--		Hematologic			5 3E-06 - 1 6E-04	0 01 - 0 4	4 9E-07 - 1 5E-05	0 001 - 0 04	4 5E-07 - 1 3E-05		1 4E-07 - 4 2E-06		
	RBA adjusted Arsenic	1 57 - 13 3	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			2 0E-05 - 1 7E-04	0 07 - 0 6	1 9E-06 - 1 6E-05	0 006 - 0 05	1 7E-06 - 1 5E-05	3E-06 - 2E-05	5 4E-07 - 4 6E-06	8E-07 - 7E-06	3E-06 - 3E-05
	Cadmium	0 421 - 16 3	0 001	I	--	--		Urinary			5 4E-06 - 2 1E-04	0 005 - 0 2	5 0E-07 - 2 0E-05	0 0005 - 0 02	4 6E-07 - 1 8E-05		1 4E-07 - 5 6E-06		
	Chromium	8 71 - 65 6	0 003	I	--	--	(a)	None			1 1E-04 - 8 4E-04	0 04 - 0 3	1 0E-05 - 7 9E-05	0 003 - 0 03	9 5E-06 - 7 2E-05		3 0E-06 - 2 2E-05		
	Cobalt	3 67 - 18	0 0003	P	--	--		Endocrine			4 7E-05 - 2 3E-04	0 2 - 0 8	4 4E-06 - 2 2E-05	0 01 - 0 07	4 0E-06 - 2 0E-05		1 3E-06 - 6 2E-06		
	Iron	10200 - 27300	0 7	P	--	--		Gastrointestinal			1 3E-01 - 3 5E-01	0 2 - 0 5	1 2E-02 - 3 3E-02	0 02 - 0 05	1 1E-02 - 3 0E-02		3 5E-03 - 9 3E-03		
	Manganese	239 - 1650	0 024	S	--	--		Nervous			3 1E-03 - 2 1E-02	0 1 - 0 9	2 9E-04 - 2 0E-03	0 01 - 0 08	2 6E-04 - 1 8E-03		8 2E-05 - 5 7E-04		
	Thallium	0 119 - 0 741	0 00001	X	--	--		Skin, Hair & Nails			1 5E-06 - 9 5E-06	0 2 - 0 9	1 4E-07 - 8 9E-07	0 01 - 0 09	1 3E-07 - 8 1E-07		4 1E-08 - 2 5E-07		
	Vanadium	16 1 - 56 7	0 00504	S	--	--		Skin, Hair & Nails			2 1E-04 - 7 2E-04	0 04 - 0 1	1 9E-05 - 6 8E-05	0 004 - 0 01	1 8E-05 - 6 2E-05		5 5E-06 - 1 9E-05		
								Ingestion Total				**1 - 3**		**0.1 - 0.3**		**3E-06 - 2E-05**		**8E-07 - 7E-06**	**3E-06 - 3E-05**
Dermal	Aluminum	8620 - 31100	1	P	--	--		Nervous	--	1									
	Antimony	0 492 - 14 6	0 0004	I	--	--		Hematologic	--	0 15									
	Arsenic	6 7 - 67 1	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 03	1	6 1E-06 - 6 1E-05	0 02 - 0 2	1 0E-06 - 1 0E-05	0 003 - 0 03	5 2E-07 - 5 2E-06	8E-07 - 8E-06	2 9E-07 - 2 9E-06	4E-07 - 4E-06	1E-06 - 1E-05
	Cadmium	0 504 - 19 6	0 001	I	--	--		Urinary	0 001	0 025	1 5E-08 - 6 0E-07	0 0006 - 0 02	2 6E-09 - 9 9E-08	0 0001 - 0 004	1 3E-09 - 5 1E-08		7 3E-10 - 2 8E-08		
	Chromium	10 4 - 78 6	0 003	I	--	--	(a)	None	--	0 025									
	Cobalt	4 39 - 21 6	0 0003	P	--	--		Endocrine	--	1									
	Iron	12200 - 32600	0 7	P	--	--		Gastrointestinal	--	1									
	Manganese	287 - 1980	0 024	S	--	--		Nervous	--	0 04									
	Thallium	0 143 - 0 888	0 00001	X	--	--		Skin, Hair & Nails	--	1									
	Vanadium	19 2 - 67 9	0 00504	S	--	--		Skin, Hair & Nails	--	0 026									
								Dermal Total				**0.02 - 0.2**		**0.003 - 0.04**		**8E-07 - 8E-06**		**4E-07 - 4E-06**	**1E-06 - 1E-05**
								Ingestion and Dermal Total				**1 - 4**		**0.1 - 0.4**		**3E-06 - 3E-05**		**1E-06 - 1E-05**	**5E-06 - 4E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI).

(b) Dust only evaluated in the Ingestion pathway

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0 09 - 0 8	0 01 - 0 09
Endocrine HI	0 2 - 0 8	0 01 - 0 07
Gastrointestinal HI	0 2 - 0 5	0 02 - 0 05
Hematologic HI	0 01 - 0 4	0 001 - 0 04
Nervous HI	0 2 - 1	0 02 - 0 1
Skin, Hair & Nails HI	0 3 - 2	0 03 - 0 2
Urinary HI	0 006 - 0 2	0 0006 - 0 02

Table 5-36. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Upland Soil/Dust[b] for Non-Lead COPCS for the CTE: Future Resident

Pathway	Analyte Name	Soil/Dust[b] EPC (mg/kg)	Toxicity Values				Notes	Primary Target Organ System(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				TWA
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Incidental Ingestion	Aluminum	7190 - 26000	1	P	--	--		Nervous			2 7E-02 - 9 7E-02	0 03 - 0 1	3 2E-03 - 1 1E-02	0 003 - 0 01	7 7E-04 - 2 8E-03		3 6E-04 - 1 3E-03		
	Antimony	0 411 - 12 2	0 0004	I	--	--		Hematologic			1 5E-06 - 4 6E-05	0 004 - 0 1	1 8E-07 - 5 3E-06	0 0005 - 0 01	4 4E-08 - 1 3E-06		2 1E-08 - 6 1E-07		
	RBA adjusted Arsenic	1 57 - 13 3	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			5 9E-06 - 5 0E-05	0 02 - 0 2	6 9E-07 - 5 8E-06	0 002 - 0 02	1 7E-07 - 1 4E-06	3E-07 - 2E-06	7 9E-08 - 6 7E-07	1E-07 - 1E-06	4E-07 - 3E-06
	Cadmium	0 421 - 16 3	0 001	I	--	--		Urinary			1 6E-06 - 6 1E-05	0 002 - 0 06	1 8E-07 - 7 1E-06	0 0002 - 0 007	4 5E-08 - 1 7E-06		2 1E-08 - 8 2E-07		
	Chromium	8 71 - 65 6	0 003	I	--	--	(a)	None			3 3E-05 - 2 5E-04	0 01 - 0 08	3 8E-06 - 2 9E-05	0 001 - 0 01	9 3E-07 - 7 0E-06		4 4E-07 - 3 3E-06		
	Cobalt	3 67 - 18	0 0003	P	--	--		Endocrine			1 4E-05 - 6 7E-05	0 05 - 0 2	1 6E-06 - 7 9E-06	0 005 - 0 03	3 9E-07 - 1 9E-06		1 8E-07 - 9 0E-07		
	Iron	10200 - 27300	0 7	P	--	--		Gastrointestinal			3 8E-02 - 1 0E-01	0 05 - 0 1	4 5E-03 - 1 2E-02	0 006 - 0 02	1 1E-03 - 2 9E-03		5 1E-04 - 1 4E-03		
	Manganese	239 - 1650	0 024	S	--	--		Nervous			8 9E-04 - 6 2E-03	0 04 - 0 3	1 0E-04 - 7 2E-04	0 004 - 0 03	2 6E-05 - 1 8E-04		1 2E-05 - 8 3E-05		
	Thallium	0 119 - 0 741	0 00001	X	--	--		Skin, Hair & Nails			4 5E-07 - 2 8E-06	0 04 - 0 3	5 2E-08 - 3 2E-07	0 005 - 0 03	1 3E-08 - 7 9E-08		6 0E-09 - 3 7E-08		
	Vanadium	16 1 - 56 7	0 00504	S	--	--		Skin, Hair & Nails			6 0E-05 - 2 1E-04	0 01 - 0 04	7 1E-06 - 2 5E-05	0 001 - 0 005	1 7E-06 - 6 1E-06		8 1E-07 - 2 8E-06		
								Ingestion Total				**0.4 - 1**		**0.04 - 0.1**		**3E-07 - 2E-06**		**1E-07 - 1E-06**	**4E-07 - 3E-06**
Dermal	Aluminum	8620 - 31100	1	P	--	--		Nervous	--	1									
	Antimony	0 492 - 14 6	0 0004	I	--	--		Hematologic	--	0 15									
	Arsenic	6 7 - 67 1	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 03	1	8 9E-07 - 8 9E-06	0 003 - 0 03	1 1E-07 - 1 1E-06	0 0004 - 0 004	2 6E-08 - 2 6E-07	4E-08 - 4E-07	1 2E-08 - 1 2E-07	2E-08 - 2E-07	6E-08 - 6E-07
	Cadmium	0 504 - 19 6	0 001	I	--	--		Urinary	0 001	0 025	2 2E-09 - 8 7E-08	0 00009 - 0 003	2 7E-10 - 1 0E-08	0 00001 - 0 0004	6 4E-11 - 2 5E-09		3 1E-11 - 1 2E-09		
	Chromium	10 4 - 78 6	0 003	I	--	--	(a)	None	--	0 025									
	Cobalt	4 39 - 21 6	0 0003	P	--	--		Endocrine	--	1									
	Iron	12200 - 32600	0 7	P	--	--		Gastrointestinal	--	1									
	Manganese	287 - 1980	0 024	S	--	--		Nervous	--	0 04									
	Thallium	0 143 - 0 888	0 00001	X	--	--		Skin, Hair & Nails	--	1									
	Vanadium	19 2 - 67 9	0 00504	S	--	--		Skin, Hair & Nails	--	0 026									
										Dermal Total		**0.003 - 0.03**		**0.0004 - 0.004**		**4E-08 - 4E-07**		**2E-08 - 2E-07**	**6E-08 - 6E-07**
										Ingestion and Dermal Total		**0.4 - 1**		**0.04 - 0.1**		**3E-07 - 3E-06**		**1E-07 - 1E-06**	**4E-07 - 4E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI).

(b) Dust only evaluated in the Ingestion pathway

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0 02 - 0 2	0 003 - 0 02
Endocrine HI	0 05 - 0 2	0 005 - 0 03
Gastrointestinal HI	0 05 - 0 1	0 006 - 0 02
Hematologic HI	0 004 - 0 1	0 0005 - 0 01
Nervous HI	0 07 - 0 3	0 008 - 0 04
Skin, Hair & Nails HI	0 08 - 0 5	0 009 - 0 05
Urinary HI	0 002 - 0 06	0 0002 - 0 008

Table 5-37. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Burbot

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
Indoor Air	--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																
Outdoor Air	--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02	**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**									**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Burbot)	0.02	2	0.02	0.003	0.1	2	1	0.8	--	0.009	0.9	0.009	0.001	0.05	0.9	0.4	0.3	--																
Upland Soil/Dust[a]	**Number of ADAs that exceed benchmark[c] for Soil/Dust:**									**Number of ADAs that exceed benchmark[c] for Soil/Dust:**																										
ADA	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	142	0	0	0	142	0	55	0	0	0	0	0	0	0	0	0
ADA-001	0.2	--	0.4	0.3	0.07	0.5	--	0.8	0.09	0.03	--	0.04	0.03	0.007	0.05	--	0.08	0.009	0.2	2	0.4	0.3	0.2	3	1	2	0.3	0.03	0.9	0.05	0.03	0.06	1	0.4	0.4	0.2
ADA-002	0.2	--	0.3	0.4	0.06	0.4	--	0.6	0.04	0.02	--	0.03	0.03	0.006	0.04	--	0.06	0.004	0.2	2	0.3	0.4	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-004	0.2	--	0.2	0.3	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.03	0.007	0.05	--	0.06	0.007	0.3	2	0.3	0.3	0.2	3	1	1	0.3	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
ADA-005	0.3	--	0.3	0.4	0.08	0.4	--	0.8	0.04	0.03	--	0.03	0.03	0.008	0.04	--	0.08	0.004	0.3	2	0.4	0.4	0.2	3	1	2	0.2	0.04	0.9	0.04	0.04	0.06	1	0.4	0.4	0.2
ADA-006	0.3	--	0.3	0.3	0.09	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.008	0.3	2	0.3	0.3	0.2	3	1	1	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-008	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.03	0.03	0.01	0.04	--	0.08	0.007	0.3	2	0.3	0.3	0.2	3	1	2	0.3	0.04	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
ADA-010	0.5	--	0.4	0.4	0.1	1	--	1	0.1	0.05	--	0.04	0.03	0.01	0.1	--	0.1	0.01	0.5	2	0.4	0.4	0.3	4	1	2	0.3	0.06	0.9	0.05	0.04	0.06	1	0.4	0.4	0.2
ADA-015	0.2	--	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	--	0.02	0.02	0.004	0.04	--	0.05	0.004	0.2	2	0.2	0.2	0.2	3	1	1	0.2	0.03	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
ADA-016	0.2	--	0.2	0.2	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.02	0.007	0.04	--	0.06	0.007	0.3	2	0.2	0.2	0.2	3	1	1	0.3	0.03	0.9	0.03	0.02	0.06	1	0.4	0.3	0.2
ADA-017	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.02	0.03	0.01	0.04	--	0.08	0.008	0.3	2	0.2	0.3	0.2	3	1	2	0.3	0.04	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
ADA-018	0.2	--	0.2	0.3	0.2	0.4	--	0.8	0.09	0.02	--	0.02	0.02	0.01	0.04	--	0.08	0.009	0.2	2	0.2	0.3	0.3	3	1	2	0.3	0.03	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
ADA-019	0.2	--	0.4	0.4	0.04	0.5	--	0.6	0.04	0.03	--	0.04	0.04	0.004	0.05	--	0.06	0.004	0.3	2	0.4	0.4	0.2	3	1	1	0.2	0.04	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
ADA-020	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-021	0.4	--	0.8	0.5	0.05	0.6	--	0.7	0.04	0.05	--	0.07	0.05	0.005	0.05	--	0.07	0.004	0.4	2	0.8	0.5	0.2	3	1	1	0.2	0.05	0.9	0.08	0.05	0.05	1	0.4	0.4	0.2
ADA-023	0.3	--	0.3	0.3	0.07	0.4	--	0.8	0.09	0.03	--	0.03	0.03	0.007	0.03	--	0.08	0.009	0.3	2	0.4	0.3	0.2	3	1	2	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-024	0.4	--	0.2	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	0.5	2	0.2	0.3	0.3	3	1	2	0.3	0.06	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
ADA-025	0.3	--	0.2	0.2	0.05	0.5	--	0.6	0.09	0.03	--	0.02	0.02	0.005	0.05	--	0.06	0.009	0.3	2	0.2	0.2	0.2	3	1	1	0.3	0.04	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
ADA-026	0.2	--	0.2	0.3	0.05	0.4	--	0.5	0.07	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.007	0.2	2	0.3	0.3	0.2	3	1	1	0.3	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
ADA-028	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.03	--	0.02	0.02	0.006	0.04	--	0.06	0.005	0.3	2	0.2	0.2	0.2	3	1	1	0.2	0.04	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
ADA-033	0.2	--	0.2	0.3	0.02	0.7	--	0.6	0.05	0.02	--	0.02	0.02	0.002	0.06	--	0.06	0.005	0.2	2	0.2	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
ADA-034	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-035	0.2	--	0.2	0.3	0.04	0.6	--	0.6	0.06	0.03	--	0.02	0.03	0.004	0.06	--	0.06	0.006	0.3	2	0.2	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
ADA-039	0.1	--	0.2	0.3	0.02	0.5	--	0.4	0.05	0.01	--	0.02	0.02	0.002	0.05	--	0.04	0.005	0.1	2	0.3	0.3	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
ADA-042	0.1	--	0.2	0.3	0.04	0.4	--	0.4	0.02	0.02	--	0.02	0.03	0.004	0.04	--	0.04	0.002	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
ADA-043	0.2	--	0.6	0.5	0.08	0.7	--	0.6	0.08	0.02	--	0.05	0.04	0.007	0.07	--	0.06	0.008	0.2	2	0.6	0.5	0.2	3	1	1	0.3	0.03	0.9	0.06	0.05	0.06	1	0.4	0.3	0.2
ADA-044	0.2	--	0.5	0.4	0.04	0.8	--	0.8	0.2	0.03	--	0.05	0.04	0.004	0.07	--	0.08	0.02	0.3	2	0.5	0.4	0.2	3	1	2	0.4	0.04	0.9	0.06	0.04	0.05	1	0.4	0.4	0.2
ADA-045	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.1	0.01	0.5	2	0.3	0.3	0.2	3	1	2	0.3	0.06	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-046	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.02	--	0.02	0.02	0.005	0.04	--	0.06	0.005	0.2	2	0.2	0.2	0.2	3	1	1	0.2	0.03	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
ADA-047	0.3	--	0.3	0.3	0.1	0.6	--	0.9	0.09	0.03	--	0.03	0.03	0.009	0.06	--	0.09	0.009	0.3	2	0.4	0.3	0.2	3	1	2	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-048	0.2	--	0.4	0.4	0.05	0.7	--	0.5	0.06	0.02	--	0.04	0.04	0.005	0.07	--	0.05	0.006	0.2	2	0.4	0.4	0.2	3	1	1	0.3	0.03	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
ADA-049	0.2	--	0.3	0.3	0.02	0.7	--	0.6	0.06	0.02	--	0.03	0.03	0.002	0.07	--	0.06	0.006	0.2	2	0.3	0.3	0.2	3	1	1	0.3	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-050	0.4	--	0.5	0.4	0.1	0.6	--	1	0.1	0.04	--	0.05	0.04	0.01	0.06	--	0.1	0.01	0.4	2	0.6	0.4	0.2	3	1	2	0.3	0.05	0.9	0.06	0.04	0.06	1	0.4	0.4	0.2
ADA-051	0.1	--	0.3	0.3	0.03	0.6	--	0.5	0.1	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.01	0.2	2	0.4	0.3	0.2	3	1	1	0.3	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-052	0.3	--	0.4	0.3	0.1	0.6	--	0.9	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.09	0.01	0.3	2	0.4	0.3	0.2	3	1	2	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-053	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.002	0.07	--	0.05	0.002	0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-054	0.5	--	0.3	0.3	0.2	0.7	--	1	0.2	0.06	--	0.03	0.03	0.02	0.07	--	0.1	0.02	0.5	2	0.4	0.3	0.3	3	1	2	0.4	0.07	0.9	0.04	0.03	0.07	1	0.4	0.4	0.2
ADA-055	0.3	--	0.3	0.4	0.07	0.8	--	0.8	0.1	0.03	--	0.03	0.03	0.007	0.08	--	0.08	0.01	0.3	2	0.3	0.4	0.2	4	1	2	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-056	0.2	--	0.4	0.4	0.02	0.8	--	0.5	0.02	0.02	--	0.04	0.04	0.002	0.08	--	0.05	0.002	0.2	2	0.4	0.4	0.2	4	1	1	0.2	0.03	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
ADA-057	0.2	--	0.5	0.4	0.05	0.7	--	0.6	0.04	0.02	--	0.05	0.04	0.004	0.06	--	0.06	0.004	0.2	2	0.5	0.4	0.2	3	1	1	0.2	0.03	0.9	0.06	0.04	0.05	1	0.4	0.3	0.2
ADA-058	0.1	--	0.3	0.4	0.02	0.6	--	0.4	0.02	0.01	--	0.03	0.03	0.002	0.06	--	0.03	0.002	0.1	2	0.4	0.4	0.1	3	1	1	0.2	0.02	0.9	0.04	0.04	0.05	1	0.4	0.3	0.2
ADA-059	0.1	--	0.4	0.4	0.04	0.9	--	0.5	0.04	0.02	--	0.04	0.04	0.004	0.08	--	0.05	0.004	0.2	2	0.4	0.4	0.2	4	1	1	0.2	0.03	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
ADA-060	0.5	--	0.6	0.4	0.1	0.7	--	1	0.1	0.05	--	0.05	0.04	0.01	0.07	--	0.1	0.01	0.5	2	0.6	0.4	0.3	3	1	2	0.3	0.06	0.9	0.06	0.04	0.06	1	0.4	0.4	0.2
ADA-061	0.2	--	0.6	0.5	0.02	1	--	0.6	0.03	0.02	--	0.05	0.04	0.002	0.1	--	0.06	0.003	0.2	2	0.6	0.5	0.2	4	1	1	0.2	0.03	0.9	0.06	0.05	0.05	1	0.4	0.3	0.2
ADA-062	0.3	--	0.3	0.3	0.08	0.7	--	0.9	0.09	0.04	--	0.03	0.03	0.008	0.06	--	0.09	0.01	0.4	2	0.4	0.4	0.2	3	1	2	0.3	0.05	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-063	0.2	--	0.3	0.3	0.04	0.7	--	0.5	0.07	0.02	--	0.03	0.03	0.004	0.07	--	0.05	0.007	0.2	2	0.4	0.3	0.2	3	1	1	0.3	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-064	0.2	--	0.5	0.4	0.03	1	--	0.7	0.03	0.03	--	0.04	0.04	0.003	0.1	--	0.07	0.003	0.3	2	0.5	0.4	0.2	4	1	1	0.2	0.04	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
ADA-065	0.3	--	0.3	0.3	0.1	0.7	--	0.9	0.1	0.04	--	0.03	0.03	0.01	0.07	--	0.09	0.01	0.4	2	0.3	0.3	0.3	3	1	2	0.3	0.05	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-066	0.2	--	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.005	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
ADA-067	0.2	--	0.4	0.4	0.03	0.7	--	0.5	0.09	0.02	--	0.04	0.04	0.003	0.07	--	0.05	0.009	0.2	2	0.4	0.4	0.2	3	1	1	0.3	0.03	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
ADA-070	0.3	--	0.4	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.006	0.4	2	0.4	0.4	0.2	3	1	2	0.2	0.05	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-071	0.3	--	0.3	0.3	0.09	0.6	--	0.7	0.06	0.03	--	0.03	0.03	0.008	0.05	--	0.07	0.006	0.3	2	0.3	0.3	0.2	3	1	1	0.2	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-073	0.4	--	0.3	0.3	0.1	0.6	--	0.8	0.06	0.04	--	0.03	0.03	0.01	0.06	--	0.08	0.006	0.4	2	0.3	0.3	0.3	3	1	2	0.3	0.05	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-076	0.4	--	0.3	0.3	0.1	0.6	--	0.9	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.09	0.01	0.5	2	0.3	0.3	0.2	3	1	2	0.3	0.06	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-078	0.3	--	0.3	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.009	0.07	--	0.08	0.007	0.4	2	0.3	0.3	0.2	3	1	2	0.3	0.05	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-079	0.2	--	0.2	0.2	0.06	0.6	--	0.5	0.1	0.02	--	0.02	0.02	0.006	0.05	--	0.05	0.01	0.2	2	0.3	0.3	0.2	3	1	1	0.3	0.03	0.9	0.03	0.02	0.06	1	0.4	0.3	0.2
ADA-081	0.3	--	0.3	0.4	0.09	0.6	--	0.7	0.04	0.03	--	0.03	0.04	0.008	0.06	--	0.07	0.004	0.3	2	0.4	0.4	0.2	3	1	1	0.2	0.04	0.9	0.04	0.04	0.06	1	0.4	0.4	0.2
ADA-082	0.2	--	0.3	0.3	0.06	0.6	--	0.6	0.04	0.03	--	0.03	0.03	0.006	0.05	--	0.06	0.004	0.3	2	0.4	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
ADA-084	0.2	--	0.4	0.4	0.05	0.8	--	0.6	0.04	0.02	--	0.04	0.04	0.005	0.08	--	0.06	0.004	0.2	2	0.4	0.4	0.2	4	1	1	0.2	0.03	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2

Table 5-37. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Burbot

	Total HI Across COPCs by Pathway																	Total HI Across Pathways														
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System														
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-085	0.2	--	0.3	0.4	0.04	0.7	--	0.6	0.05	0.02	--	0.03	0.03	0.004	0.06	--	0.06	0.005	0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.03	0.9	0.04	0.04	0.05	1	0.4	0.3	0.2
ADA-088	0.3	--	0.5	0.4	0.09	1	--	0.9	0.09	0.04	--	0.05	0.04	0.009	0.1	--	0.09	0.009	0.4	2	0.6	0.4	0.2	4	1	2	0.3	0.05	0.9	0.06	0.04	0.06	1	0.4	0.4	0.2
ADA-089	0.4	--	0.5	0.4	0.09	1	--	0.9	0.08	0.05	--	0.04	0.04	0.009	0.1	--	0.09	0.008	0.5	2	0.5	0.4	0.2	4	1	2	0.3	0.06	0.9	0.05	0.04	0.06	1	0.4	0.4	0.2
ADA-090	0.2	--	0.4	0.4	0.08	0.9	--	0.7	0.07	0.02	--	0.03	0.03	0.007	0.08	--	0.07	0.007	0.2	2	0.4	0.4	0.2	4	1	1	0.3	0.03	0.9	0.04	0.03	0.06	1	0.4	0.3	0.2
ADA-091	0.3	--	0.4	0.3	0.08	0.7	--	0.8	0.09	0.04	--	0.04	0.03	0.007	0.07	--	0.08	0.009	0.4	2	0.4	0.3	0.2	3	1	2	0.3	0.05	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-092	0.3	--	0.3	0.3	0.05	0.8	--	0.8	0.08	0.04	--	0.03	0.03	0.005	0.08	--	0.08	0.008	0.4	2	0.4	0.4	0.2	4	1	2	0.3	0.05	0.9	0.04	0.03	0.05	1	0.4	0.4	0.2
ADA-093	0.3	--	0.3	0.3	0.04	0.9	--	0.7	0.04	0.03	--	0.03	0.03	0.004	0.09	--	0.07	0.004	0.3	2	0.3	0.3	0.2	4	1	1	0.2	0.04	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-094	0.2	--	0.3	0.4	0.03	0.6	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.03	0.9	0.04	0.04	0.05	1	0.4	0.3	0.2
ADA-095	0.3	--	0.5	0.4	0.05	0.9	--	0.7	0.03	0.03	--	0.04	0.04	0.005	0.08	--	0.07	0.003	0.3	2	0.5	0.4	0.2	4	1	1	0.2	0.04	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
ADA-096	0.3	--	0.3	0.3	0.08	0.8	--	0.7	0.08	0.03	--	0.03	0.03	0.008	0.08	--	0.07	0.008	0.3	2	0.3	0.3	0.2	4	1	1	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-097	0.4	--	0.4	0.4	0.1	0.9	--	1	0.1	0.05	--	0.04	0.03	0.01	0.09	--	0.1	0.01	0.4	2	0.4	0.4	0.3	4	1	2	0.3	0.06	0.9	0.05	0.03	0.06	1	0.4	0.4	0.2
ADA-099	0.4	--	0.4	0.4	0.07	1	--	0.9	0.06	0.04	--	0.04	0.04	0.007	0.09	--	0.09	0.006	0.4	2	0.5	0.4	0.2	4	1	2	0.3	0.05	0.9	0.05	0.04	0.06	1	0.4	0.4	0.2
ADA-101	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.04	0.03	--	0.03	0.03	0.009	0.05	--	0.07	0.004	0.3	2	0.4	0.3	0.2	3	1	1	0.2	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-102	0.2	--	0.3	0.4	0.04	0.7	--	0.5	0.03	0.02	--	0.03	0.03	0.004	0.06	--	0.05	0.003	0.2	2	0.4	0.4	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-103	0.2	--	0.5	0.5	0.06	1	--	0.6	0.05	0.03	--	0.05	0.04	0.006	0.1	--	0.06	0.005	0.3	2	0.6	0.5	0.2	4	1	1	0.2	0.03	0.9	0.06	0.05	0.05	1	0.4	0.3	0.2
ADA-104	0.1	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.06	--	0.04	0.002	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
ADA-105	0.3	--	0.4	0.4	0.07	0.7	--	0.7	0.07	0.03	--	0.04	0.03	0.006	0.06	--	0.07	0.007	0.3	2	0.4	0.4	0.2	3	1	1	0.3	0.04	0.9	0.05	0.03	0.06	1	0.4	0.4	0.2
ADA-106	0.1	--	0.3	0.3	0.04	0.7	--	0.4	0.03	0.02	--	0.03	0.03	0.003	0.06	--	0.04	0.003	0.2	2	0.4	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-107	0.2	--	0.5	0.4	0.03	1	--	0.7	0.05	0.03	--	0.05	0.03	0.003	0.09	--	0.07	0.005	0.3	2	0.5	0.4	0.2	4	1	1	0.2	0.03	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
ADA-108	0.2	--	0.4	0.3	0.06	0.6	--	0.6	0.06	0.02	--	0.04	0.03	0.005	0.06	--	0.06	0.006	0.2	2	0.4	0.3	0.2	3	1	1	0.3	0.03	0.9	0.05	0.03	0.05	1	0.4	0.3	0.2
ADA-109	0.3	--	0.3	0.3	0.1	0.6	--	0.8	0.09	0.04	--	0.03	0.03	0.01	0.05	--	0.08	0.009	0.3	2	0.3	0.3	0.3	3	1	2	0.3	0.05	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-110	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.07	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.007	0.3	2	0.3	0.3	0.2	3	1	1	0.3	0.04	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
ADA-111	0.2	--	0.4	0.4	0.03	0.8	--	0.6	0.03	0.02	--	0.04	0.04	0.003	0.07	--	0.06	0.003	0.2	2	0.4	0.4	0.2	4	1	1	0.2	0.03	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
ADA-112	0.2	--	0.4	0.4	0.03	1	--	0.5	0.04	0.02	--	0.03	0.04	0.003	0.09	--	0.05	0.004	0.2	2	0.4	0.4	0.2	4	1	1	0.2	0.03	0.9	0.04	0.04	0.05	1	0.4	0.3	0.2
ADA-113	0.2	--	0.3	0.3	0.03	1	--	0.6	0.03	0.02	--	0.03	0.03	0.003	0.09	--	0.06	0.004	0.2	2	0.4	0.4	0.2	4	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-114	0.3	--	0.3	0.3	0.02	0.9	--	0.6	0.03	0.03	--	0.03	0.03	0.002	0.08	--	0.06	0.003	0.3	2	0.3	0.3	0.2	4	1	1	0.2	0.04	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-115	0.2	--	0.3	0.3	0.04	0.6	--	0.5	0.03	0.02	--	0.02	0.03	0.004	0.06	--	0.05	0.003	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
ADA-116	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.02	0.03	--	0.02	0.03	0.004	0.05	--	0.05	0.002	0.3	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
ADA-117	0.3	--	0.3	0.3	0.06	0.8	--	0.6	0.05	0.03	--	0.03	0.03	0.006	0.07	--	0.06	0.005	0.3	2	0.3	0.3	0.2	4	1	1	0.2	0.04	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-118	0.2	--	0.4	0.4	0.05	0.9	--	0.6	0.06	0.03	--	0.03	0.03	0.004	0.09	--	0.06	0.006	0.3	2	0.4	0.4	0.2	4	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-119	0.2	--	0.3	0.3	0.05	0.7	--	0.6	0.05	0.03	--	0.03	0.03	0.005	0.06	--	0.06	0.005	0.3	2	0.4	0.3	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-121	0.3	--	0.4	0.4	0.07	0.9	--	0.8	0.07	0.03	--	0.04	0.04	0.007	0.08	--	0.08	0.007	0.3	2	0.5	0.4	0.2	4	1	2	0.3	0.04	0.9	0.05	0.04	0.06	1	0.4	0.4	0.2
ADA-122	0.1	--	0.3	0.3	0.02	0.7	--	0.4	0.02	0.02	--	0.03	0.03	0.002	0.06	--	0.04	0.002	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-124	0.2	--	0.2	0.2	0.08	0.3	--	0.5	0.03	0.02	--	0.01	0.02	0.007	0.03	--	0.05	0.003	0.2	2	0.2	0.2	0.2	3	1	1	0.2	0.03	0.9	0.02	0.02	0.06	1	0.4	0.3	0.2
ADA-125	0.3	--	0.2	0.2	0.05	0.4	--	0.6	0.02	0.03	--	0.02	0.02	0.005	0.03	--	0.06	0.002	0.3	2	0.2	0.2	0.2	3	1	1	0.2	0.04	0.9	0.02	0.02	0.05	1	0.4	0.3	0.2
ADA-126	0.4	--	0.2	0.2	0.09	0.5	--	0.9	0.09	0.05	--	0.02	0.02	0.009	0.04	--	0.09	0.009	0.5	2	0.2	0.2	0.2	3	1	2	0.3	0.06	0.9	0.03	0.02	0.06	1	0.4	0.4	0.2
ADA-127	0.3	--	0.5	0.4	0.07	0.6	--	0.7	0.08	0.04	--	0.04	0.03	0.006	0.06	--	0.07	0.008	0.4	2	0.5	0.4	0.2	3	1	1	0.3	0.05	0.9	0.05	0.04	0.06	1	0.4	0.4	0.2
ADA-128	0.2	--	0.2	0.2	0.1	0.3	--	0.7	0.1	0.03	--	0.01	0.02	0.01	0.03	--	0.07	0.01	0.3	2	0.2	0.2	0.3	3	1	1	0.3	0.04	0.9	0.02	0.02	0.06	1	0.4	0.3	0.2
ADA-131	0.4	--	0.2	0.3	0.1	0.5	--	0.9	0.09	0.04	--	0.02	0.02	0.01	0.04	--	0.09	0.009	0.4	2	0.3	0.3	0.3	3	1	2	0.3	0.05	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
ADA-132	0.1	--	0.2	0.2	0.04	0.2	--	0.5	0.03	0.02	--	0.02	0.02	0.004	0.02	--	0.05	0.003	0.2	2	0.2	0.2	0.2	3	1	1	0.2	0.03	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
ADA-133	0.3	--	0.3	0.3	0.09	0.6	--	0.8	0.08	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.008	0.3	2	0.3	0.3	0.2	3	1	2	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-135	0.1	--	0.2	0.3	0.04	0.3	--	0.4	0.04	0.01	--	0.02	0.02	0.004	0.03	--	0.04	0.004	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
ADA-136	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.05	--	0.08	0.01	0.3	2	0.3	0.3	0.3	3	1	2	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-139	0.3	--	0.3	0.3	0.08	0.5	--	0.7	0.06	0.03	--	0.03	0.03	0.007	0.05	--	0.07	0.006	0.3	2	0.4	0.3	0.2	3	1	1	0.2	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-140	0.4	--	0.2	0.3	0.1	0.3	--	1	0.1	0.04	--	0.02	0.03	0.01	0.02	--	0.1	0.01	0.4	2	0.3	0.3	0.3	3	1	2	0.3	0.05	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
ADA-141	0.3	--	0.3	0.3	0.05	0.6	--	0.7	0.04	0.03	--	0.03	0.03	0.005	0.06	--	0.07	0.004	0.3	2	0.4	0.3	0.2	3	1	1	0.2	0.04	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-142	0.4	--	0.2	0.3	0.2	0.6	--	1	0.2	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.02	0.4	2	0.3	0.3	0.3	3	1	2	0.3	0.05	0.9	0.03	0.03	0.07	1	0.4	0.4	0.2
ADA-143	0.3	--	0.3	0.3	0.1	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.01	0.05	--	0.07	0.008	0.3	2	0.3	0.3	0.2	3	1	1	0.3	0.04	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
ADA-144	0.8	--	0.2	0.3	0.4	0.7	--	2	0.2	0.09	--	0.02	0.03	0.04	0.07	--	0.2	0.02	0.8	2	0.3	0.3	0.5	3	1	2	0.4	0.1	0.9	0.03	0.03	0.09	1	0.4	0.5	0.2
ADA-145	0.3	--	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.08	0.01	0.3	2	0.4	0.3	0.2	3	1	2	0.3	0.04	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-146	0.4	--	0.3	0.3	0.1	0.5	--	0.9	0.1	0.04	--	0.02	0.03	0.01	0.05	--	0.09	0.01	0.4	2	0.3	0.3	0.2	3	1	2	0.3	0.05	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
ADA-147	0.5	--	0.2	0.3	0.3	0.4	--	1	0.1	0.06	--	0.02	0.02	0.03	0.04	--	0.1	0.01	0.6	2	0.2	0.3	0.5	3	1	2	0.3	0.07	0.9	0.03	0.03	0.08	1	0.4	0.4	0.2
ADA-148	0.3	--	0.2	0.2	0.1	0.3	--	0.9	0.08	0.03	--	0.02	0.02	0.009	0.03	--	0.09	0.008	0.3	2	0.2	0.3	0.2	3	1	2	0.3	0.04	0.9	0.03	0.02	0.06	1	0.4	0.4	0.2
ADA-150	0.5	--	0.2	0.3	0.2	0.4	--	1	0.1	0.05	--	0.02	0.02	0.02	0.04	--	0.1	0.01	0.5	2	0.2	0.3	0.3	3	1	2	0.3	0.06	0.9	0.03	0.02	0.07	1	0.4	0.4	0.2
ADA-151	0.3	--	0.2	0.3	0.1	0.2	--	1	0.06	0.04	--	0.02	0.02	0.01	0.02	--	0.1	0.006	0.3	2	0.2	0.3	0.3	3	1	2	0.3	0.04	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
ADA-152	0.5	--	0.3	0.4	0.08	0.6	--	1	0.07	0.06	--	0.03	0.04	0.007	0.06	--	0.1	0.007	0.6	2	0.4	0.4	0.2	3	1	2	0.3	0.07	0.9	0.04	0.04	0.06	1	0.4	0.4	0.2
ADA-153	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.01	0.06	--	0.1	0.01	0.4	2	0.4	0.3	0.2	3	1	2	0.3	0.06	0.9	0.04	0.03	0.06	1	0.4	0.4	0.2
ADA-154	0.4	--	0.4	0.3	0.1	0.6	--	0.9	0.09	0.04	--	0.04	0.03	0.01	0.06	--	0.09	0.009	0.4	2	0.4	0.3	0.2	3	1	2	0.3	0.05	0.9	0.05	0.03	0.06	1	0.4	0.4	0.2
ADA-155	0.3	--	0.2	0.2	0.1	0.5	--	0.8	0.07	0.04	--	0.02	0.02	0.01	0.05	--	0.08	0.007	0.4	2	0.2	0.2	0.3	3	1	2	0.3	0.05	0.9	0.03	0.02	0.06	1	0.4	0.4	0.2
ADA-156	0.2	--	0.2	0.3	0.1	0.4	--	0.7	0.06	0.03	--	0.02	0.03	0.01	0.04	--	0.07	0.007	0.3	2	0.2	0.3	0.3	3	1	1	0.3	0.04	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
ADA-158	0.4	--	0.2	0.3	0.2	0.3	--	0.9	0.08	0.04	--	0.02	0.02	0.02	0.03	--	0.09	0.008	0.4	2	0.2	0.3	0.3	3	1	2	0.3	0.05	0.9	0.03	0.02	0.06	1	0.4	0.4	0.2
ADA-159	0.4	--	0.4	0.3	0.2	0.7	--	0.9	0.1	0.04	--	0.04	0.03	0.02	0.06	--	0.09	0.01	0.4	2	0.4	0.3	0.3	3	1	2	0.3	0.05	0.9	0.05	0.03	0.07	1	0.4	0.4	0.2

Table 5-37. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Burbot

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-160	0.4	--	0.2	0.2	0.1	0.4	--	0.8	0.08	0.04	--	0.02	0.02	0.01	0.04	--	0.08	0.008	0.4	2	0.2	0.2	0.3	3	1	2	0.3	0.05	0.9	0.03	0.02	0.06	1	0.4	0.4	0.2
ADA-161	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	--	0.02	0.02	0.01	0.05	--	0.08	0.009	0.3	2	0.3	0.3	0.2	3	1	2	0.3	0.04	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
ADA-162	0.5	--	0.2	0.3	0.4	0.4	--	2	0.2	0.06	--	0.02	0.02	0.04	0.04	--	0.2	0.02	0.5	2	0.2	0.3	0.5	3	1	2	0.4	0.07	0.9	0.03	0.03	0.09	1	0.4	0.4	0.2
ADA-164	0.4	--	0.3	0.3	0.2	0.5	--	1	0.1	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.01	0.4	2	0.3	0.3	0.3	3	1	2	0.3	0.05	0.9	0.03	0.03	0.07	1	0.4	0.4	0.2
ADA-165	0.4	--	0.3	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	0.4	2	0.3	0.3	0.3	3	1	2	0.3	0.05	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
ADA-168	0.4	--	0.2	0.3	0.1	0.5	--	1	0.09	0.05	--	0.02	0.03	0.01	0.04	--	0.1	0.009	0.4	2	0.3	0.3	0.3	3	1	2	0.3	0.06	0.9	0.03	0.03	0.06	1	0.4	0.4	0.2
ADA-169	0.1	--	0.3	0.4	0.01	0.6	--	0.3	0.007	0.01	--	0.03	0.03	0.001	0.05	--	0.03	0.0007	0.2	2	0.3	0.4	0.1	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-170	0.2	--	0.3	0.4	0.03	0.5	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.002	0.2	2	0.3	0.4	0.2	3	1	1	0.2	0.03	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-171	0.2	--	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
ADA-172	0.09	--	0.2	0.3	0.02	0.5	--	0.3	0.006	0.01	--	0.02	0.02	0.002	0.05	--	0.03	0.0006	0.1	2	0.2	0.3	0.1	3	1	1	0.2	0.02	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
ADA-173	0.2	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.05	--	0.04	0.002	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.03	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
ADA-174	0.1	--	0.2	0.2	0.03	0.6	--	0.4	0.03	0.02	--	0.02	0.02	0.003	0.06	--	0.04	0.003	0.2	2	0.2	0.2	0.2	3	1	1	0.2	0.03	0.9	0.03	0.02	0.05	1	0.4	0.3	0.2
ADA-175	0.1	--	0.4	0.3	0.02	0.7	--	0.4	0.01	0.01	--	0.03	0.03	0.002	0.07	--	0.04	0.001	0.1	2	0.4	0.3	0.1	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-176	0.1	--	0.6	0.5	0.02	0.8	--	0.6	0.01	0.01	--	0.06	0.04	0.002	0.07	--	0.06	0.001	0.1	2	0.6	0.5	0.1	4	1	1	0.2	0.02	0.9	0.06	0.04	0.05	1	0.4	0.3	0.2
ADA-177	0.1	--	0.4	0.4	0.01	0.6	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.06	--	0.04	0.0007	0.2	2	0.4	0.4	0.1	3	1	1	0.2	0.02	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
ADA-178	0.1	--	0.4	0.4	0.02	0.5	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.05	--	0.04	0.0007	0.2	2	0.4	0.4	0.1	3	1	1	0.2	0.02	0.9	0.05	0.04	0.05	1	0.4	0.3	0.2
ADA-179	0.1	--	0.2	0.3	0.03	0.5	--	0.4	0.02	0.01	--	0.02	0.03	0.002	0.05	--	0.04	0.002	0.1	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
ADA-180	0.1	--	0.3	0.3	0.04	0.6	--	0.5	0.05	0.01	--	0.02	0.03	0.004	0.05	--	0.05	0.005	0.2	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
ADA-181	0.1	--	0.2	0.3	0.04	0.6	--	0.6	0.04	0.01	--	0.02	0.02	0.004	0.05	--	0.05	0.004	0.2	2	0.2	0.3	0.2	3	1	1	0.2	0.02	0.9	0.03	0.03	0.05	1	0.4	0.3	0.2
ADA-182	0.1	--	0.3	0.3	0.03	0.5	--	0.4	0.05	0.01	--	0.03	0.03	0.003	0.04	--	0.04	0.005	0.1	2	0.3	0.3	0.2	3	1	1	0.2	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2
ADA-183	0.2	--	0.3	0.3	0.09	0.4	--	0.6	0.2	0.02	--	0.02	0.02	0.008	0.04	--	0.06	0.02	0.2	2	0.3	0.3	0.2	3	1	1	0.4	0.03	0.9	0.03	0.03	0.06	1	0.4	0.3	0.2
ADA-184	0.1	--	0.3	0.3	0.03	0.6	--	0.4	0.09	0.01	--	0.03	0.02	0.003	0.06	--	0.04	0.009	0.2	2	0.3	0.3	0.2	3	1	1	0.3	0.02	0.9	0.04	0.03	0.05	1	0.4	0.3	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-38. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Kokanee

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
Indoor Air	--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																
Outdoor Air	--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02	**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**									**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Kokanee)	0.1	0.6	0.09	0.01	0.08	0.7	0.7	3	--	0.04	0.2	0.03	0.005	0.03	0.3	0.3	1	--																
Upland Soil/Dust[a]	**Number of ADAs that exceed benchmark[c] for Soil/Dust:**									**Number of ADAs that exceed benchmark[c] for Soil/Dust:**																										
ADA	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	0	142	0	0	0	0	0	0	0	0	0
ADA-001	0.2	--	0.4	0.3	0.07	0.5	--	0.8	0.09	0.03	--	0.04	0.03	0.007	0.05	--	0.08	0.009	0.3	0.6	0.5	0.3	0.2	2	0.7	4	0.3	0.06	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
ADA-002	0.2	--	0.3	0.4	0.06	0.4	--	0.6	0.04	0.02	--	0.03	0.03	0.006	0.04	--	0.06	0.004	0.3	0.6	0.4	0.4	0.1	1	0.7	3	0.2	0.06	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
ADA-004	0.2	--	0.2	0.3	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.03	0.007	0.05	--	0.06	0.007	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.3	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-005	0.3	--	0.3	0.4	0.08	0.4	--	0.8	0.04	0.03	--	0.03	0.03	0.008	0.04	--	0.08	0.004	0.4	0.6	0.4	0.4	0.2	1	0.7	4	0.2	0.07	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
ADA-006	0.3	--	0.3	0.3	0.09	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.008	0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-008	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.03	0.03	0.01	0.04	--	0.08	0.007	0.4	0.6	0.4	0.4	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
ADA-010	0.5	--	0.4	0.4	0.1	1	--	1	0.1	0.05	--	0.04	0.03	0.01	0.1	--	0.1	0.01	0.6	0.6	0.5	0.4	0.2	2	0.7	4	0.3	0.09	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
ADA-015	0.2	--	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	--	0.02	0.02	0.004	0.04	--	0.05	0.004	0.3	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.06	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
ADA-016	0.2	--	0.2	0.2	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.02	0.007	0.04	--	0.06	0.007	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.3	0.06	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
ADA-017	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.02	0.03	0.01	0.04	--	0.08	0.008	0.4	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
ADA-018	0.2	--	0.2	0.3	0.2	0.4	--	0.8	0.09	0.02	--	0.02	0.02	0.01	0.04	--	0.08	0.009	0.3	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.06	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
ADA-019	0.2	--	0.4	0.4	0.04	0.5	--	0.6	0.04	0.03	--	0.04	0.04	0.004	0.05	--	0.06	0.004	0.3	0.6	0.5	0.5	0.1	2	0.7	3	0.2	0.06	0.2	0.07	0.05	0.03	0.7	0.3	1	0.2
ADA-020	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
ADA-021	0.4	--	0.8	0.5	0.05	0.6	--	0.7	0.04	0.05	--	0.07	0.05	0.005	0.05	--	0.07	0.004	0.5	0.6	0.9	0.5	0.1	2	0.7	3	0.2	0.08	0.2	0.1	0.05	0.03	0.7	0.3	1	0.2
ADA-023	0.3	--	0.3	0.3	0.07	0.4	--	0.8	0.09	0.03	--	0.03	0.03	0.007	0.03	--	0.08	0.009	0.4	0.6	0.4	0.3	0.1	1	0.7	4	0.3	0.07	0.2	0.07	0.03	0.04	0.7	0.3	1	0.2
ADA-024	0.4	--	0.2	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	0.5	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.09	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
ADA-025	0.3	--	0.2	0.2	0.05	0.5	--	0.6	0.09	0.03	--	0.02	0.02	0.005	0.05	--	0.06	0.009	0.4	0.6	0.3	0.2	0.1	2	0.7	3	0.3	0.07	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
ADA-026	0.2	--	0.2	0.3	0.05	0.4	--	0.5	0.07	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.007	0.3	0.6	0.3	0.3	0.1	1	0.7	3	0.3	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
ADA-028	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.03	--	0.02	0.02	0.006	0.04	--	0.06	0.005	0.3	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.06	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
ADA-033	0.2	--	0.2	0.3	0.02	0.7	--	0.6	0.05	0.02	--	0.02	0.02	0.002	0.06	--	0.06	0.005	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
ADA-034	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
ADA-035	0.2	--	0.2	0.3	0.04	0.6	--	0.6	0.06	0.03	--	0.02	0.03	0.004	0.06	--	0.06	0.006	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
ADA-039	0.1	--	0.2	0.3	0.02	0.5	--	0.4	0.05	0.01	--	0.02	0.02	0.002	0.05	--	0.04	0.005	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
ADA-042	0.1	--	0.2	0.3	0.04	0.4	--	0.4	0.02	0.02	--	0.02	0.03	0.004	0.04	--	0.04	0.002	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
ADA-043	0.2	--	0.6	0.5	0.08	0.7	--	0.6	0.08	0.02	--	0.05	0.04	0.007	0.07	--	0.06	0.008	0.3	0.6	0.7	0.5	0.2	2	0.7	3	0.3	0.06	0.2	0.09	0.05	0.04	0.7	0.3	1	0.2
ADA-044	0.2	--	0.5	0.4	0.04	0.8	--	0.8	0.2	0.03	--	0.05	0.04	0.004	0.07	--	0.08	0.02	0.3	0.6	0.6	0.4	0.1	2	0.7	4	0.4	0.06	0.2	0.08	0.04	0.03	0.7	0.3	1	0.2
ADA-045	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.1	0.01	0.5	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.09	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-046	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.02	--	0.02	0.02	0.005	0.04	--	0.06	0.005	0.3	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.06	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
ADA-047	0.3	--	0.3	0.3	0.1	0.6	--	0.9	0.09	0.03	--	0.03	0.03	0.009	0.06	--	0.09	0.009	0.4	0.6	0.4	0.4	0.2	2	0.7	4	0.3	0.07	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
ADA-048	0.2	--	0.4	0.4	0.05	0.7	--	0.5	0.06	0.02	--	0.04	0.04	0.005	0.07	--	0.05	0.006	0.3	0.6	0.5	0.4	0.1	2	0.7	3	0.3	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-049	0.2	--	0.3	0.3	0.02	0.7	--	0.6	0.06	0.02	--	0.03	0.03	0.002	0.07	--	0.06	0.006	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.3	0.06	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
ADA-050	0.4	--	0.5	0.4	0.1	0.6	--	1	0.1	0.04	--	0.05	0.04	0.01	0.06	--	0.1	0.01	0.5	0.6	0.6	0.4	0.2	2	0.7	4	0.3	0.08	0.2	0.08	0.04	0.04	0.7	0.3	1	0.2
ADA-051	0.1	--	0.3	0.3	0.03	0.6	--	0.5	0.1	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.01	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.3	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-052	0.3	--	0.4	0.3	0.1	0.6	--	0.9	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.09	0.01	0.4	0.6	0.5	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
ADA-053	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.002	0.07	--	0.05	0.002	0.2	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-054	0.5	--	0.3	0.3	0.2	0.7	--	1	0.2	0.06	--	0.03	0.03	0.02	0.07	--	0.1	0.02	0.6	0.6	0.4	0.3	0.3	2	0.7	4	0.4	0.09	0.2	0.06	0.03	0.05	0.7	0.3	1	0.2
ADA-055	0.3	--	0.3	0.4	0.07	0.8	--	0.8	0.1	0.03	--	0.03	0.03	0.007	0.08	--	0.08	0.01	0.4	0.6	0.4	0.4	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
ADA-056	0.2	--	0.4	0.4	0.02	0.8	--	0.5	0.02	0.02	--	0.04	0.04	0.002	0.08	--	0.05	0.002	0.3	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-057	0.2	--	0.5	0.4	0.05	0.7	--	0.6	0.04	0.02	--	0.05	0.04	0.004	0.06	--	0.06	0.004	0.3	0.6	0.6	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.08	0.05	0.03	0.7	0.3	1	0.2
ADA-058	0.1	--	0.3	0.4	0.02	0.6	--	0.4	0.02	0.01	--	0.03	0.03	0.002	0.06	--	0.03	0.002	0.2	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-059	0.1	--	0.4	0.4	0.04	0.9	--	0.5	0.04	0.02	--	0.04	0.04	0.004	0.08	--	0.05	0.004	0.2	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-060	0.5	--	0.6	0.4	0.1	0.7	--	1	0.1	0.05	--	0.05	0.04	0.01	0.07	--	0.1	0.01	0.6	0.6	0.7	0.4	0.2	2	0.7	4	0.3	0.09	0.2	0.09	0.04	0.04	0.7	0.3	1	0.2
ADA-061	0.2	--	0.6	0.5	0.02	1	--	0.6	0.03	0.02	--	0.05	0.04	0.002	0.1	--	0.06	0.003	0.3	0.6	0.6	0.5	0.1	2	0.7	3	0.2	0.06	0.2	0.09	0.05	0.03	0.7	0.3	1	0.2
ADA-062	0.3	--	0.3	0.3	0.08	0.7	--	0.9	0.09	0.04	--	0.03	0.03	0.008	0.06	--	0.09	0.01	0.4	0.6	0.4	0.4	0.2	2	0.7	4	0.3	0.07	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
ADA-063	0.2	--	0.3	0.3	0.04	0.7	--	0.5	0.07	0.02	--	0.03	0.03	0.004	0.07	--	0.05	0.007	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.3	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-064	0.2	--	0.5	0.4	0.03	1	--	0.7	0.03	0.03	--	0.04	0.04	0.003	0.1	--	0.07	0.003	0.3	0.6	0.6	0.5	0.1	2	0.7	3	0.2	0.06	0.2	0.08	0.05	0.03	0.7	0.3	1	0.2
ADA-065	0.3	--	0.3	0.3	0.1	0.7	--	0.9	0.1	0.04	--	0.03	0.03	0.01	0.07	--	0.09	0.01	0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-066	0.2	--	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.005	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
ADA-067	0.2	--	0.4	0.4	0.03	0.7	--	0.5	0.09	0.02	--	0.04	0.04	0.003	0.07	--	0.05	0.009	0.3	0.6	0.5	0.4	0.1	2	0.7	3	0.3	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-070	0.3	--	0.4	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.006	0.4	0.6	0.4	0.4	0.2	2	0.7	4	0.2	0.07	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
ADA-071	0.3	--	0.3	0.3	0.09	0.6	--	0.7	0.06	0.03	--	0.03	0.03	0.008	0.05	--	0.07	0.006	0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.2	0.07	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
ADA-073	0.4	--	0.3	0.3	0.1	0.6	--	0.8	0.06	0.04	--	0.03	0.03	0.01	0.06	--	0.08	0.006	0.5	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.08	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-076	0.4	--	0.3	0.3	0.1	0.6	--	0.9	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.09	0.01	0.5	0.6	0.4	0.4	0.2	2	0.7	4	0.3	0.08	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
ADA-078	0.3	--	0.3	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.009	0.07	--	0.08	0.007	0.4	0.6	0.4	0.4	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
ADA-079	0.2	--	0.2	0.2	0.06	0.6	--	0.5	0.1	0.02	--	0.02	0.02	0.006	0.05	--	0.05	0.01	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.3	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-081	0.3	--	0.3	0.4	0.09	0.6	--	0.7	0.04	0.03	--	0.03	0.04	0.008	0.06	--	0.07	0.004	0.4	0.6	0.4	0.4	0.2	2	0.7	3	0.2	0.07	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
ADA-082	0.2	--	0.3	0.3	0.06	0.6	--	0.6	0.04	0.03	--	0.03	0.03	0.006	0.05	--	0.06	0.004	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-084	0.2	--	0.4	0.4	0.05	0.8	--	0.6	0.04	0.02	--	0.04	0.04	0.005	0.08	--	0.06	0.004	0.3	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2

Table 5-38. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Kokanee

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-085	0.2	--	0.3	0.4	0.04	0.7	--	0.6	0.05	0.02	--	0.03	0.03	0.004	0.06	--	0.06	0.005	0.3	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
ADA-088	0.3	--	0.5	0.4	0.09	1	--	0.9	0.09	0.04	--	0.05	0.04	0.009	0.1	--	0.09	0.009	0.4	0.6	0.6	0.5	0.2	2	0.7	4	0.3	0.08	0.2	0.08	0.05	0.04	0.7	0.3	1	0.2
ADA-089	0.4	--	0.5	0.4	0.09	1	--	0.9	0.08	0.05	--	0.04	0.04	0.009	0.1	--	0.09	0.008	0.5	0.6	0.6	0.4	0.2	2	0.7	4	0.3	0.09	0.2	0.08	0.04	0.04	0.7	0.3	1	0.2
ADA-090	0.2	--	0.4	0.4	0.08	0.9	--	0.7	0.07	0.02	--	0.03	0.03	0.007	0.08	--	0.07	0.007	0.3	0.6	0.4	0.4	0.2	2	0.7	3	0.3	0.06	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
ADA-091	0.3	--	0.4	0.3	0.08	0.7	--	0.8	0.09	0.04	--	0.04	0.03	0.007	0.07	--	0.08	0.009	0.4	0.6	0.5	0.4	0.2	2	0.7	4	0.3	0.08	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
ADA-092	0.3	--	0.3	0.3	0.05	0.8	--	0.8	0.08	0.04	--	0.03	0.03	0.005	0.08	--	0.08	0.008	0.4	0.6	0.4	0.4	0.1	2	0.7	4	0.3	0.08	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-093	0.3	--	0.3	0.3	0.04	0.9	--	0.7	0.04	0.03	--	0.03	0.03	0.004	0.09	--	0.07	0.004	0.4	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.07	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
ADA-094	0.2	--	0.3	0.4	0.03	0.6	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	0.3	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
ADA-095	0.3	--	0.5	0.4	0.05	0.9	--	0.7	0.03	0.03	--	0.04	0.04	0.005	0.08	--	0.07	0.003	0.4	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.07	0.2	0.08	0.04	0.03	0.7	0.3	1	0.2
ADA-096	0.3	--	0.3	0.3	0.08	0.8	--	0.7	0.08	0.03	--	0.03	0.03	0.008	0.08	--	0.07	0.008	0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
ADA-097	0.4	--	0.4	0.4	0.1	0.9	--	1	0.1	0.05	--	0.04	0.03	0.01	0.09	--	0.1	0.01	0.5	0.6	0.5	0.4	0.2	2	0.7	4	0.3	0.08	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
ADA-099	0.4	--	0.4	0.4	0.07	1	--	0.9	0.06	0.04	--	0.04	0.04	0.007	0.09	--	0.09	0.006	0.5	0.6	0.5	0.4	0.2	2	0.7	4	0.3	0.08	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
ADA-101	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.04	0.03	--	0.03	0.03	0.009	0.05	--	0.07	0.004	0.3	0.6	0.4	0.4	0.2	2	0.7	4	0.2	0.07	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
ADA-102	0.2	--	0.3	0.4	0.04	0.7	--	0.5	0.03	0.02	--	0.03	0.03	0.004	0.06	--	0.05	0.003	0.3	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-103	0.2	--	0.5	0.5	0.06	1	--	0.6	0.05	0.03	--	0.05	0.04	0.006	0.1	--	0.06	0.005	0.3	0.6	0.6	0.5	0.1	2	0.7	3	0.2	0.06	0.2	0.08	0.05	0.03	0.7	0.3	1	0.2
ADA-104	0.1	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.06	--	0.04	0.002	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
ADA-105	0.3	--	0.4	0.4	0.07	0.7	--	0.7	0.07	0.03	--	0.04	0.03	0.006	0.06	--	0.07	0.007	0.4	0.6	0.5	0.4	0.1	2	0.7	4	0.3	0.07	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
ADA-106	0.1	--	0.3	0.3	0.04	0.7	--	0.4	0.03	0.02	--	0.03	0.03	0.003	0.06	--	0.04	0.003	0.2	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-107	0.2	--	0.5	0.4	0.03	1	--	0.7	0.05	0.03	--	0.05	0.03	0.003	0.09	--	0.07	0.005	0.3	0.6	0.6	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.08	0.04	0.03	0.7	0.3	1	0.2
ADA-108	0.2	--	0.4	0.3	0.06	0.6	--	0.6	0.06	0.02	--	0.04	0.03	0.005	0.06	--	0.06	0.006	0.3	0.6	0.5	0.3	0.1	2	0.7	3	0.3	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-109	0.3	--	0.3	0.3	0.1	0.6	--	0.8	0.09	0.04	--	0.03	0.03	0.01	0.05	--	0.08	0.009	0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-110	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.07	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.007	0.3	0.6	0.4	0.3	0.2	2	0.7	3	0.3	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-111	0.2	--	0.4	0.4	0.03	0.8	--	0.6	0.03	0.02	--	0.04	0.04	0.003	0.07	--	0.06	0.003	0.3	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-112	0.2	--	0.4	0.4	0.03	1	--	0.5	0.04	0.02	--	0.03	0.04	0.003	0.09	--	0.05	0.004	0.3	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-113	0.2	--	0.3	0.3	0.03	1	--	0.6	0.03	0.02	--	0.03	0.03	0.003	0.09	--	0.06	0.004	0.3	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-114	0.3	--	0.3	0.3	0.02	0.9	--	0.6	0.03	0.03	--	0.03	0.03	0.002	0.08	--	0.06	0.003	0.4	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.07	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
ADA-115	0.2	--	0.3	0.3	0.04	0.6	--	0.5	0.03	0.02	--	0.02	0.03	0.004	0.06	--	0.05	0.003	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
ADA-116	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.02	0.03	--	0.02	0.03	0.004	0.05	--	0.05	0.002	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
ADA-117	0.3	--	0.3	0.3	0.06	0.8	--	0.6	0.05	0.03	--	0.03	0.03	0.006	0.07	--	0.06	0.005	0.4	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.07	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
ADA-118	0.2	--	0.4	0.4	0.05	0.9	--	0.6	0.06	0.03	--	0.03	0.03	0.004	0.09	--	0.06	0.006	0.3	0.6	0.5	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-119	0.2	--	0.3	0.3	0.05	0.7	--	0.6	0.05	0.03	--	0.03	0.03	0.005	0.06	--	0.06	0.005	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-121	0.3	--	0.4	0.4	0.07	0.9	--	0.8	0.07	0.03	--	0.04	0.04	0.007	0.08	--	0.08	0.007	0.4	0.6	0.5	0.4	0.2	2	0.7	4	0.3	0.07	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
ADA-122	0.1	--	0.3	0.3	0.02	0.7	--	0.4	0.02	0.02	--	0.03	0.03	0.002	0.06	--	0.04	0.002	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
ADA-124	0.2	--	0.2	0.2	0.08	0.3	--	0.5	0.03	0.02	--	0.01	0.02	0.007	0.03	--	0.05	0.003	0.3	0.6	0.2	0.2	0.2	1	0.7	3	0.2	0.06	0.2	0.05	0.02	0.04	0.7	0.3	1	0.2
ADA-125	0.3	--	0.2	0.2	0.05	0.4	--	0.6	0.02	0.03	--	0.02	0.02	0.005	0.03	--	0.06	0.002	0.4	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.07	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
ADA-126	0.4	--	0.2	0.2	0.09	0.5	--	0.9	0.09	0.05	--	0.02	0.02	0.009	0.04	--	0.09	0.009	0.5	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.09	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
ADA-127	0.3	--	0.5	0.4	0.07	0.6	--	0.7	0.08	0.04	--	0.04	0.03	0.006	0.06	--	0.07	0.008	0.4	0.6	0.6	0.4	0.1	2	0.7	4	0.3	0.07	0.2	0.08	0.04	0.04	0.7	0.3	1	0.2
ADA-128	0.2	--	0.2	0.2	0.1	0.3	--	0.7	0.1	0.03	--	0.01	0.02	0.01	0.03	--	0.07	0.01	0.3	0.6	0.2	0.2	0.2	1	0.7	3	0.3	0.06	0.2	0.05	0.02	0.04	0.7	0.3	1	0.2
ADA-131	0.4	--	0.2	0.3	0.1	0.5	--	0.9	0.09	0.04	--	0.02	0.02	0.01	0.04	--	0.09	0.009	0.5	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.08	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-132	0.1	--	0.2	0.2	0.04	0.2	--	0.5	0.03	0.02	--	0.02	0.02	0.004	0.02	--	0.05	0.003	0.3	0.6	0.3	0.2	0.1	1	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.6	0.3	1	0.2
ADA-133	0.3	--	0.3	0.3	0.09	0.6	--	0.8	0.08	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.008	0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-135	0.1	--	0.2	0.3	0.04	0.3	--	0.4	0.04	0.01	--	0.02	0.02	0.004	0.03	--	0.04	0.004	0.2	0.6	0.3	0.3	0.1	1	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.6	0.3	1	0.2
ADA-136	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.05	--	0.08	0.01	0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-139	0.3	--	0.3	0.3	0.08	0.5	--	0.7	0.06	0.03	--	0.03	0.03	0.007	0.05	--	0.07	0.006	0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.2	0.07	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
ADA-140	0.4	--	0.2	0.3	0.1	0.3	--	1	0.1	0.04	--	0.02	0.03	0.01	0.02	--	0.1	0.01	0.5	0.6	0.3	0.3	0.2	1	0.7	4	0.3	0.08	0.2	0.06	0.03	0.04	0.6	0.3	1	0.2
ADA-141	0.3	--	0.3	0.3	0.05	0.6	--	0.7	0.04	0.03	--	0.03	0.03	0.005	0.06	--	0.07	0.004	0.4	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.07	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
ADA-142	0.4	--	0.2	0.3	0.2	0.6	--	1	0.2	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.02	0.5	0.6	0.3	0.3	0.3	2	0.7	4	0.3	0.08	0.2	0.06	0.03	0.05	0.7	0.3	1	0.2
ADA-143	0.3	--	0.3	0.3	0.1	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.01	0.05	--	0.07	0.008	0.4	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-144	0.8	--	0.2	0.3	0.4	0.7	--	2	0.2	0.09	--	0.02	0.03	0.04	0.07	--	0.2	0.02	0.9	0.6	0.3	0.3	0.5	2	0.7	4	0.4	0.1	0.2	0.06	0.03	0.07	0.7	0.3	1	0.2
ADA-145	0.3	--	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.08	0.01	0.4	0.6	0.4	0.4	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.04	0.04	0.7	0.3	1	0.2
ADA-146	0.4	--	0.3	0.3	0.1	0.5	--	0.9	0.1	0.04	--	0.02	0.03	0.01	0.05	--	0.09	0.01	0.5	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.08	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-147	0.5	--	0.2	0.3	0.3	0.4	--	1	0.1	0.06	--	0.02	0.02	0.03	0.04	--	0.1	0.01	0.6	0.6	0.3	0.3	0.4	1	0.7	4	0.3	0.1	0.2	0.05	0.03	0.06	0.7	0.3	1	0.2
ADA-148	0.3	--	0.2	0.2	0.1	0.3	--	0.9	0.08	0.03	--	0.02	0.02	0.009	0.03	--	0.09	0.008	0.4	0.6	0.3	0.3	0.2	1	0.7	4	0.3	0.07	0.2	0.05	0.03	0.04	0.6	0.3	1	0.2
ADA-150	0.5	--	0.2	0.3	0.2	0.4	--	1	0.1	0.05	--	0.02	0.02	0.02	0.04	--	0.1	0.01	0.6	0.6	0.3	0.3	0.3	2	0.7	4	0.3	0.09	0.2	0.05	0.03	0.05	0.7	0.3	1	0.2
ADA-151	0.3	--	0.2	0.3	0.1	0.2	--	1	0.06	0.04	--	0.02	0.02	0.01	0.02	--	0.1	0.006	0.4	0.6	0.3	0.3	0.2	1	0.7	4	0.3	0.07	0.2	0.05	0.03	0.04	0.6	0.3	1	0.2
ADA-152	0.5	--	0.3	0.4	0.08	0.6	--	1	0.07	0.06	--	0.03	0.04	0.007	0.06	--	0.1	0.007	0.6	0.6	0.4	0.4	0.2	2	0.7	4	0.3	0.1	0.2	0.07	0.04	0.04	0.7	0.3	1	0.2
ADA-153	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.01	0.06	--	0.1	0.01	0.5	0.6	0.4	0.3	0.2	2	0.7	4	0.3	0.08	0.2	0.07	0.03	0.04	0.7	0.3	1	0.2
ADA-154	0.4	--	0.4	0.3	0.1	0.6	--	0.9	0.09	0.04	--	0.04	0.03	0.01	0.06	--	0.09	0.009	0.5	0.6	0.5	0.3	0.2	2	0.7	4	0.3	0.08	0.2	0.07	0.03	0.04	0.7	0.3	1	0.2
ADA-155	0.3	--	0.2	0.2	0.1	0.5	--	0.8	0.07	0.04	--	0.02	0.02	0.01	0.05	--	0.08	0.007	0.4	0.6	0.3	0.2	0.2	2	0.7	4	0.3	0.08	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
ADA-156	0.2	--	0.2	0.3	0.1	0.4	--	0.7	0.06	0.03	--	0.02	0.03	0.01	0.04	--	0.07	0.007	0.3	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.06	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
ADA-158	0.4	--	0.2	0.3	0.2	0.3	--	0.9	0.08	0.04	--	0.02	0.02	0.02	0.03	--	0.09	0.008	0.5	0.6	0.3	0.3	0.2	1	0.7	4	0.3	0.08	0.2	0.05	0.03	0.04	0.6	0.3	1	0.2
ADA-159	0.4	--	0.4	0.3	0.2	0.7	--	0.9	0.1	0.04	--	0.04	0.03	0.02	0.06	--	0.09	0.01	0.5	0.6	0.5	0.3	0.3	2	0.7	4	0.3	0.08	0.2	0.07	0.03	0.05	0.7	0.3	1	0.2

Table 5-38. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Kokanee

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-160	0.4	--	0.2	0.2	0.1	0.4	--	0.8	0.08	0.04	--	0.02	0.02	0.01	0.04	--	0.08	0.008	0.5	0.6	0.3	0.2	0.2	1	0.7	4	0.3	0.08	0.2	0.05	0.03	0.04	0.7	0.3	1	0.2
ADA-161	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	--	0.02	0.02	0.01	0.05	--	0.08	0.009	0.4	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.07	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-162	0.5	--	0.2	0.3	0.4	0.4	--	2	0.2	0.06	--	0.02	0.02	0.04	0.04	--	0.2	0.02	0.6	0.6	0.3	0.3	0.5	2	0.7	4	0.4	0.1	0.2	0.05	0.03	0.07	0.7	0.3	1	0.2
ADA-164	0.4	--	0.3	0.3	0.2	0.5	--	1	0.1	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.01	0.5	0.6	0.4	0.3	0.3	2	0.7	4	0.3	0.08	0.2	0.06	0.03	0.05	0.7	0.3	1	0.2
ADA-165	0.4	--	0.3	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	0.5	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.08	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-168	0.4	--	0.2	0.3	0.1	0.5	--	1	0.09	0.05	--	0.02	0.03	0.01	0.04	--	0.1	0.009	0.5	0.6	0.3	0.3	0.2	2	0.7	4	0.3	0.08	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-169	0.1	--	0.3	0.4	0.01	0.6	--	0.3	0.007	0.01	--	0.03	0.03	0.001	0.05	--	0.03	0.0007	0.2	0.6	0.4	0.4	0.09	2	0.7	3	0.2	0.05	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
ADA-170	0.2	--	0.3	0.4	0.03	0.5	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.002	0.3	0.6	0.4	0.4	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
ADA-171	0.2	--	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	0.3	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.06	0.2	0.06	0.04	0.03	0.7	0.3	1	0.2
ADA-172	0.09	--	0.2	0.3	0.02	0.5	--	0.3	0.006	0.01	--	0.02	0.02	0.002	0.05	--	0.03	0.0006	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
ADA-173	0.2	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.05	--	0.04	0.002	0.3	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
ADA-174	0.1	--	0.2	0.2	0.03	0.6	--	0.4	0.03	0.02	--	0.02	0.02	0.003	0.06	--	0.04	0.003	0.2	0.6	0.3	0.2	0.1	2	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
ADA-175	0.1	--	0.4	0.3	0.02	0.7	--	0.4	0.01	0.01	--	0.03	0.03	0.002	0.07	--	0.04	0.001	0.2	0.6	0.5	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-176	0.1	--	0.6	0.5	0.02	0.8	--	0.6	0.01	0.01	--	0.06	0.04	0.002	0.07	--	0.06	0.001	0.2	0.6	0.7	0.5	0.1	2	0.7	3	0.2	0.05	0.2	0.09	0.05	0.03	0.7	0.3	1	0.2
ADA-177	0.1	--	0.4	0.4	0.01	0.6	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.06	--	0.04	0.0007	0.2	0.6	0.5	0.4	0.09	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-178	0.1	--	0.4	0.4	0.02	0.5	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.05	--	0.04	0.0007	0.2	0.6	0.5	0.4	0.09	2	0.7	3	0.2	0.05	0.2	0.07	0.04	0.03	0.7	0.3	1	0.2
ADA-179	0.1	--	0.2	0.3	0.03	0.5	--	0.4	0.02	0.01	--	0.02	0.03	0.002	0.05	--	0.04	0.002	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
ADA-180	0.1	--	0.3	0.3	0.04	0.6	--	0.5	0.05	0.01	--	0.02	0.03	0.004	0.05	--	0.05	0.005	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
ADA-181	0.1	--	0.2	0.3	0.04	0.6	--	0.6	0.04	0.01	--	0.02	0.02	0.004	0.05	--	0.05	0.004	0.2	0.6	0.3	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.05	0.03	0.03	0.7	0.3	1	0.2
ADA-182	0.1	--	0.3	0.3	0.03	0.5	--	0.4	0.05	0.01	--	0.03	0.03	0.003	0.04	--	0.04	0.005	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.2	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2
ADA-183	0.2	--	0.3	0.3	0.09	0.4	--	0.6	0.2	0.02	--	0.02	0.02	0.008	0.04	--	0.06	0.02	0.3	0.6	0.3	0.3	0.2	1	0.7	3	0.4	0.06	0.2	0.06	0.03	0.04	0.7	0.3	1	0.2
ADA-184	0.1	--	0.3	0.3	0.03	0.6	--	0.4	0.09	0.01	--	0.03	0.02	0.003	0.06	--	0.04	0.009	0.2	0.6	0.4	0.3	0.1	2	0.7	3	0.3	0.05	0.2	0.06	0.03	0.03	0.7	0.3	1	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-39. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Northern Pike

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
Indoor Air	--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																
Outdoor Air	--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02	**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**									**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Northern Pike)	ND	1	NA	NA	0.1	1	NA	1	--	ND	0.4	NA	NA	0.05	0.5	NA	0.5	--																
Upland Soil/Dust[a]	**Number of ADAs that exceed benchmark[c] for Soil/Dust:**									**Number of ADAs that exceed benchmark[c] for Soil/Dust:**																										
ADA	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	142	0	142	0	0	0	0	0	0	0	0	0
ADA-001	0.2	--	0.4	0.3	0.07	0.5	--	0.8	0.09	0.03	--	0.04	0.03	0.007	0.05	--	0.08	0.009	0.2	1	0.4	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.04	0.03	0.05	0.9	NA	0.6	0.2
ADA-002	0.2	--	0.3	0.4	0.06	0.4	--	0.6	0.04	0.02	--	0.03	0.03	0.006	0.04	--	0.06	0.004	0.2	1	0.3	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-004	0.2	--	0.2	0.3	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.03	0.007	0.05	--	0.06	0.007	0.2	1	0.2	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
ADA-005	0.3	--	0.3	0.4	0.08	0.4	--	0.8	0.04	0.03	--	0.03	0.03	0.008	0.04	--	0.08	0.004	0.3	1	0.3	0.4	0.2	2	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-006	0.3	--	0.3	0.3	0.09	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.008	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
ADA-008	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.03	0.03	0.01	0.04	--	0.08	0.007	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
ADA-010	0.5	--	0.4	0.4	0.1	1	--	1	0.1	0.05	--	0.04	0.03	0.01	0.1	--	0.1	0.01	0.5	1	0.4	0.4	0.3	3	NA	2	0.3	0.05	0.4	0.04	0.03	0.06	0.9	NA	0.6	0.2
ADA-015	0.2	--	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	--	0.02	0.02	0.004	0.04	--	0.05	0.004	0.2	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
ADA-016	0.2	--	0.2	0.2	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.02	0.007	0.04	--	0.06	0.007	0.2	1	0.2	0.2	0.2	2	NA	2	0.3	0.03	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
ADA-017	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.02	0.03	0.01	0.04	--	0.08	0.008	0.3	1	0.2	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
ADA-018	0.2	--	0.2	0.3	0.2	0.4	--	0.8	0.09	0.02	--	0.02	0.02	0.01	0.04	--	0.08	0.009	0.2	1	0.2	0.3	0.3	2	NA	2	0.3	0.02	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
ADA-019	0.2	--	0.4	0.4	0.04	0.5	--	0.6	0.04	0.03	--	0.04	0.04	0.004	0.05	--	0.06	0.004	0.2	1	0.4	0.4	0.2	2	NA	2	0.2	0.03	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
ADA-020	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-021	0.4	--	0.8	0.5	0.05	0.6	--	0.7	0.04	0.05	--	0.07	0.05	0.005	0.05	--	0.07	0.004	0.4	1	0.8	0.5	0.2	2	NA	2	0.2	0.05	0.4	0.07	0.05	0.05	0.9	NA	0.6	0.2
ADA-023	0.3	--	0.3	0.3	0.07	0.4	--	0.8	0.09	0.03	--	0.03	0.03	0.007	0.03	--	0.08	0.009	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-024	0.4	--	0.2	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	0.4	1	0.2	0.3	0.3	2	NA	2	0.3	0.05	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
ADA-025	0.3	--	0.2	0.2	0.05	0.5	--	0.6	0.09	0.03	--	0.02	0.02	0.005	0.05	--	0.06	0.009	0.3	1	0.2	0.2	0.2	2	NA	2	0.3	0.03	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
ADA-026	0.2	--	0.2	0.3	0.05	0.4	--	0.5	0.07	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.007	0.2	1	0.2	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
ADA-028	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.03	--	0.02	0.02	0.006	0.04	--	0.06	0.005	0.2	1	0.2	0.2	0.2	2	NA	2	0.2	0.03	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
ADA-033	0.2	--	0.2	0.3	0.02	0.7	--	0.6	0.05	0.02	--	0.02	0.02	0.002	0.06	--	0.06	0.005	0.2	1	0.2	0.3	0.1	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
ADA-034	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-035	0.2	--	0.2	0.3	0.04	0.6	--	0.6	0.06	0.03	--	0.02	0.03	0.004	0.06	--	0.06	0.006	0.2	1	0.2	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
ADA-039	0.1	--	0.2	0.3	0.02	0.5	--	0.4	0.05	0.01	--	0.02	0.02	0.002	0.05	--	0.04	0.005	0.1	1	0.2	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
ADA-042	0.1	--	0.2	0.3	0.04	0.4	--	0.4	0.02	0.02	--	0.02	0.03	0.004	0.04	--	0.04	0.002	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
ADA-043	0.2	--	0.6	0.5	0.08	0.7	--	0.6	0.08	0.02	--	0.05	0.04	0.007	0.07	--	0.06	0.008	0.2	1	0.6	0.5	0.2	2	NA	2	0.3	0.02	0.4	0.05	0.04	0.05	0.9	NA	0.6	0.2
ADA-044	0.2	--	0.5	0.4	0.04	0.8	--	0.8	0.2	0.03	--	0.05	0.04	0.004	0.07	--	0.08	0.02	0.2	1	0.5	0.4	0.2	2	NA	2	0.4	0.03	0.4	0.05	0.04	0.05	0.9	NA	0.6	0.2
ADA-045	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.1	0.01	0.4	1	0.3	0.3	0.2	2	NA	2	0.3	0.05	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
ADA-046	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.02	--	0.02	0.02	0.005	0.04	--	0.06	0.005	0.2	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
ADA-047	0.3	--	0.3	0.3	0.1	0.6	--	0.9	0.09	0.03	--	0.03	0.03	0.009	0.06	--	0.09	0.009	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
ADA-048	0.2	--	0.4	0.4	0.05	0.7	--	0.5	0.06	0.02	--	0.04	0.04	0.005	0.07	--	0.05	0.006	0.2	1	0.4	0.4	0.2	2	NA	2	0.3	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
ADA-049	0.2	--	0.3	0.3	0.02	0.7	--	0.6	0.06	0.02	--	0.03	0.03	0.002	0.07	--	0.06	0.006	0.2	1	0.3	0.3	0.1	2	NA	2	0.3	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-050	0.4	--	0.5	0.4	0.1	0.6	--	1	0.1	0.04	--	0.05	0.04	0.01	0.06	--	0.1	0.01	0.4	1	0.5	0.4	0.2	2	NA	3	0.3	0.04	0.4	0.05	0.04	0.06	0.9	NA	0.6	0.2
ADA-051	0.1	--	0.3	0.3	0.03	0.6	--	0.5	0.1	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.01	0.1	1	0.3	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-052	0.3	--	0.4	0.3	0.1	0.6	--	0.9	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.09	0.01	0.3	1	0.4	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
ADA-053	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.002	0.07	--	0.05	0.002	0.1	1	0.3	0.3	0.1	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-054	0.5	--	0.3	0.3	0.2	0.7	--	1	0.2	0.06	--	0.03	0.03	0.02	0.07	--	0.1	0.02	0.5	1	0.3	0.3	0.3	2	NA	2	0.4	0.06	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
ADA-055	0.3	--	0.3	0.4	0.07	0.8	--	0.8	0.1	0.03	--	0.03	0.03	0.007	0.08	--	0.08	0.01	0.3	1	0.3	0.4	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-056	0.2	--	0.4	0.4	0.02	0.8	--	0.5	0.02	0.02	--	0.04	0.04	0.002	0.08	--	0.05	0.002	0.2	1	0.4	0.4	0.1	2	NA	2	0.2	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
ADA-057	0.2	--	0.5	0.4	0.05	0.7	--	0.6	0.04	0.02	--	0.05	0.04	0.004	0.06	--	0.06	0.004	0.2	1	0.5	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.05	0.04	0.05	0.9	NA	0.6	0.2
ADA-058	0.1	--	0.3	0.4	0.02	0.6	--	0.4	0.02	0.01	--	0.03	0.03	0.002	0.06	--	0.03	0.002	0.1	1	0.3	0.4	0.1	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
ADA-059	0.1	--	0.4	0.4	0.04	0.9	--	0.5	0.04	0.02	--	0.04	0.04	0.004	0.08	--	0.05	0.004	0.1	1	0.4	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
ADA-060	0.5	--	0.6	0.4	0.1	0.7	--	1	0.1	0.05	--	0.05	0.04	0.01	0.07	--	0.1	0.01	0.5	1	0.6	0.4	0.2	2	NA	3	0.3	0.05	0.4	0.05	0.04	0.06	0.9	NA	0.6	0.2
ADA-061	0.2	--	0.6	0.5	0.02	1	--	0.6	0.03	0.02	--	0.05	0.04	0.002	0.1	--	0.06	0.003	0.2	1	0.6	0.5	0.1	3	NA	2	0.2	0.02	0.4	0.05	0.04	0.05	0.9	NA	0.6	0.2
ADA-062	0.3	--	0.3	0.3	0.08	0.7	--	0.9	0.09	0.04	--	0.03	0.03	0.008	0.06	--	0.09	0.01	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.04	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-063	0.2	--	0.3	0.3	0.04	0.7	--	0.5	0.07	0.02	--	0.03	0.03	0.004	0.07	--	0.05	0.007	0.2	1	0.3	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-064	0.2	--	0.5	0.4	0.03	1	--	0.7	0.03	0.03	--	0.04	0.04	0.003	0.1	--	0.07	0.003	0.2	1	0.5	0.4	0.2	3	NA	2	0.2	0.03	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
ADA-065	0.3	--	0.3	0.3	0.1	0.7	--	0.9	0.1	0.04	--	0.03	0.03	0.01	0.07	--	0.09	0.01	0.3	1	0.3	0.3	0.3	2	NA	2	0.3	0.04	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
ADA-066	0.2	--	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.005	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
ADA-067	0.2	--	0.4	0.4	0.03	0.7	--	0.5	0.09	0.02	--	0.04	0.04	0.003	0.07	--	0.05	0.009	0.2	1	0.4	0.4	0.2	2	NA	2	0.3	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
ADA-070	0.3	--	0.4	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.006	0.3	1	0.4	0.3	0.2	2	NA	2	0.2	0.04	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-071	0.3	--	0.3	0.3	0.09	0.6	--	0.7	0.06	0.03	--	0.03	0.03	0.008	0.05	--	0.07	0.006	0.3	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-073	0.4	--	0.3	0.3	0.1	0.6	--	0.8	0.06	0.04	--	0.03	0.03	0.01	0.06	--	0.08	0.006	0.4	1	0.3	0.3	0.3	2	NA	2	0.3	0.04	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
ADA-076	0.4	--	0.3	0.3	0.1	0.6	--	0.9	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.09	0.01	0.4	1	0.3	0.3	0.2	2	NA	2	0.3	0.05	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
ADA-078	0.3	--	0.3	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.009	0.07	--	0.08	0.007	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.04	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
ADA-079	0.2	--	0.2	0.2	0.06	0.6	--	0.5	0.1	0.02	--	0.02	0.02	0.006	0.05	--	0.05	0.01	0.2	1	0.2	0.2	0.2	2	NA	2	0.3	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
ADA-081	0.3	--	0.3	0.4	0.09	0.6	--	0.7	0.04	0.03	--	0.03	0.04	0.008	0.06	--	0.07	0.004	0.3	1	0.3	0.4	0.2	2	NA	2	0.2	0.03	0.4	0.03	0.04	0.05	0.9	NA	0.6	0.2
ADA-082	0.2	--	0.3	0.3	0.06	0.6	--	0.6	0.04	0.03	--	0.03	0.03	0.006	0.05	--	0.06	0.004	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-084	0.2	--	0.4	0.4	0.05	0.8	--	0.6	0.04	0.02	--	0.04	0.04	0.005	0.08	--	0.06	0.004	0.2	1	0.4	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2

Table 5-39. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Northern Pike

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-085	0.2	--	0.3	0.4	0.04	0.7	--	0.6	0.05	0.02	--	0.03	0.03	0.004	0.06	--	0.06	0.005	0.2	1	0.3	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-088	0.3	--	0.5	0.4	0.09	1	--	0.9	0.09	0.04	--	0.05	0.04	0.009	0.1	--	0.09	0.009	0.3	1	0.5	0.4	0.2	3	NA	2	0.3	0.04	0.4	0.05	0.04	0.05	0.9	NA	0.6	0.2
ADA-089	0.4	--	0.5	0.4	0.09	1	--	0.9	0.08	0.05	--	0.04	0.04	0.009	0.1	--	0.09	0.008	0.4	1	0.5	0.4	0.2	3	NA	2	0.3	0.05	0.4	0.04	0.04	0.06	0.9	NA	0.6	0.2
ADA-090	0.2	--	0.4	0.4	0.08	0.9	--	0.7	0.07	0.02	--	0.03	0.03	0.007	0.08	--	0.07	0.007	0.2	1	0.4	0.4	0.2	3	NA	2	0.3	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-091	0.3	--	0.4	0.3	0.08	0.7	--	0.8	0.09	0.04	--	0.04	0.03	0.007	0.07	--	0.08	0.009	0.3	1	0.4	0.3	0.2	2	NA	2	0.3	0.04	0.4	0.04	0.03	0.05	0.9	NA	0.6	0.2
ADA-092	0.3	--	0.3	0.3	0.05	0.8	--	0.8	0.08	0.04	--	0.03	0.03	0.005	0.08	--	0.08	0.008	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.04	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-093	0.3	--	0.3	0.3	0.04	0.9	--	0.7	0.04	0.03	--	0.03	0.03	0.004	0.09	--	0.07	0.004	0.3	1	0.3	0.3	0.2	3	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-094	0.2	--	0.3	0.4	0.03	0.6	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	0.2	1	0.3	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-095	0.3	--	0.5	0.4	0.05	0.9	--	0.7	0.03	0.03	--	0.04	0.04	0.005	0.08	--	0.07	0.003	0.3	1	0.5	0.4	0.2	2	NA	2	0.2	0.03	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
ADA-096	0.3	--	0.3	0.3	0.08	0.8	--	0.7	0.08	0.03	--	0.03	0.03	0.008	0.08	--	0.07	0.008	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-097	0.4	--	0.4	0.4	0.1	0.9	--	1	0.1	0.05	--	0.04	0.03	0.01	0.09	--	0.1	0.01	0.4	1	0.4	0.4	0.3	3	NA	2	0.3	0.05	0.4	0.04	0.03	0.06	0.9	NA	0.6	0.2
ADA-099	0.4	--	0.4	0.4	0.07	1	--	0.9	0.06	0.04	--	0.04	0.04	0.007	0.09	--	0.09	0.006	0.4	1	0.4	0.4	0.2	3	NA	2	0.3	0.04	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
ADA-101	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.04	0.03	--	0.03	0.03	0.009	0.05	--	0.07	0.004	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
ADA-102	0.2	--	0.3	0.4	0.04	0.7	--	0.5	0.03	0.02	--	0.03	0.03	0.004	0.06	--	0.05	0.003	0.2	1	0.3	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-103	0.2	--	0.5	0.5	0.06	1	--	0.6	0.05	0.03	--	0.05	0.04	0.006	0.1	--	0.06	0.005	0.2	1	0.5	0.5	0.2	3	NA	2	0.2	0.03	0.4	0.05	0.04	0.05	0.9	NA	0.6	0.2
ADA-104	0.1	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.06	--	0.04	0.002	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
ADA-105	0.3	--	0.4	0.4	0.07	0.7	--	0.7	0.07	0.03	--	0.04	0.03	0.006	0.06	--	0.07	0.007	0.3	1	0.4	0.4	0.2	2	NA	2	0.3	0.03	0.4	0.04	0.03	0.05	0.9	NA	0.6	0.2
ADA-106	0.1	--	0.3	0.3	0.04	0.7	--	0.4	0.03	0.02	--	0.03	0.03	0.003	0.06	--	0.04	0.003	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
ADA-107	0.2	--	0.5	0.4	0.03	1	--	0.7	0.05	0.03	--	0.05	0.03	0.003	0.09	--	0.07	0.005	0.2	1	0.5	0.4	0.2	3	NA	2	0.2	0.03	0.4	0.05	0.03	0.05	0.9	NA	0.6	0.2
ADA-108	0.2	--	0.4	0.3	0.06	0.6	--	0.6	0.06	0.02	--	0.04	0.03	0.005	0.06	--	0.06	0.006	0.2	1	0.4	0.3	0.2	2	NA	2	0.3	0.02	0.4	0.04	0.03	0.05	0.9	NA	0.6	0.2
ADA-109	0.3	--	0.3	0.3	0.1	0.6	--	0.8	0.09	0.04	--	0.03	0.03	0.01	0.05	--	0.08	0.009	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.04	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
ADA-110	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.07	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.007	0.2	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
ADA-111	0.2	--	0.4	0.4	0.03	0.8	--	0.6	0.03	0.02	--	0.04	0.04	0.003	0.07	--	0.06	0.003	0.2	1	0.4	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
ADA-112	0.2	--	0.4	0.4	0.03	1	--	0.5	0.04	0.02	--	0.03	0.04	0.003	0.09	--	0.05	0.004	0.2	1	0.4	0.4	0.2	3	NA	2	0.2	0.02	0.4	0.03	0.04	0.05	0.9	NA	0.6	0.2
ADA-113	0.2	--	0.3	0.3	0.03	1	--	0.6	0.03	0.02	--	0.03	0.03	0.003	0.09	--	0.06	0.004	0.2	1	0.3	0.3	0.2	3	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-114	0.3	--	0.3	0.3	0.02	0.9	--	0.6	0.03	0.03	--	0.03	0.03	0.002	0.08	--	0.06	0.003	0.3	1	0.3	0.3	0.1	3	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-115	0.2	--	0.3	0.3	0.04	0.6	--	0.5	0.03	0.02	--	0.02	0.03	0.004	0.06	--	0.05	0.003	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
ADA-116	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.02	0.03	--	0.02	0.03	0.004	0.05	--	0.05	0.002	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.02	0.03	0.05	0.9	NA	0.6	0.2
ADA-117	0.3	--	0.3	0.3	0.06	0.8	--	0.6	0.05	0.03	--	0.03	0.03	0.006	0.07	--	0.06	0.005	0.3	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-118	0.2	--	0.4	0.4	0.05	0.9	--	0.6	0.06	0.03	--	0.03	0.03	0.004	0.09	--	0.06	0.006	0.2	1	0.4	0.4	0.2	3	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-119	0.2	--	0.3	0.3	0.05	0.7	--	0.6	0.05	0.03	--	0.03	0.03	0.005	0.06	--	0.06	0.005	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-121	0.3	--	0.4	0.4	0.07	0.9	--	0.8	0.07	0.03	--	0.04	0.04	0.007	0.08	--	0.08	0.007	0.3	1	0.4	0.4	0.2	2	NA	2	0.3	0.03	0.4	0.04	0.04	0.05	0.9	NA	0.6	0.2
ADA-122	0.1	--	0.3	0.3	0.02	0.7	--	0.4	0.02	0.02	--	0.03	0.03	0.002	0.06	--	0.04	0.002	0.1	1	0.3	0.3	0.1	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
ADA-124	0.2	--	0.2	0.2	0.08	0.3	--	0.5	0.03	0.02	--	0.01	0.02	0.007	0.03	--	0.05	0.003	0.2	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.01	0.02	0.05	0.9	NA	0.6	0.2
ADA-125	0.3	--	0.2	0.2	0.05	0.4	--	0.6	0.02	0.03	--	0.02	0.02	0.005	0.03	--	0.06	0.002	0.3	1	0.2	0.2	0.2	2	NA	2	0.2	0.03	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
ADA-126	0.4	--	0.2	0.2	0.09	0.5	--	0.9	0.09	0.05	--	0.02	0.02	0.009	0.04	--	0.09	0.009	0.4	1	0.2	0.2	0.2	2	NA	2	0.3	0.05	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
ADA-127	0.3	--	0.5	0.4	0.07	0.6	--	0.7	0.08	0.04	--	0.04	0.03	0.006	0.06	--	0.07	0.008	0.3	1	0.5	0.4	0.2	2	NA	2	0.3	0.04	0.4	0.04	0.03	0.05	0.9	NA	0.6	0.2
ADA-128	0.2	--	0.2	0.2	0.1	0.3	--	0.7	0.1	0.03	--	0.01	0.02	0.01	0.03	--	0.07	0.01	0.2	1	0.2	0.2	0.2	2	NA	2	0.3	0.03	0.4	0.01	0.02	0.06	0.9	NA	0.6	0.2
ADA-131	0.4	--	0.2	0.3	0.1	0.5	--	0.9	0.09	0.04	--	0.02	0.02	0.01	0.04	--	0.09	0.009	0.4	1	0.2	0.3	0.3	2	NA	2	0.3	0.04	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
ADA-132	0.1	--	0.2	0.2	0.04	0.2	--	0.5	0.03	0.02	--	0.02	0.02	0.004	0.02	--	0.05	0.003	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
ADA-133	0.3	--	0.3	0.3	0.09	0.6	--	0.8	0.08	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.008	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.04	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-135	0.1	--	0.2	0.3	0.04	0.3	--	0.4	0.04	0.01	--	0.02	0.02	0.004	0.03	--	0.04	0.004	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
ADA-136	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.05	--	0.08	0.01	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
ADA-139	0.3	--	0.3	0.3	0.08	0.5	--	0.7	0.06	0.03	--	0.03	0.03	0.007	0.05	--	0.07	0.006	0.3	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-140	0.4	--	0.2	0.3	0.1	0.3	--	1	0.1	0.04	--	0.02	0.03	0.01	0.02	--	0.1	0.01	0.4	1	0.2	0.3	0.3	2	NA	2	0.3	0.04	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
ADA-141	0.3	--	0.3	0.3	0.05	0.6	--	0.7	0.04	0.03	--	0.03	0.03	0.005	0.06	--	0.07	0.004	0.3	1	0.3	0.3	0.2	2	NA	2	0.2	0.03	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-142	0.4	--	0.2	0.3	0.2	0.6	--	1	0.2	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.02	0.4	1	0.2	0.3	0.3	2	NA	2	0.3	0.04	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
ADA-143	0.3	--	0.3	0.3	0.1	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.01	0.05	--	0.07	0.008	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
ADA-144	0.8	--	0.2	0.3	0.4	0.7	--	2	0.2	0.09	--	0.02	0.03	0.04	0.07	--	0.2	0.02	0.8	1	0.2	0.3	0.5	2	NA	3	0.4	0.09	0.4	0.02	0.03	0.08	0.9	NA	0.7	0.2
ADA-145	0.3	--	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.08	0.01	0.3	1	0.3	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
ADA-146	0.4	--	0.3	0.3	0.1	0.5	--	0.9	0.1	0.04	--	0.02	0.03	0.01	0.05	--	0.09	0.01	0.4	1	0.3	0.3	0.2	2	NA	2	0.3	0.04	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
ADA-147	0.5	--	0.2	0.3	0.3	0.4	--	1	0.1	0.06	--	0.02	0.02	0.03	0.04	--	0.1	0.01	0.5	1	0.2	0.3	0.5	2	NA	3	0.3	0.06	0.4	0.02	0.02	0.08	0.9	NA	0.6	0.2
ADA-148	0.3	--	0.2	0.2	0.1	0.3	--	0.9	0.08	0.03	--	0.02	0.02	0.009	0.03	--	0.09	0.008	0.3	1	0.2	0.2	0.2	2	NA	2	0.3	0.03	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
ADA-150	0.5	--	0.2	0.3	0.2	0.4	--	1	0.1	0.05	--	0.02	0.02	0.02	0.04	--	0.1	0.01	0.5	1	0.2	0.3	0.3	2	NA	3	0.3	0.05	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
ADA-151	0.3	--	0.2	0.3	0.1	0.2	--	1	0.06	0.04	--	0.02	0.02	0.01	0.02	--	0.1	0.006	0.3	1	0.2	0.3	0.3	2	NA	2	0.3	0.04	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
ADA-152	0.5	--	0.3	0.4	0.08	0.6	--	1	0.07	0.06	--	0.03	0.04	0.007	0.06	--	0.1	0.007	0.5	1	0.3	0.4	0.2	2	NA	2	0.3	0.06	0.4	0.03	0.04	0.05	0.9	NA	0.6	0.2
ADA-153	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.01	0.06	--	0.1	0.01	0.4	1	0.3	0.3	0.2	2	NA	2	0.3	0.05	0.4	0.03	0.03	0.06	0.9	NA	0.6	0.2
ADA-154	0.4	--	0.4	0.3	0.1	0.6	--	0.9	0.09	0.04	--	0.04	0.03	0.01	0.06	--	0.09	0.009	0.4	1	0.4	0.3	0.2	2	NA	2	0.3	0.04	0.4	0.04	0.03	0.06	0.9	NA	0.6	0.2
ADA-155	0.3	--	0.2	0.2	0.1	0.5	--	0.8	0.07	0.04	--	0.02	0.02	0.01	0.05	--	0.08	0.007	0.3	1	0.2	0.2	0.3	2	NA	2	0.3	0.04	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
ADA-156	0.2	--	0.2	0.3	0.1	0.4	--	0.7	0.06	0.03	--	0.02	0.03	0.01	0.04	--	0.07	0.007	0.2	1	0.2	0.3	0.3	2	NA	2	0.3	0.03	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
ADA-158	0.4	--	0.2	0.3	0.2	0.3	--	0.9	0.08	0.04	--	0.02	0.02	0.02	0.03	--	0.09	0.008	0.4	1	0.2	0.3	0.3	2	NA	2	0.3	0.04	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
ADA-159	0.4	--	0.4	0.3	0.2	0.7	--	0.9	0.1	0.04	--	0.04	0.03	0.02	0.06	--	0.09	0.01	0.4	1	0.4	0.3	0.3	2	NA	2	0.3	0.04	0.4	0.04	0.03	0.06	0.9	NA	0.6	0.2

Table 5-39. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Northern Pike

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									**Adult**									**Child**									**Adult**								
ADA																																		
ADA-160	0.4	--	0.2	0.2	0.1	0.4	--	0.8	0.08	0.04	--	0.02	0.02	0.01	0.04	--	0.08	0.008	0.4	1	0.2	0.2	0.2	2	NA	2	0.3	0.04	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
ADA-161	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	--	0.02	0.02	0.01	0.05	--	0.08	0.009	0.3	1	0.2	0.3	0.2	2	NA	2	0.3	0.03	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
ADA-162	0.5	--	0.2	0.3	0.4	0.4	--	2	0.2	0.06	--	0.02	0.02	0.04	0.04	--	0.2	0.02	0.5	1	0.2	0.3	0.5	2	NA	3	0.4	0.06	0.4	0.02	0.02	0.08	0.9	NA	0.7	0.2
ADA-164	0.4	--	0.3	0.3	0.2	0.5	--	1	0.1	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.01	0.4	1	0.3	0.3	0.3	2	NA	2	0.3	0.04	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
ADA-165	0.4	--	0.3	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	0.4	1	0.3	0.3	0.3	2	NA	2	0.3	0.05	0.4	0.02	0.02	0.06	0.9	NA	0.6	0.2
ADA-168	0.4	--	0.2	0.3	0.1	0.5	--	1	0.09	0.05	--	0.02	0.03	0.01	0.04	--	0.1	0.009	0.4	1	0.2	0.3	0.3	2	NA	2	0.3	0.05	0.4	0.02	0.03	0.06	0.9	NA	0.6	0.2
ADA-169	0.1	--	0.3	0.4	0.01	0.6	--	0.3	0.007	0.01	--	0.03	0.03	0.001	0.05	--	0.03	0.0007	0.1	1	0.3	0.4	0.1	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
ADA-170	0.2	--	0.3	0.4	0.03	0.5	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.002	0.2	1	0.3	0.4	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-171	0.2	--	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	1	0.3	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.03	0.03	0.05	0.9	NA	0.6	0.2
ADA-172	0.09	--	0.2	0.3	0.02	0.5	--	0.3	0.006	0.01	--	0.02	0.02	0.002	0.05	--	0.03	0.0006	0.09	1	0.2	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
ADA-173	0.2	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.05	--	0.04	0.002	0.2	1	0.2	0.3	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
ADA-174	0.1	--	0.2	0.2	0.03	0.6	--	0.4	0.03	0.02	--	0.02	0.02	0.003	0.06	--	0.04	0.003	0.1	1	0.2	0.2	0.2	2	NA	2	0.2	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.5	0.2
ADA-175	0.1	--	0.4	0.3	0.02	0.7	--	0.4	0.01	0.01	--	0.03	0.03	0.002	0.07	--	0.04	0.001	0.1	1	0.4	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
ADA-176	0.1	--	0.6	0.5	0.02	0.8	--	0.6	0.01	0.01	--	0.06	0.04	0.002	0.07	--	0.06	0.001	0.1	1	0.6	0.5	0.1	2	NA	2	0.2	0.01	0.4	0.06	0.04	0.05	0.9	NA	0.6	0.2
ADA-177	0.1	--	0.4	0.4	0.01	0.6	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.06	--	0.04	0.0007	0.1	1	0.4	0.4	0.1	2	NA	2	0.2	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.5	0.2
ADA-178	0.1	--	0.4	0.4	0.02	0.5	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.05	--	0.04	0.0007	0.1	1	0.4	0.4	0.1	2	NA	2	0.2	0.02	0.4	0.04	0.04	0.05	0.9	NA	0.5	0.2
ADA-179	0.1	--	0.2	0.3	0.03	0.5	--	0.4	0.02	0.01	--	0.02	0.03	0.002	0.05	--	0.04	0.002	0.1	1	0.2	0.3	0.1	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
ADA-180	0.1	--	0.3	0.3	0.04	0.6	--	0.5	0.05	0.01	--	0.02	0.03	0.004	0.05	--	0.05	0.005	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.03	0.05	0.9	NA	0.5	0.2
ADA-181	0.1	--	0.2	0.3	0.04	0.6	--	0.6	0.04	0.01	--	0.02	0.02	0.004	0.05	--	0.05	0.004	0.1	1	0.2	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
ADA-182	0.1	--	0.3	0.3	0.03	0.5	--	0.4	0.05	0.01	--	0.03	0.03	0.003	0.04	--	0.04	0.005	0.1	1	0.3	0.3	0.2	2	NA	2	0.2	0.01	0.4	0.03	0.03	0.05	0.9	NA	0.5	0.2
ADA-183	0.2	--	0.3	0.3	0.09	0.4	--	0.6	0.2	0.02	--	0.02	0.02	0.008	0.04	--	0.06	0.02	0.2	1	0.3	0.3	0.2	2	NA	2	0.4	0.02	0.4	0.02	0.02	0.05	0.9	NA	0.6	0.2
ADA-184	0.1	--	0.3	0.3	0.03	0.6	--	0.4	0.09	0.01	--	0.03	0.02	0.003	0.06	--	0.04	0.009	0.1	1	0.3	0.3	0.2	2	NA	2	0.3	0.01	0.4	0.03	0.02	0.05	0.9	NA	0.5	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-40. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Rainbow Trout

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
Indoor Air	--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																
Outdoor Air	--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02	**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**									**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Rainbow Trout)	0.08	0.8	0.07	0.03	0.09	0.9	1	2	--	0.03	0.3	0.03	0.01	0.04	0.3	0.5	0.9	--																
Upland Soil/Dust[a]	**Number of ADAs that exceed benchmark[c] for Soil/Dust:**									**Number of ADAs that exceed benchmark[c] for Soil/Dust:**																										
ADA	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	142	0	142	0	0	0	0	0	0	0	0	0
ADA-001	0.2	--	0.4	0.3	0.07	0.5	--	0.8	0.09	0.03	--	0.04	0.03	0.007	0.05	--	0.08	0.009	0.3	0.8	0.5	0.4	0.2	2	1	3	0.3	0.06	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-002	0.2	--	0.3	0.4	0.06	0.4	--	0.6	0.04	0.02	--	0.03	0.03	0.006	0.04	--	0.06	0.004	0.3	0.8	0.4	0.4	0.2	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-004	0.2	--	0.2	0.3	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.03	0.007	0.05	--	0.06	0.007	0.3	0.8	0.3	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-005	0.3	--	0.3	0.4	0.08	0.4	--	0.8	0.04	0.03	--	0.03	0.03	0.008	0.04	--	0.08	0.004	0.4	0.8	0.4	0.4	0.2	2	1	3	0.2	0.06	0.3	0.06	0.05	0.04	0.7	0.5	1	0.2
ADA-006	0.3	--	0.3	0.3	0.09	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.008	0.3	0.8	0.3	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-008	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.03	0.03	0.01	0.04	--	0.08	0.007	0.4	0.8	0.3	0.4	0.2	2	1	3	0.3	0.07	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-010	0.5	--	0.4	0.4	0.1	1	--	1	0.1	0.05	--	0.04	0.03	0.01	0.1	--	0.1	0.01	0.6	0.8	0.5	0.4	0.2	2	1	4	0.3	0.08	0.3	0.06	0.05	0.05	0.8	0.5	1	0.2
ADA-015	0.2	--	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	--	0.02	0.02	0.004	0.04	--	0.05	0.004	0.2	0.8	0.3	0.2	0.1	2	1	3	0.2	0.05	0.3	0.04	0.03	0.04	0.8	0.5	1	0.2
ADA-016	0.2	--	0.2	0.2	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.02	0.007	0.04	--	0.06	0.007	0.3	0.8	0.3	0.3	0.2	2	1	3	0.3	0.06	0.3	0.04	0.03	0.04	0.8	0.5	1	0.2
ADA-017	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.02	0.03	0.01	0.04	--	0.08	0.008	0.4	0.8	0.3	0.3	0.2	2	1	3	0.3	0.07	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
ADA-018	0.2	--	0.2	0.3	0.2	0.4	--	0.8	0.09	0.02	--	0.02	0.02	0.01	0.04	--	0.08	0.009	0.3	0.8	0.3	0.3	0.2	2	1	3	0.3	0.05	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
ADA-019	0.2	--	0.4	0.4	0.04	0.5	--	0.6	0.04	0.03	--	0.04	0.04	0.004	0.05	--	0.06	0.004	0.3	0.8	0.5	0.5	0.1	2	1	3	0.2	0.06	0.3	0.06	0.05	0.04	0.8	0.5	1	0.2
ADA-020	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-021	0.4	--	0.8	0.5	0.05	0.6	--	0.7	0.04	0.05	--	0.07	0.05	0.005	0.05	--	0.07	0.004	0.5	0.8	0.8	0.5	0.1	2	1	3	0.2	0.08	0.3	0.1	0.06	0.04	0.8	0.5	1	0.2
ADA-023	0.3	--	0.3	0.3	0.07	0.4	--	0.8	0.09	0.03	--	0.03	0.03	0.007	0.03	--	0.08	0.009	0.4	0.8	0.4	0.3	0.2	2	1	3	0.3	0.06	0.3	0.06	0.04	0.04	0.7	0.5	1	0.2
ADA-024	0.4	--	0.2	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	0.5	0.8	0.3	0.3	0.2	2	1	3	0.3	0.08	0.3	0.04	0.04	0.05	0.8	0.5	1	0.2
ADA-025	0.3	--	0.2	0.2	0.05	0.5	--	0.6	0.09	0.03	--	0.02	0.02	0.005	0.05	--	0.06	0.009	0.3	0.8	0.3	0.3	0.1	2	1	3	0.3	0.06	0.3	0.04	0.03	0.04	0.8	0.5	1	0.2
ADA-026	0.2	--	0.2	0.3	0.05	0.4	--	0.5	0.07	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.007	0.2	0.8	0.3	0.3	0.1	2	1	3	0.3	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-028	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.03	--	0.02	0.02	0.006	0.04	--	0.06	0.005	0.3	0.8	0.3	0.3	0.2	2	1	3	0.2	0.06	0.3	0.04	0.03	0.04	0.7	0.5	1	0.2
ADA-033	0.2	--	0.2	0.3	0.02	0.7	--	0.6	0.05	0.02	--	0.02	0.02	0.002	0.06	--	0.06	0.005	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-034	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-035	0.2	--	0.2	0.3	0.04	0.6	--	0.6	0.06	0.03	--	0.02	0.03	0.004	0.06	--	0.06	0.006	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.06	0.3	0.04	0.04	0.04	0.8	0.5	1	0.2
ADA-039	0.1	--	0.2	0.3	0.02	0.5	--	0.4	0.05	0.01	--	0.02	0.02	0.002	0.05	--	0.04	0.005	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.8	0.5	0.9	0.2
ADA-042	0.1	--	0.2	0.3	0.04	0.4	--	0.4	0.02	0.02	--	0.02	0.03	0.004	0.04	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
ADA-043	0.2	--	0.6	0.5	0.08	0.7	--	0.6	0.08	0.02	--	0.05	0.04	0.007	0.07	--	0.06	0.008	0.3	0.8	0.7	0.5	0.2	2	1	3	0.3	0.05	0.3	0.08	0.06	0.04	0.8	0.5	1	0.2
ADA-044	0.2	--	0.5	0.4	0.04	0.8	--	0.8	0.2	0.03	--	0.05	0.04	0.004	0.07	--	0.08	0.02	0.3	0.8	0.6	0.4	0.1	2	1	3	0.4	0.06	0.3	0.07	0.05	0.04	0.8	0.5	1	0.2
ADA-045	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.1	0.01	0.5	0.8	0.4	0.3	0.2	2	1	3	0.3	0.08	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-046	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.02	--	0.02	0.02	0.005	0.04	--	0.06	0.005	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.04	0.03	0.04	0.7	0.5	1	0.2
ADA-047	0.3	--	0.3	0.3	0.1	0.6	--	0.9	0.09	0.03	--	0.03	0.03	0.009	0.06	--	0.09	0.009	0.4	0.8	0.4	0.4	0.2	2	1	3	0.3	0.06	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-048	0.2	--	0.4	0.4	0.05	0.7	--	0.5	0.06	0.02	--	0.04	0.04	0.005	0.07	--	0.05	0.006	0.2	0.8	0.5	0.4	0.1	2	1	3	0.3	0.05	0.3	0.06	0.05	0.04	0.8	0.5	1	0.2
ADA-049	0.2	--	0.3	0.3	0.02	0.7	--	0.6	0.06	0.02	--	0.03	0.03	0.002	0.07	--	0.06	0.006	0.2	0.8	0.4	0.4	0.1	2	1	3	0.3	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-050	0.4	--	0.5	0.4	0.1	0.6	--	1	0.1	0.04	--	0.05	0.04	0.01	0.06	--	0.1	0.01	0.5	0.8	0.6	0.4	0.2	2	1	4	0.3	0.07	0.3	0.08	0.05	0.05	0.8	0.5	1	0.2
ADA-051	0.1	--	0.3	0.3	0.03	0.6	--	0.5	0.1	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.01	0.2	0.8	0.4	0.4	0.1	2	1	3	0.3	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-052	0.3	--	0.4	0.3	0.1	0.6	--	0.9	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.09	0.01	0.4	0.8	0.4	0.4	0.2	2	1	3	0.3	0.06	0.3	0.06	0.04	0.05	0.8	0.5	1	0.2
ADA-053	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.002	0.07	--	0.05	0.002	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-054	0.5	--	0.3	0.3	0.2	0.7	--	1	0.2	0.06	--	0.03	0.03	0.02	0.07	--	0.1	0.02	0.6	0.8	0.4	0.3	0.3	2	1	4	0.4	0.09	0.3	0.06	0.04	0.05	0.8	0.5	1	0.2
ADA-055	0.3	--	0.3	0.4	0.07	0.8	--	0.8	0.1	0.03	--	0.03	0.03	0.007	0.08	--	0.08	0.01	0.3	0.8	0.4	0.4	0.2	2	1	3	0.3	0.06	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-056	0.2	--	0.4	0.4	0.02	0.8	--	0.5	0.02	0.02	--	0.04	0.04	0.002	0.08	--	0.05	0.002	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.05	0.04	0.8	0.5	1	0.2
ADA-057	0.2	--	0.5	0.4	0.05	0.7	--	0.6	0.04	0.02	--	0.05	0.04	0.004	0.06	--	0.06	0.004	0.2	0.8	0.6	0.5	0.1	2	1	3	0.2	0.05	0.3	0.07	0.05	0.04	0.8	0.5	1	0.2
ADA-058	0.1	--	0.3	0.4	0.02	0.6	--	0.4	0.02	0.01	--	0.03	0.03	0.002	0.06	--	0.03	0.002	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.06	0.05	0.04	0.8	0.5	0.9	0.2
ADA-059	0.1	--	0.4	0.4	0.04	0.9	--	0.5	0.04	0.02	--	0.04	0.04	0.004	0.08	--	0.05	0.004	0.2	0.8	0.5	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.05	0.04	0.8	0.5	1	0.2
ADA-060	0.5	--	0.6	0.4	0.1	0.7	--	1	0.1	0.05	--	0.05	0.04	0.01	0.07	--	0.1	0.01	0.6	0.8	0.6	0.4	0.2	2	1	4	0.3	0.08	0.3	0.08	0.05	0.05	0.8	0.5	1	0.2
ADA-061	0.2	--	0.6	0.5	0.02	1	--	0.6	0.03	0.02	--	0.05	0.04	0.002	0.1	--	0.06	0.003	0.2	0.8	0.6	0.5	0.1	2	1	3	0.2	0.05	0.3	0.08	0.05	0.04	0.8	0.5	1	0.2
ADA-062	0.3	--	0.3	0.3	0.08	0.7	--	0.9	0.09	0.04	--	0.03	0.03	0.008	0.06	--	0.09	0.01	0.4	0.8	0.4	0.4	0.2	2	1	3	0.3	0.07	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-063	0.2	--	0.3	0.3	0.04	0.7	--	0.5	0.07	0.02	--	0.03	0.03	0.004	0.07	--	0.05	0.007	0.3	0.8	0.4	0.4	0.1	2	1	3	0.3	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-064	0.2	--	0.5	0.4	0.03	1	--	0.7	0.03	0.03	--	0.04	0.04	0.003	0.1	--	0.07	0.003	0.3	0.8	0.5	0.5	0.1	2	1	3	0.2	0.06	0.3	0.07	0.05	0.04	0.8	0.5	1	0.2
ADA-065	0.3	--	0.3	0.3	0.1	0.7	--	0.9	0.1	0.04	--	0.03	0.03	0.01	0.07	--	0.09	0.01	0.4	0.8	0.4	0.3	0.2	2	1	3	0.3	0.07	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
ADA-066	0.2	--	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.005	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-067	0.2	--	0.4	0.4	0.03	0.7	--	0.5	0.09	0.02	--	0.04	0.04	0.003	0.07	--	0.05	0.009	0.2	0.8	0.5	0.4	0.1	2	1	3	0.3	0.05	0.3	0.06	0.05	0.04	0.8	0.5	1	0.2
ADA-070	0.3	--	0.4	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.006	0.4	0.8	0.4	0.4	0.2	2	1	3	0.2	0.07	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-071	0.3	--	0.3	0.3	0.09	0.6	--	0.7	0.06	0.03	--	0.03	0.03	0.008	0.05	--	0.07	0.006	0.3	0.8	0.4	0.4	0.2	2	1	3	0.2	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-073	0.4	--	0.3	0.3	0.1	0.6	--	0.8	0.06	0.04	--	0.03	0.03	0.01	0.06	--	0.08	0.006	0.4	0.8	0.3	0.3	0.2	2	1	3	0.3	0.07	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
ADA-076	0.4	--	0.3	0.3	0.1	0.6	--	0.9	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.09	0.01	0.5	0.8	0.4	0.4	0.2	2	1	3	0.3	0.08	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-078	0.3	--	0.3	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.009	0.07	--	0.08	0.007	0.4	0.8	0.4	0.4	0.2	2	1	3	0.3	0.07	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-079	0.2	--	0.2	0.2	0.06	0.6	--	0.5	0.1	0.02	--	0.02	0.02	0.006	0.05	--	0.05	0.01	0.3	0.8	0.3	0.3	0.2	2	1	3	0.3	0.05	0.3	0.05	0.03	0.04	0.8	0.5	1	0.2
ADA-081	0.3	--	0.3	0.4	0.09	0.6	--	0.7	0.04	0.03	--	0.03	0.04	0.008	0.06	--	0.07	0.004	0.3	0.8	0.4	0.4	0.2	2	1	3	0.2	0.06	0.3	0.06	0.05	0.04	0.8	0.5	1	0.2
ADA-082	0.2	--	0.3	0.3	0.06	0.6	--	0.6	0.04	0.03	--	0.03	0.03	0.006	0.05	--	0.06	0.004	0.3	0.8	0.4	0.3	0.2	2	1	3	0.2	0.06	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-084	0.2	--	0.4	0.4	0.05	0.8	--	0.6	0.04	0.02	--	0.04	0.04	0.005	0.08	--	0.06	0.004	0.3	0.8	0.5	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.05	0.04	0.8	0.5	1	0.2

Table 5-40. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Rainbow Trout

	Total HI Across COPCs by Pathway																		Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-085	0.2	--	0.3	0.4	0.04	0.7	--	0.6	0.05	0.02	--	0.03	0.03	0.004	0.06	--	0.06	0.005	0.3	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.05	0.04	0.8	0.5	1	0.2
ADA-088	0.3	--	0.5	0.4	0.09	1	--	0.9	0.09	0.04	--	0.05	0.04	0.009	0.1	--	0.09	0.009	0.4	0.8	0.6	0.5	0.2	2	1	3	0.3	0.07	0.3	0.08	0.05	0.04	0.8	0.5	1	0.2
ADA-089	0.4	--	0.5	0.4	0.09	1	--	0.9	0.08	0.05	--	0.04	0.04	0.009	0.1	--	0.09	0.008	0.5	0.8	0.5	0.4	0.2	2	1	3	0.3	0.08	0.3	0.07	0.05	0.04	0.8	0.5	1	0.2
ADA-090	0.2	--	0.4	0.4	0.08	0.9	--	0.7	0.07	0.02	--	0.03	0.03	0.007	0.08	--	0.07	0.007	0.3	0.8	0.4	0.4	0.2	2	1	3	0.3	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-091	0.3	--	0.4	0.3	0.08	0.7	--	0.8	0.09	0.04	--	0.04	0.03	0.007	0.07	--	0.08	0.009	0.4	0.8	0.4	0.4	0.2	2	1	3	0.3	0.07	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-092	0.3	--	0.3	0.3	0.05	0.8	--	0.8	0.08	0.04	--	0.03	0.03	0.005	0.08	--	0.08	0.008	0.4	0.8	0.4	0.4	0.1	2	1	3	0.3	0.07	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-093	0.3	--	0.3	0.3	0.04	0.9	--	0.7	0.04	0.03	--	0.03	0.03	0.004	0.09	--	0.07	0.004	0.4	0.8	0.4	0.4	0.1	2	1	3	0.2	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-094	0.2	--	0.3	0.4	0.03	0.6	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	0.3	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-095	0.3	--	0.5	0.4	0.05	0.9	--	0.7	0.03	0.03	--	0.04	0.04	0.005	0.08	--	0.07	0.003	0.4	0.8	0.5	0.4	0.1	2	1	3	0.2	0.06	0.3	0.07	0.05	0.04	0.8	0.5	1	0.2
ADA-096	0.3	--	0.3	0.3	0.08	0.8	--	0.7	0.08	0.03	--	0.03	0.03	0.008	0.08	--	0.07	0.008	0.4	0.8	0.4	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-097	0.4	--	0.4	0.4	0.1	0.9	--	1	0.1	0.05	--	0.04	0.03	0.01	0.09	--	0.1	0.01	0.5	0.8	0.5	0.4	0.2	2	1	3	0.3	0.08	0.3	0.06	0.04	0.05	0.8	0.5	1	0.2
ADA-099	0.4	--	0.4	0.4	0.07	1	--	0.9	0.06	0.04	--	0.04	0.04	0.007	0.09	--	0.09	0.006	0.5	0.8	0.5	0.4	0.2	2	1	3	0.3	0.07	0.3	0.07	0.05	0.04	0.8	0.5	1	0.2
ADA-101	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.04	0.03	--	0.03	0.03	0.009	0.05	--	0.07	0.004	0.3	0.8	0.4	0.4	0.2	2	1	3	0.2	0.06	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-102	0.2	--	0.3	0.4	0.04	0.7	--	0.5	0.03	0.02	--	0.03	0.03	0.004	0.06	--	0.05	0.003	0.3	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-103	0.2	--	0.5	0.5	0.06	1	--	0.6	0.05	0.03	--	0.05	0.04	0.006	0.1	--	0.06	0.005	0.3	0.8	0.6	0.5	0.2	2	1	3	0.2	0.06	0.3	0.08	0.06	0.04	0.8	0.5	1	0.2
ADA-104	0.1	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.06	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
ADA-105	0.3	--	0.4	0.4	0.07	0.7	--	0.7	0.07	0.03	--	0.04	0.03	0.006	0.06	--	0.07	0.007	0.3	0.8	0.5	0.4	0.2	2	1	3	0.3	0.06	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-106	0.1	--	0.3	0.3	0.04	0.7	--	0.4	0.03	0.02	--	0.03	0.03	0.003	0.06	--	0.04	0.003	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
ADA-107	0.2	--	0.5	0.4	0.03	1	--	0.7	0.05	0.03	--	0.05	0.03	0.003	0.09	--	0.07	0.005	0.3	0.8	0.6	0.4	0.1	2	1	3	0.2	0.06	0.3	0.07	0.05	0.04	0.8	0.5	1	0.2
ADA-108	0.2	--	0.4	0.3	0.06	0.6	--	0.6	0.06	0.02	--	0.04	0.03	0.005	0.06	--	0.06	0.006	0.3	0.8	0.4	0.4	0.2	2	1	3	0.3	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-109	0.3	--	0.3	0.3	0.1	0.6	--	0.8	0.09	0.04	--	0.03	0.03	0.01	0.05	--	0.08	0.009	0.4	0.8	0.4	0.3	0.2	2	1	3	0.3	0.07	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
ADA-110	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.07	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.007	0.3	0.8	0.3	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-111	0.2	--	0.4	0.4	0.03	0.8	--	0.6	0.03	0.02	--	0.04	0.04	0.003	0.07	--	0.06	0.003	0.3	0.8	0.5	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.05	0.04	0.8	0.5	1	0.2
ADA-112	0.2	--	0.4	0.4	0.03	1	--	0.5	0.04	0.02	--	0.03	0.04	0.003	0.09	--	0.05	0.004	0.3	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.05	0.04	0.8	0.5	1	0.2
ADA-113	0.2	--	0.3	0.3	0.03	1	--	0.6	0.03	0.02	--	0.03	0.03	0.003	0.09	--	0.06	0.004	0.3	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-114	0.3	--	0.3	0.3	0.02	0.9	--	0.6	0.03	0.03	--	0.03	0.03	0.002	0.08	--	0.06	0.003	0.3	0.8	0.4	0.4	0.1	2	1	3	0.2	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-115	0.2	--	0.3	0.3	0.04	0.6	--	0.5	0.03	0.02	--	0.02	0.03	0.004	0.06	--	0.05	0.003	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-116	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.02	0.03	--	0.02	0.03	0.004	0.05	--	0.05	0.002	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-117	0.3	--	0.3	0.3	0.06	0.8	--	0.6	0.05	0.03	--	0.03	0.03	0.006	0.07	--	0.06	0.005	0.4	0.8	0.4	0.3	0.2	2	1	3	0.2	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-118	0.2	--	0.4	0.4	0.05	0.9	--	0.6	0.06	0.03	--	0.03	0.03	0.004	0.09	--	0.06	0.006	0.3	0.8	0.4	0.4	0.1	2	1	3	0.2	0.06	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-119	0.2	--	0.3	0.3	0.05	0.7	--	0.6	0.05	0.03	--	0.03	0.03	0.005	0.06	--	0.06	0.005	0.3	0.8	0.4	0.3	0.1	2	1	3	0.2	0.06	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-121	0.3	--	0.4	0.4	0.07	0.9	--	0.8	0.07	0.03	--	0.04	0.04	0.007	0.08	--	0.08	0.007	0.4	0.8	0.5	0.4	0.2	2	1	3	0.3	0.06	0.3	0.07	0.05	0.04	0.8	0.5	1	0.2
ADA-122	0.1	--	0.3	0.3	0.02	0.7	--	0.4	0.02	0.02	--	0.03	0.03	0.002	0.06	--	0.04	0.002	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
ADA-124	0.2	--	0.2	0.2	0.08	0.3	--	0.5	0.03	0.02	--	0.01	0.02	0.007	0.03	--	0.05	0.003	0.3	0.8	0.2	0.2	0.2	2	1	3	0.2	0.05	0.3	0.04	0.03	0.04	0.7	0.5	1	0.2
ADA-125	0.3	--	0.2	0.2	0.05	0.4	--	0.6	0.02	0.03	--	0.02	0.02	0.005	0.03	--	0.06	0.002	0.3	0.8	0.2	0.2	0.1	2	1	3	0.2	0.06	0.3	0.04	0.03	0.04	0.7	0.5	1	0.2
ADA-126	0.4	--	0.2	0.2	0.09	0.5	--	0.9	0.09	0.05	--	0.02	0.02	0.009	0.04	--	0.09	0.009	0.5	0.8	0.3	0.3	0.2	2	1	3	0.3	0.08	0.3	0.05	0.03	0.04	0.8	0.5	1	0.2
ADA-127	0.3	--	0.5	0.4	0.07	0.6	--	0.7	0.08	0.04	--	0.04	0.03	0.006	0.06	--	0.07	0.008	0.4	0.8	0.5	0.4	0.2	2	1	3	0.3	0.07	0.3	0.07	0.05	0.04	0.8	0.5	1	0.2
ADA-128	0.2	--	0.2	0.2	0.1	0.3	--	0.7	0.1	0.03	--	0.01	0.02	0.01	0.03	--	0.07	0.01	0.3	0.8	0.2	0.2	0.2	2	1	3	0.3	0.06	0.3	0.04	0.03	0.05	0.7	0.5	1	0.2
ADA-131	0.4	--	0.2	0.3	0.1	0.5	--	0.9	0.09	0.04	--	0.02	0.02	0.01	0.04	--	0.09	0.009	0.4	0.8	0.3	0.3	0.2	2	1	3	0.3	0.07	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
ADA-132	0.1	--	0.2	0.2	0.04	0.2	--	0.5	0.03	0.02	--	0.02	0.02	0.004	0.02	--	0.05	0.003	0.2	0.8	0.3	0.2	0.1	2	1	3	0.2	0.05	0.3	0.04	0.03	0.04	0.7	0.5	1	0.2
ADA-133	0.3	--	0.3	0.3	0.09	0.6	--	0.8	0.08	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.008	0.4	0.8	0.4	0.3	0.2	2	1	3	0.3	0.07	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-135	0.1	--	0.2	0.3	0.04	0.3	--	0.4	0.04	0.01	--	0.02	0.02	0.004	0.03	--	0.04	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.7	0.5	0.9	0.2
ADA-136	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.05	--	0.08	0.01	0.3	0.8	0.4	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
ADA-139	0.3	--	0.3	0.3	0.08	0.5	--	0.7	0.06	0.03	--	0.03	0.03	0.007	0.05	--	0.07	0.006	0.4	0.8	0.4	0.4	0.2	2	1	3	0.2	0.06	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-140	0.4	--	0.2	0.3	0.1	0.3	--	1	0.1	0.04	--	0.02	0.03	0.01	0.02	--	0.1	0.01	0.5	0.8	0.3	0.3	0.2	2	1	4	0.3	0.07	0.3	0.05	0.04	0.05	0.7	0.5	1	0.2
ADA-141	0.3	--	0.3	0.3	0.05	0.6	--	0.7	0.04	0.03	--	0.03	0.03	0.005	0.06	--	0.07	0.004	0.3	0.8	0.4	0.4	0.1	2	1	3	0.2	0.06	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-142	0.4	--	0.2	0.3	0.2	0.6	--	1	0.2	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.02	0.5	0.8	0.3	0.3	0.3	2	1	3	0.3	0.07	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
ADA-143	0.3	--	0.3	0.3	0.1	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.01	0.05	--	0.07	0.008	0.3	0.8	0.3	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-144	0.8	--	0.2	0.3	0.4	0.7	--	2	0.2	0.09	--	0.02	0.03	0.04	0.07	--	0.2	0.02	0.9	0.8	0.3	0.3	0.5	2	1	4	0.4	0.1	0.3	0.05	0.04	0.07	0.8	0.5	1	0.2
ADA-145	0.3	--	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.08	0.01	0.4	0.8	0.4	0.4	0.2	2	1	3	0.3	0.06	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-146	0.4	--	0.3	0.3	0.1	0.5	--	0.9	0.1	0.04	--	0.02	0.03	0.01	0.05	--	0.09	0.01	0.4	0.8	0.3	0.3	0.2	2	1	3	0.3	0.07	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
ADA-147	0.5	--	0.2	0.3	0.3	0.4	--	1	0.1	0.06	--	0.02	0.02	0.03	0.04	--	0.1	0.01	0.6	0.8	0.2	0.3	0.4	2	1	4	0.3	0.09	0.3	0.04	0.04	0.07	0.8	0.5	1	0.2
ADA-148	0.3	--	0.2	0.2	0.1	0.3	--	0.9	0.08	0.03	--	0.02	0.02	0.009	0.03	--	0.09	0.008	0.4	0.8	0.3	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.03	0.04	0.7	0.5	1	0.2
ADA-150	0.5	--	0.2	0.3	0.2	0.4	--	1	0.1	0.05	--	0.02	0.02	0.02	0.04	--	0.1	0.01	0.6	0.8	0.3	0.3	0.3	2	1	4	0.3	0.08	0.3	0.05	0.03	0.05	0.8	0.5	1	0.2
ADA-151	0.3	--	0.2	0.3	0.1	0.2	--	1	0.06	0.04	--	0.02	0.02	0.01	0.02	--	0.1	0.006	0.4	0.8	0.3	0.3	0.2	2	1	3	0.3	0.07	0.3	0.05	0.04	0.05	0.7	0.5	1	0.2
ADA-152	0.5	--	0.3	0.4	0.08	0.6	--	1	0.07	0.06	--	0.03	0.04	0.007	0.06	--	0.1	0.007	0.6	0.8	0.4	0.4	0.2	2	1	3	0.3	0.09	0.3	0.06	0.05	0.04	0.8	0.5	1	0.2
ADA-153	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.01	0.06	--	0.1	0.01	0.5	0.8	0.4	0.3	0.2	2	1	3	0.3	0.08	0.3	0.06	0.04	0.05	0.8	0.5	1	0.2
ADA-154	0.4	--	0.4	0.3	0.1	0.6	--	0.9	0.09	0.04	--	0.04	0.03	0.01	0.06	--	0.09	0.009	0.5	0.8	0.5	0.3	0.2	2	1	3	0.3	0.07	0.3	0.06	0.04	0.04	0.8	0.5	1	0.2
ADA-155	0.3	--	0.2	0.2	0.1	0.5	--	0.8	0.07	0.04	--	0.02	0.02	0.01	0.05	--	0.08	0.007	0.4	0.8	0.3	0.3	0.2	2	1	3	0.3	0.07	0.3	0.04	0.03	0.05	0.8	0.5	1	0.2
ADA-156	0.2	--	0.2	0.3	0.1	0.4	--	0.7	0.06	0.03	--	0.02	0.03	0.01	0.04	--	0.07	0.007	0.3	0.8	0.3	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
ADA-158	0.4	--	0.2	0.3	0.2	0.3	--	0.9	0.08	0.04	--	0.02	0.02	0.02	0.03	--	0.09	0.008	0.4	0.8	0.3	0.3	0.3	2	1	3	0.3	0.07	0.3	0.05	0.03	0.05	0.7	0.5	1	0.2
ADA-159	0.4	--	0.4	0.3	0.2	0.7	--	0.9	0.1	0.04	--	0.04	0.03	0.02	0.06	--	0.09	0.01	0.4	0.8	0.5	0.3	0.3	2	1	3	0.3	0.07	0.3	0.06	0.04	0.05	0.8	0.5	1	0.2

Table 5-40. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Rainbow Trout

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-160	0.4	--	0.2	0.2	0.1	0.4	--	0.8	0.08	0.04	--	0.02	0.02	0.01	0.04	--	0.08	0.008	0.5	0.8	0.3	0.3	0.2	2	1	3	0.3	0.07	0.3	0.04	0.03	0.05	0.7	0.5	1	0.2
ADA-161	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	--	0.02	0.02	0.01	0.05	--	0.08	0.009	0.3	0.8	0.3	0.3	0.2	2	1	3	0.3	0.06	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
ADA-162	0.5	--	0.2	0.3	0.4	0.4	--	2	0.2	0.06	--	0.02	0.02	0.04	0.04	--	0.2	0.02	0.6	0.8	0.3	0.3	0.5	2	1	4	0.4	0.09	0.3	0.04	0.04	0.07	0.8	0.5	1	0.2
ADA-164	0.4	--	0.3	0.3	0.2	0.5	--	1	0.1	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.01	0.5	0.8	0.3	0.3	0.3	2	1	3	0.3	0.07	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
ADA-165	0.4	--	0.3	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	0.5	0.8	0.3	0.3	0.2	2	1	4	0.3	0.08	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
ADA-168	0.4	--	0.2	0.3	0.1	0.5	--	1	0.09	0.05	--	0.02	0.03	0.01	0.04	--	0.1	0.009	0.5	0.8	0.3	0.3	0.2	2	1	3	0.3	0.08	0.3	0.05	0.04	0.05	0.8	0.5	1	0.2
ADA-169	0.1	--	0.3	0.4	0.01	0.6	--	0.3	0.007	0.01	--	0.03	0.03	0.001	0.05	--	0.03	0.0007	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
ADA-170	0.2	--	0.3	0.4	0.03	0.5	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.002	0.3	0.8	0.4	0.4	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-171	0.2	--	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	0.3	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-172	0.09	--	0.2	0.3	0.02	0.5	--	0.3	0.006	0.01	--	0.02	0.02	0.002	0.05	--	0.03	0.0006	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.03	0.04	0.8	0.5	0.9	0.2
ADA-173	0.2	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.05	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
ADA-174	0.1	--	0.2	0.2	0.03	0.6	--	0.4	0.03	0.02	--	0.02	0.02	0.003	0.06	--	0.04	0.003	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.05	0.3	0.04	0.03	0.04	0.8	0.5	0.9	0.2
ADA-175	0.1	--	0.4	0.3	0.02	0.7	--	0.4	0.01	0.01	--	0.03	0.03	0.002	0.07	--	0.04	0.001	0.2	0.8	0.4	0.4	0.1	2	1	3	0.2	0.04	0.3	0.06	0.04	0.04	0.8	0.5	0.9	0.2
ADA-176	0.1	--	0.6	0.5	0.02	0.8	--	0.6	0.01	0.01	--	0.06	0.04	0.002	0.07	--	0.06	0.001	0.2	0.8	0.7	0.5	0.1	2	1	3	0.2	0.04	0.3	0.08	0.05	0.04	0.8	0.5	1	0.2
ADA-177	0.1	--	0.4	0.4	0.01	0.6	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.06	--	0.04	0.0007	0.2	0.8	0.5	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.05	0.04	0.8	0.5	0.9	0.2
ADA-178	0.1	--	0.4	0.4	0.02	0.5	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.05	--	0.04	0.0007	0.2	0.8	0.5	0.4	0.1	2	1	3	0.2	0.05	0.3	0.06	0.05	0.04	0.8	0.5	0.9	0.2
ADA-179	0.1	--	0.2	0.3	0.03	0.5	--	0.4	0.02	0.01	--	0.02	0.03	0.002	0.05	--	0.04	0.002	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
ADA-180	0.1	--	0.3	0.3	0.04	0.6	--	0.5	0.05	0.01	--	0.02	0.03	0.004	0.05	--	0.05	0.005	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
ADA-181	0.1	--	0.2	0.3	0.04	0.6	--	0.6	0.04	0.01	--	0.02	0.02	0.004	0.05	--	0.05	0.004	0.2	0.8	0.3	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	1	0.2
ADA-182	0.1	--	0.3	0.3	0.03	0.5	--	0.4	0.05	0.01	--	0.03	0.03	0.003	0.04	--	0.04	0.005	0.2	0.8	0.4	0.3	0.1	2	1	3	0.2	0.04	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2
ADA-183	0.2	--	0.3	0.3	0.09	0.4	--	0.6	0.2	0.02	--	0.02	0.02	0.008	0.04	--	0.06	0.02	0.3	0.8	0.3	0.3	0.2	2	1	3	0.4	0.05	0.3	0.05	0.04	0.04	0.7	0.5	1	0.2
ADA-184	0.1	--	0.3	0.3	0.03	0.6	--	0.4	0.09	0.01	--	0.03	0.02	0.003	0.06	--	0.04	0.009	0.2	0.8	0.3	0.3	0.1	2	1	3	0.3	0.05	0.3	0.05	0.04	0.04	0.8	0.5	0.9	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-41. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Smallmouth Bass

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
Indoor Air	--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																
Outdoor Air	--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02	**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**									**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Smallmouth Bass)	0.04	2	0.02	0.01	0.1	2	1	3	--	0.01	0.6	0.008	0.004	0.04	0.7	0.5	0.9	--																
Upland Soil/Dust[a]	**Number of ADAs that exceed benchmark[c] for Soil/Dust:**									**Number of ADAs that exceed benchmark[c] for Soil/Dust:**																										
ADA	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	142	0	0	0	142	0	142	0	0	0	0	0	0	0	0	0	0
ADA-001	0.2	--	0.4	0.3	0.07	0.5	--	0.8	0.09	0.03	--	0.04	0.03	0.007	0.05	--	0.08	0.009	0.3	2	0.4	0.3	0.2	3	1	3	0.3	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
ADA-002	0.2	--	0.3	0.4	0.06	0.4	--	0.6	0.04	0.02	--	0.03	0.03	0.006	0.04	--	0.06	0.004	0.2	2	0.3	0.4	0.2	3	1	3	0.2	0.03	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-004	0.2	--	0.2	0.3	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.03	0.007	0.05	--	0.06	0.007	0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-005	0.3	--	0.3	0.4	0.08	0.4	--	0.8	0.04	0.03	--	0.03	0.03	0.008	0.04	--	0.08	0.004	0.3	2	0.4	0.4	0.2	3	1	3	0.2	0.04	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-006	0.3	--	0.3	0.3	0.09	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.008	0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-008	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.03	0.03	0.01	0.04	--	0.08	0.007	0.4	2	0.3	0.4	0.2	3	1	3	0.3	0.05	0.6	0.03	0.04	0.05	1	0.5	1	0.2
ADA-010	0.5	--	0.4	0.4	0.1	1	--	1	0.1	0.05	--	0.04	0.03	0.01	0.1	--	0.1	0.01	0.5	2	0.4	0.4	0.2	3	1	4	0.3	0.07	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-015	0.2	--	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	--	0.02	0.02	0.004	0.04	--	0.05	0.004	0.2	2	0.2	0.2	0.2	3	1	3	0.2	0.03	0.6	0.03	0.02	0.05	1	0.5	1	0.2
ADA-016	0.2	--	0.2	0.2	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.02	0.007	0.04	--	0.06	0.007	0.3	2	0.2	0.2	0.2	3	1	3	0.3	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-017	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.02	0.03	0.01	0.04	--	0.08	0.008	0.4	2	0.2	0.3	0.2	3	1	3	0.3	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-018	0.2	--	0.2	0.3	0.2	0.4	--	0.8	0.09	0.02	--	0.02	0.02	0.01	0.04	--	0.08	0.009	0.2	2	0.2	0.3	0.3	3	1	3	0.3	0.03	0.6	0.03	0.03	0.06	1	0.5	1	0.2
ADA-019	0.2	--	0.4	0.4	0.04	0.5	--	0.6	0.04	0.03	--	0.04	0.04	0.004	0.05	--	0.06	0.004	0.3	2	0.4	0.5	0.2	3	1	3	0.2	0.04	0.6	0.05	0.05	0.04	1	0.5	1	0.2
ADA-020	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
ADA-021	0.4	--	0.8	0.5	0.05	0.6	--	0.7	0.04	0.05	--	0.07	0.05	0.005	0.05	--	0.07	0.004	0.4	2	0.8	0.5	0.2	3	1	3	0.2	0.06	0.6	0.08	0.05	0.05	1	0.5	1	0.2
ADA-023	0.3	--	0.3	0.3	0.07	0.4	--	0.8	0.09	0.03	--	0.03	0.03	0.007	0.03	--	0.08	0.009	0.3	2	0.4	0.3	0.2	3	1	3	0.3	0.05	0.6	0.04	0.03	0.05	1	0.5	1	0.2
ADA-024	0.4	--	0.2	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	0.5	2	0.2	0.3	0.3	3	1	3	0.3	0.06	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-025	0.3	--	0.2	0.2	0.05	0.5	--	0.6	0.09	0.03	--	0.02	0.02	0.005	0.05	--	0.06	0.009	0.3	2	0.2	0.2	0.2	3	1	3	0.3	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-026	0.2	--	0.2	0.3	0.05	0.4	--	0.5	0.07	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.007	0.2	2	0.3	0.3	0.2	3	1	3	0.3	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-028	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.03	--	0.02	0.02	0.006	0.04	--	0.06	0.005	0.3	2	0.2	0.2	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-033	0.2	--	0.2	0.3	0.02	0.7	--	0.6	0.05	0.02	--	0.02	0.02	0.002	0.06	--	0.06	0.005	0.2	2	0.2	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
ADA-034	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.04	0.04	1	0.5	1	0.2
ADA-035	0.2	--	0.2	0.3	0.04	0.6	--	0.6	0.06	0.03	--	0.02	0.03	0.004	0.06	--	0.06	0.006	0.3	2	0.2	0.3	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-039	0.1	--	0.2	0.3	0.02	0.5	--	0.4	0.05	0.01	--	0.02	0.02	0.002	0.05	--	0.04	0.005	0.1	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
ADA-042	0.1	--	0.2	0.3	0.04	0.4	--	0.4	0.02	0.02	--	0.02	0.03	0.004	0.04	--	0.04	0.002	0.2	2	0.2	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-043	0.2	--	0.6	0.5	0.08	0.7	--	0.6	0.08	0.02	--	0.05	0.04	0.007	0.07	--	0.06	0.008	0.2	2	0.6	0.5	0.2	3	1	3	0.3	0.04	0.6	0.06	0.05	0.05	1	0.5	1	0.2
ADA-044	0.2	--	0.5	0.4	0.04	0.8	--	0.8	0.2	0.03	--	0.05	0.04	0.004	0.07	--	0.08	0.02	0.3	2	0.5	0.4	0.2	3	1	3	0.4	0.04	0.6	0.06	0.04	0.05	1	0.5	1	0.2
ADA-045	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.1	0.01	0.5	2	0.3	0.3	0.2	3	1	4	0.3	0.06	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-046	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.02	--	0.02	0.02	0.005	0.04	--	0.06	0.005	0.2	2	0.2	0.2	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-047	0.3	--	0.3	0.3	0.1	0.6	--	0.9	0.09	0.03	--	0.03	0.03	0.009	0.06	--	0.09	0.009	0.3	2	0.4	0.4	0.2	3	1	3	0.3	0.05	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-048	0.2	--	0.4	0.4	0.05	0.7	--	0.5	0.06	0.02	--	0.04	0.04	0.005	0.07	--	0.05	0.006	0.2	2	0.4	0.4	0.2	3	1	3	0.3	0.03	0.6	0.05	0.04	0.05	1	0.5	1	0.2
ADA-049	0.2	--	0.3	0.3	0.02	0.7	--	0.6	0.06	0.02	--	0.03	0.03	0.002	0.07	--	0.06	0.006	0.2	2	0.3	0.3	0.1	3	1	3	0.3	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
ADA-050	0.4	--	0.5	0.4	0.1	0.6	--	1	0.1	0.04	--	0.05	0.04	0.01	0.06	--	0.1	0.01	0.4	2	0.6	0.4	0.2	3	1	4	0.3	0.06	0.6	0.06	0.04	0.05	1	0.5	1	0.2
ADA-051	0.1	--	0.3	0.3	0.03	0.6	--	0.5	0.1	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.01	0.2	2	0.4	0.3	0.1	3	1	3	0.3	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
ADA-052	0.3	--	0.4	0.3	0.1	0.6	--	0.9	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.09	0.01	0.3	2	0.4	0.3	0.2	3	1	3	0.3	0.05	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-053	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.002	0.07	--	0.05	0.002	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.03	0.6	0.04	0.04	0.04	1	0.5	1	0.2
ADA-054	0.5	--	0.3	0.3	0.2	0.7	--	1	0.2	0.06	--	0.03	0.03	0.02	0.07	--	0.1	0.02	0.5	2	0.4	0.3	0.3	3	1	4	0.4	0.07	0.6	0.04	0.03	0.06	1	0.5	1	0.2
ADA-055	0.3	--	0.3	0.4	0.07	0.8	--	0.8	0.1	0.03	--	0.03	0.03	0.007	0.08	--	0.08	0.01	0.3	2	0.3	0.4	0.2	3	1	3	0.3	0.04	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-056	0.2	--	0.4	0.4	0.02	0.8	--	0.5	0.02	0.02	--	0.04	0.04	0.002	0.08	--	0.05	0.002	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.03	0.6	0.04	0.04	0.04	1	0.5	1	0.2
ADA-057	0.2	--	0.5	0.4	0.05	0.7	--	0.6	0.04	0.02	--	0.05	0.04	0.004	0.06	--	0.06	0.004	0.2	2	0.5	0.4	0.2	3	1	3	0.2	0.03	0.6	0.05	0.04	0.05	1	0.5	1	0.2
ADA-058	0.1	--	0.3	0.4	0.02	0.6	--	0.4	0.02	0.01	--	0.03	0.03	0.002	0.06	--	0.03	0.002	0.1	2	0.4	0.4	0.1	3	1	3	0.2	0.02	0.6	0.04	0.04	0.04	1	0.5	1	0.2
ADA-059	0.1	--	0.4	0.4	0.04	0.9	--	0.5	0.04	0.02	--	0.04	0.04	0.004	0.08	--	0.05	0.004	0.2	2	0.4	0.4	0.2	3	1	3	0.2	0.03	0.6	0.05	0.04	0.05	1	0.5	1	0.2
ADA-060	0.5	--	0.6	0.4	0.1	0.7	--	1	0.1	0.05	--	0.05	0.04	0.01	0.07	--	0.1	0.01	0.5	2	0.6	0.4	0.2	3	1	4	0.3	0.07	0.6	0.06	0.04	0.05	1	0.5	1	0.2
ADA-061	0.2	--	0.6	0.5	0.02	1	--	0.6	0.03	0.02	--	0.05	0.04	0.002	0.1	--	0.06	0.003	0.2	2	0.6	0.5	0.1	3	1	3	0.2	0.03	0.6	0.06	0.05	0.04	1	0.5	1	0.2
ADA-062	0.3	--	0.3	0.3	0.08	0.7	--	0.9	0.09	0.04	--	0.03	0.03	0.008	0.06	--	0.09	0.01	0.4	2	0.4	0.4	0.2	3	1	3	0.3	0.05	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-063	0.2	--	0.3	0.3	0.04	0.7	--	0.5	0.07	0.02	--	0.03	0.03	0.004	0.07	--	0.05	0.007	0.2	2	0.4	0.3	0.2	3	1	3	0.3	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
ADA-064	0.2	--	0.5	0.4	0.03	1	--	0.7	0.03	0.03	--	0.04	0.04	0.003	0.1	--	0.07	0.003	0.3	2	0.5	0.5	0.1	3	1	3	0.2	0.04	0.6	0.05	0.05	0.04	1	0.5	1	0.2
ADA-065	0.3	--	0.3	0.3	0.1	0.7	--	0.9	0.1	0.04	--	0.03	0.03	0.01	0.07	--	0.09	0.01	0.4	2	0.3	0.3	0.2	3	1	3	0.3	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-066	0.2	--	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.005	0.2	2	0.3	0.3	0.2	3	1	3	0.2	0.03	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-067	0.2	--	0.4	0.4	0.03	0.7	--	0.5	0.09	0.02	--	0.04	0.04	0.003	0.07	--	0.05	0.009	0.2	2	0.4	0.4	0.1	3	1	3	0.3	0.03	0.6	0.04	0.04	0.04	1	0.5	1	0.2
ADA-070	0.3	--	0.4	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.006	0.4	2	0.4	0.4	0.2	3	1	3	0.2	0.05	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-071	0.3	--	0.3	0.3	0.09	0.6	--	0.7	0.06	0.03	--	0.03	0.03	0.008	0.05	--	0.07	0.006	0.3	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-073	0.4	--	0.3	0.3	0.1	0.6	--	0.8	0.06	0.04	--	0.03	0.03	0.01	0.06	--	0.08	0.006	0.4	2	0.3	0.3	0.2	3	1	3	0.3	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-076	0.4	--	0.3	0.3	0.1	0.6	--	0.9	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.09	0.01	0.5	2	0.3	0.3	0.2	3	1	3	0.3	0.06	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-078	0.3	--	0.3	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.009	0.07	--	0.08	0.007	0.4	2	0.3	0.4	0.2	3	1	3	0.3	0.05	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-079	0.2	--	0.2	0.2	0.06	0.6	--	0.5	0.1	0.02	--	0.02	0.02	0.006	0.05	--	0.05	0.01	0.2	2	0.3	0.3	0.2	3	1	3	0.3	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-081	0.3	--	0.3	0.4	0.09	0.6	--	0.7	0.04	0.03	--	0.03	0.04	0.008	0.06	--	0.07	0.004	0.3	2	0.4	0.4	0.2	3	1	3	0.2	0.04	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-082	0.2	--	0.3	0.3	0.06	0.6	--	0.6	0.04	0.03	--	0.03	0.03	0.006	0.05	--	0.06	0.004	0.3	2	0.4	0.3	0.2	3	1	3	0.2	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
ADA-084	0.2	--	0.4	0.4	0.05	0.8	--	0.6	0.04	0.02	--	0.04	0.04	0.005	0.08	--	0.06	0.004	0.2	2	0.4	0.4	0.2	3	1	3	0.2	0.04	0.6	0.05	0.04	0.05	1	0.5	1	0.2

Table 5-41. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Smallmouth Bass

	Total HI Across COPCs by Pathway																		Total HI Across Pathways																	
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																		By Target Organ System																	
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																				
ADA-085	0.2	--	0.3	0.4	0.04	0.7	--	0.6	0.05	0.02	--	0.03	0.03	0.004	0.06	--	0.06	0.005	0.2	2	0.3	0.4	0.2	3	1	3	0.2	0.03	0.6	0.04	0.04	0.04	1	0.5	1	0.2
ADA-088	0.3	--	0.5	0.4	0.09	1	--	0.9	0.09	0.04	--	0.05	0.04	0.009	0.1	--	0.09	0.009	0.4	2	0.6	0.5	0.2	3	1	3	0.3	0.05	0.6	0.06	0.05	0.05	1	0.5	1	0.2
ADA-089	0.4	--	0.5	0.4	0.09	1	--	0.9	0.08	0.05	--	0.04	0.04	0.009	0.1	--	0.09	0.008	0.5	2	0.5	0.4	0.2	3	1	3	0.3	0.06	0.6	0.05	0.04	0.05	1	0.5	1	0.2
ADA-090	0.2	--	0.4	0.4	0.08	0.9	--	0.7	0.07	0.02	--	0.03	0.03	0.007	0.08	--	0.07	0.007	0.2	2	0.4	0.4	0.2	3	1	3	0.3	0.04	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-091	0.3	--	0.4	0.3	0.08	0.7	--	0.8	0.09	0.04	--	0.04	0.03	0.007	0.07	--	0.08	0.009	0.4	2	0.4	0.3	0.2	3	1	3	0.3	0.05	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-092	0.3	--	0.3	0.3	0.05	0.8	--	0.8	0.08	0.04	--	0.03	0.03	0.005	0.08	--	0.08	0.008	0.4	2	0.4	0.4	0.2	3	1	3	0.3	0.05	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-093	0.3	--	0.3	0.3	0.04	0.9	--	0.7	0.04	0.03	--	0.03	0.03	0.004	0.09	--	0.07	0.004	0.3	2	0.3	0.3	0.2	3	1	3	0.2	0.05	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-094	0.2	--	0.3	0.4	0.03	0.6	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.04	0.6	0.04	0.04	0.04	1	0.5	1	0.2
ADA-095	0.3	--	0.5	0.4	0.05	0.9	--	0.7	0.03	0.03	--	0.04	0.04	0.005	0.08	--	0.07	0.003	0.3	2	0.5	0.4	0.2	3	1	3	0.2	0.05	0.6	0.05	0.04	0.05	1	0.5	1	0.2
ADA-096	0.3	--	0.3	0.3	0.08	0.8	--	0.7	0.08	0.03	--	0.03	0.03	0.008	0.08	--	0.07	0.008	0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
ADA-097	0.4	--	0.4	0.4	0.1	0.9	--	1	0.1	0.05	--	0.04	0.03	0.01	0.09	--	0.1	0.01	0.5	2	0.4	0.4	0.3	3	1	4	0.3	0.06	0.6	0.05	0.04	0.05	1	0.5	1	0.2
ADA-099	0.4	--	0.4	0.4	0.07	1	--	0.9	0.06	0.04	--	0.04	0.04	0.007	0.09	--	0.09	0.006	0.4	2	0.4	0.4	0.2	3	1	3	0.3	0.05	0.6	0.05	0.04	0.05	1	0.5	1	0.2
ADA-101	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.04	0.03	--	0.03	0.03	0.009	0.05	--	0.07	0.004	0.3	2	0.4	0.4	0.2	3	1	3	0.2	0.04	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-102	0.2	--	0.3	0.4	0.04	0.7	--	0.5	0.03	0.02	--	0.03	0.03	0.004	0.06	--	0.05	0.003	0.2	2	0.4	0.4	0.2	3	1	3	0.2	0.04	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-103	0.2	--	0.5	0.5	0.06	1	--	0.6	0.05	0.03	--	0.05	0.04	0.006	0.1	--	0.06	0.005	0.3	2	0.6	0.5	0.2	3	1	3	0.2	0.04	0.6	0.06	0.05	0.05	1	0.5	1	0.2
ADA-104	0.1	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.06	--	0.04	0.002	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
ADA-105	0.3	--	0.4	0.4	0.07	0.7	--	0.7	0.07	0.03	--	0.04	0.03	0.006	0.06	--	0.07	0.007	0.3	2	0.4	0.4	0.2	3	1	3	0.3	0.04	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-106	0.1	--	0.3	0.3	0.04	0.7	--	0.4	0.03	0.02	--	0.03	0.03	0.003	0.06	--	0.04	0.003	0.2	2	0.4	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.04	0.04	1	0.5	1	0.2
ADA-107	0.2	--	0.5	0.4	0.03	1	--	0.7	0.05	0.03	--	0.05	0.03	0.003	0.09	--	0.07	0.005	0.3	2	0.5	0.4	0.1	3	1	3	0.2	0.04	0.6	0.05	0.04	0.04	1	0.5	1	0.2
ADA-108	0.2	--	0.4	0.3	0.06	0.6	--	0.6	0.06	0.02	--	0.04	0.03	0.005	0.06	--	0.06	0.006	0.2	2	0.4	0.3	0.2	3	1	3	0.3	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
ADA-109	0.3	--	0.3	0.3	0.1	0.6	--	0.8	0.09	0.04	--	0.03	0.03	0.01	0.05	--	0.08	0.009	0.4	2	0.3	0.3	0.2	3	1	3	0.3	0.05	0.6	0.04	0.03	0.05	1	0.5	1	0.2
ADA-110	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.07	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.007	0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-111	0.2	--	0.4	0.4	0.03	0.8	--	0.6	0.03	0.02	--	0.04	0.04	0.003	0.07	--	0.06	0.003	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.03	0.6	0.05	0.04	0.04	1	0.5	1	0.2
ADA-112	0.2	--	0.4	0.4	0.03	1	--	0.5	0.04	0.02	--	0.03	0.04	0.003	0.09	--	0.05	0.004	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.04	0.6	0.04	0.04	0.04	1	0.5	1	0.2
ADA-113	0.2	--	0.3	0.3	0.03	1	--	0.6	0.03	0.02	--	0.03	0.03	0.003	0.09	--	0.06	0.004	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.04	0.6	0.04	0.04	0.04	1	0.5	1	0.2
ADA-114	0.3	--	0.3	0.3	0.02	0.9	--	0.6	0.03	0.03	--	0.03	0.03	0.002	0.08	--	0.06	0.003	0.3	2	0.3	0.3	0.1	3	1	3	0.2	0.04	0.6	0.04	0.04	0.04	1	0.5	1	0.2
ADA-115	0.2	--	0.3	0.3	0.04	0.6	--	0.5	0.03	0.02	--	0.02	0.03	0.004	0.06	--	0.05	0.003	0.3	2	0.3	0.3	0.1	3	1	3	0.2	0.04	0.6	0.03	0.03	0.04	1	0.5	1	0.2
ADA-116	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.02	0.03	--	0.02	0.03	0.004	0.05	--	0.05	0.002	0.3	2	0.3	0.3	0.1	3	1	3	0.2	0.04	0.6	0.03	0.03	0.04	1	0.5	1	0.2
ADA-117	0.3	--	0.3	0.3	0.06	0.8	--	0.6	0.05	0.03	--	0.03	0.03	0.006	0.07	--	0.06	0.005	0.3	2	0.3	0.3	0.2	3	1	3	0.2	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
ADA-118	0.2	--	0.4	0.4	0.05	0.9	--	0.6	0.06	0.03	--	0.03	0.03	0.004	0.09	--	0.06	0.006	0.3	2	0.4	0.4	0.2	3	1	3	0.2	0.04	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-119	0.2	--	0.3	0.3	0.05	0.7	--	0.6	0.05	0.03	--	0.03	0.03	0.005	0.06	--	0.06	0.005	0.3	2	0.4	0.3	0.2	3	1	3	0.2	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
ADA-121	0.3	--	0.4	0.4	0.07	0.9	--	0.8	0.07	0.03	--	0.04	0.04	0.007	0.08	--	0.08	0.007	0.3	2	0.4	0.4	0.2	3	1	3	0.3	0.05	0.6	0.05	0.04	0.05	1	0.5	1	0.2
ADA-122	0.1	--	0.3	0.3	0.02	0.7	--	0.4	0.02	0.02	--	0.03	0.03	0.002	0.06	--	0.04	0.002	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
ADA-124	0.2	--	0.2	0.2	0.08	0.3	--	0.5	0.03	0.02	--	0.01	0.02	0.007	0.03	--	0.05	0.003	0.2	2	0.2	0.2	0.2	2	1	3	0.2	0.03	0.6	0.02	0.02	0.05	1	0.5	1	0.2
ADA-125	0.3	--	0.2	0.2	0.05	0.4	--	0.6	0.02	0.03	--	0.02	0.02	0.005	0.03	--	0.06	0.002	0.3	2	0.2	0.2	0.2	2	1	3	0.2	0.04	0.6	0.02	0.02	0.05	1	0.5	1	0.2
ADA-126	0.4	--	0.2	0.2	0.09	0.5	--	0.9	0.09	0.05	--	0.02	0.02	0.009	0.04	--	0.09	0.009	0.5	2	0.2	0.3	0.2	3	1	3	0.3	0.06	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-127	0.3	--	0.5	0.4	0.07	0.6	--	0.7	0.08	0.04	--	0.04	0.03	0.006	0.06	--	0.07	0.008	0.4	2	0.5	0.4	0.2	3	1	3	0.3	0.05	0.6	0.05	0.04	0.05	1	0.5	1	0.2
ADA-128	0.2	--	0.2	0.2	0.1	0.3	--	0.7	0.1	0.03	--	0.01	0.02	0.01	0.03	--	0.07	0.01	0.3	2	0.2	0.2	0.2	2	1	3	0.3	0.04	0.6	0.02	0.02	0.05	1	0.5	1	0.2
ADA-131	0.4	--	0.2	0.3	0.1	0.5	--	0.9	0.09	0.04	--	0.02	0.02	0.01	0.04	--	0.09	0.009	0.4	2	0.3	0.3	0.2	3	1	3	0.3	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-132	0.1	--	0.2	0.2	0.04	0.2	--	0.5	0.03	0.02	--	0.02	0.02	0.004	0.02	--	0.05	0.003	0.2	2	0.2	0.2	0.2	2	1	3	0.2	0.03	0.6	0.03	0.02	0.05	1	0.5	1	0.2
ADA-133	0.3	--	0.3	0.3	0.09	0.6	--	0.8	0.08	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.008	0.4	2	0.3	0.3	0.2	3	1	3	0.3	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-135	0.1	--	0.2	0.3	0.04	0.3	--	0.4	0.04	0.01	--	0.02	0.02	0.004	0.03	--	0.04	0.004	0.2	2	0.3	0.3	0.2	2	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
ADA-136	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.05	--	0.08	0.01	0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.04	0.6	0.04	0.03	0.05	1	0.5	1	0.2
ADA-139	0.3	--	0.3	0.3	0.08	0.5	--	0.7	0.06	0.03	--	0.03	0.03	0.007	0.05	--	0.07	0.006	0.3	2	0.4	0.3	0.2	3	1	3	0.2	0.05	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-140	0.4	--	0.2	0.3	0.1	0.3	--	1	0.1	0.04	--	0.02	0.03	0.01	0.02	--	0.1	0.01	0.4	2	0.3	0.3	0.3	2	1	4	0.3	0.06	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-141	0.3	--	0.3	0.3	0.05	0.6	--	0.7	0.04	0.03	--	0.03	0.03	0.005	0.06	--	0.07	0.004	0.3	2	0.3	0.4	0.2	3	1	3	0.2	0.04	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-142	0.4	--	0.2	0.3	0.2	0.6	--	1	0.2	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.02	0.4	2	0.3	0.3	0.3	3	1	4	0.3	0.06	0.6	0.03	0.03	0.06	1	0.5	1	0.2
ADA-143	0.3	--	0.3	0.3	0.1	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.01	0.05	--	0.07	0.008	0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-144	0.8	--	0.2	0.3	0.4	0.7	--	2	0.2	0.09	--	0.02	0.03	0.04	0.07	--	0.2	0.02	0.8	2	0.3	0.3	0.5	3	1	4	0.4	0.1	0.6	0.03	0.03	0.08	1	0.5	1	0.2
ADA-145	0.3	--	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.08	0.01	0.3	2	0.4	0.4	0.2	3	1	3	0.3	0.05	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-146	0.4	--	0.3	0.3	0.1	0.5	--	0.9	0.1	0.04	--	0.02	0.03	0.01	0.05	--	0.09	0.01	0.4	2	0.3	0.3	0.2	3	1	3	0.3	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-147	0.5	--	0.2	0.3	0.3	0.4	--	1	0.1	0.06	--	0.02	0.02	0.03	0.04	--	0.1	0.01	0.6	2	0.2	0.3	0.4	3	1	4	0.3	0.07	0.6	0.02	0.03	0.07	1	0.5	1	0.2
ADA-148	0.3	--	0.2	0.2	0.1	0.3	--	0.9	0.08	0.03	--	0.02	0.02	0.009	0.03	--	0.09	0.008	0.3	2	0.2	0.3	0.2	2	1	3	0.3	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-150	0.5	--	0.2	0.3	0.2	0.4	--	1	0.1	0.05	--	0.02	0.02	0.02	0.04	--	0.1	0.01	0.5	2	0.2	0.3	0.3	3	1	4	0.3	0.07	0.6	0.03	0.03	0.06	1	0.5	1	0.2
ADA-151	0.3	--	0.2	0.3	0.1	0.2	--	1	0.06	0.04	--	0.02	0.02	0.01	0.02	--	0.1	0.006	0.4	2	0.2	0.3	0.3	2	1	3	0.3	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-152	0.5	--	0.3	0.4	0.08	0.6	--	1	0.07	0.06	--	0.03	0.04	0.007	0.06	--	0.1	0.007	0.6	2	0.4	0.4	0.2	3	1	4	0.3	0.07	0.6	0.04	0.04	0.05	1	0.5	1	0.2
ADA-153	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.01	0.06	--	0.1	0.01	0.5	2	0.4	0.3	0.2	3	1	4	0.3	0.06	0.6	0.04	0.03	0.05	1	0.5	1	0.2
ADA-154	0.4	--	0.4	0.3	0.1	0.6	--	0.9	0.09	0.04	--	0.04	0.03	0.01	0.06	--	0.09	0.009	0.4	2	0.4	0.3	0.2	3	1	3	0.3	0.06	0.6	0.04	0.03	0.05	1	0.5	1	0.2
ADA-155	0.3	--	0.2	0.2	0.1	0.5	--	0.8	0.07	0.04	--	0.02	0.02	0.01	0.05	--	0.08	0.007	0.4	2	0.2	0.2	0.3	3	1	3	0.3	0.05	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-156	0.2	--	0.2	0.3	0.1	0.4	--	0.7	0.06	0.03	--	0.02	0.03	0.01	0.04	--	0.07	0.007	0.3	2	0.2	0.3	0.2	3	1	3	0.3	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-158	0.4	--	0.2	0.3	0.2	0.3	--	0.9	0.08	0.04	--	0.02	0.02	0.02	0.03	--	0.09	0.008	0.4	2	0.2	0.3	0.3	2	1	3	0.3	0.05	0.6	0.03	0.03	0.06	1	0.5	1	0.2
ADA-159	0.4	--	0.4	0.3	0.2	0.7	--	0.9	0.1	0.04	--	0.04	0.03	0.02	0.06	--	0.09	0.01	0.4	2	0.4	0.3	0.3	3	1	3	0.3	0.05	0.6	0.04	0.03	0.06	1	0.5	1	0.2

Table 5-41. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Smallmouth Bass

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-160	0.4	--	0.2	0.2	0.1	0.4	--	0.8	0.08	0.04	--	0.02	0.02	0.01	0.04	--	0.08	0.008	0.4	2	0.2	0.2	0.2	3	1	3	0.3	0.05	0.6	0.03	0.02	0.05	1	0.5	1	0.2
ADA-161	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	--	0.02	0.02	0.01	0.05	--	0.08	0.009	0.3	2	0.3	0.3	0.2	3	1	3	0.3	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-162	0.5	--	0.2	0.3	0.4	0.4	--	2	0.2	0.06	--	0.02	0.02	0.04	0.04	--	0.2	0.02	0.6	2	0.2	0.3	0.5	3	1	4	0.4	0.07	0.6	0.03	0.03	0.08	1	0.5	1	0.2
ADA-164	0.4	--	0.3	0.3	0.2	0.5	--	1	0.1	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.01	0.4	2	0.3	0.3	0.3	3	1	4	0.3	0.06	0.6	0.03	0.03	0.06	1	0.5	1	0.2
ADA-165	0.4	--	0.3	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	0.4	2	0.3	0.3	0.3	3	1	4	0.3	0.06	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-168	0.4	--	0.2	0.3	0.1	0.5	--	1	0.09	0.05	--	0.02	0.03	0.01	0.04	--	0.1	0.009	0.5	2	0.3	0.3	0.2	3	1	3	0.3	0.06	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-169	0.1	--	0.3	0.4	0.01	0.6	--	0.3	0.007	0.01	--	0.03	0.03	0.001	0.05	--	0.03	0.0007	0.2	2	0.3	0.4	0.1	3	1	3	0.2	0.03	0.6	0.04	0.04	0.04	1	0.5	1	0.2
ADA-170	0.2	--	0.3	0.4	0.03	0.5	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.002	0.2	2	0.3	0.4	0.1	3	1	3	0.2	0.04	0.6	0.04	0.04	0.04	1	0.5	1	0.2
ADA-171	0.2	--	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
ADA-172	0.09	--	0.2	0.3	0.02	0.5	--	0.3	0.006	0.01	--	0.02	0.02	0.002	0.05	--	0.03	0.0006	0.1	2	0.2	0.3	0.1	3	1	3	0.2	0.02	0.6	0.03	0.03	0.04	1	0.5	1	0.2
ADA-173	0.2	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.05	--	0.04	0.002	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
ADA-174	0.1	--	0.2	0.2	0.03	0.6	--	0.4	0.03	0.02	--	0.02	0.02	0.003	0.06	--	0.04	0.003	0.2	2	0.2	0.2	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
ADA-175	0.1	--	0.4	0.3	0.02	0.7	--	0.4	0.01	0.01	--	0.03	0.03	0.002	0.07	--	0.04	0.001	0.1	2	0.4	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
ADA-176	0.1	--	0.6	0.5	0.02	0.8	--	0.6	0.01	0.01	--	0.06	0.04	0.002	0.07	--	0.06	0.001	0.1	2	0.6	0.5	0.1	3	1	3	0.2	0.03	0.6	0.06	0.05	0.04	1	0.5	1	0.2
ADA-177	0.1	--	0.4	0.4	0.01	0.6	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.06	--	0.04	0.0007	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.03	0.6	0.05	0.04	0.04	1	0.5	1	0.2
ADA-178	0.1	--	0.4	0.4	0.02	0.5	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.05	--	0.04	0.0007	0.2	2	0.4	0.4	0.1	3	1	3	0.2	0.03	0.6	0.04	0.04	0.04	1	0.5	1	0.2
ADA-179	0.1	--	0.2	0.3	0.03	0.5	--	0.4	0.02	0.01	--	0.02	0.03	0.002	0.05	--	0.04	0.002	0.1	2	0.2	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
ADA-180	0.1	--	0.3	0.3	0.04	0.6	--	0.5	0.05	0.01	--	0.02	0.03	0.004	0.05	--	0.05	0.005	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
ADA-181	0.1	--	0.2	0.3	0.04	0.6	--	0.6	0.04	0.01	--	0.02	0.02	0.004	0.05	--	0.05	0.004	0.2	2	0.2	0.3	0.1	3	1	3	0.2	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2
ADA-182	0.1	--	0.3	0.3	0.03	0.5	--	0.4	0.05	0.01	--	0.03	0.03	0.003	0.04	--	0.04	0.005	0.2	2	0.3	0.3	0.1	3	1	3	0.2	0.03	0.6	0.04	0.03	0.04	1	0.5	1	0.2
ADA-183	0.2	--	0.3	0.3	0.09	0.4	--	0.6	0.2	0.02	--	0.02	0.02	0.008	0.04	--	0.06	0.02	0.2	2	0.3	0.3	0.2	3	1	3	0.4	0.04	0.6	0.03	0.03	0.05	1	0.5	1	0.2
ADA-184	0.1	--	0.3	0.3	0.03	0.6	--	0.4	0.09	0.01	--	0.03	0.02	0.003	0.06	--	0.04	0.009	0.2	2	0.3	0.3	0.1	3	1	3	0.3	0.03	0.6	0.03	0.03	0.04	1	0.5	1	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-42. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Sturgeon

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
Indoor Air	--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																
Outdoor Air	--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02	**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**									**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Sturgeon)	ND	0.9	NA	NA	0.2	1	0.5	0.6	--	ND	0.3	NA	NA	0.08	0.4	0.2	0.2	--																
Upland Soil/Dust[a]	**Number of ADAs that exceed benchmark[c] for Soil/Dust:**									**Number of ADAs that exceed benchmark[c] for Soil/Dust:**																										
ADA	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	142	0	21	0	0	0	0	0	0	0	0	0
ADA-001	0.2	--	0.4	0.3	0.07	0.5	--	0.8	0.09	0.03	--	0.04	0.03	0.007	0.05	--	0.08	0.009	0.2	0.9	0.4	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.04	0.03	0.09	0.8	0.2	0.3	0.2
ADA-002	0.2	--	0.3	0.4	0.06	0.4	--	0.6	0.04	0.02	--	0.03	0.03	0.006	0.04	--	0.06	0.004	0.2	0.9	0.3	0.4	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-004	0.2	--	0.2	0.3	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.03	0.007	0.05	--	0.06	0.007	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
ADA-005	0.3	--	0.3	0.4	0.08	0.4	--	0.8	0.04	0.03	--	0.03	0.03	0.008	0.04	--	0.08	0.004	0.3	0.9	0.3	0.4	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-006	0.3	--	0.3	0.3	0.09	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.008	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-008	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.03	0.03	0.01	0.04	--	0.08	0.007	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-010	0.5	--	0.4	0.4	0.1	1	--	1	0.1	0.05	--	0.04	0.03	0.01	0.1	--	0.1	0.01	0.5	0.9	0.4	0.4	0.3	3	0.5	2	0.3	0.05	0.3	0.04	0.03	0.09	0.9	0.2	0.3	0.2
ADA-015	0.2	--	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	--	0.02	0.02	0.004	0.04	--	0.05	0.004	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
ADA-016	0.2	--	0.2	0.2	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.02	0.007	0.04	--	0.06	0.007	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.3	0.03	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
ADA-017	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.02	0.03	0.01	0.04	--	0.08	0.008	0.3	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
ADA-018	0.2	--	0.2	0.3	0.2	0.4	--	0.8	0.09	0.02	--	0.02	0.02	0.01	0.04	--	0.08	0.009	0.2	0.9	0.2	0.3	0.4	2	0.5	1	0.3	0.02	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
ADA-019	0.2	--	0.4	0.4	0.04	0.5	--	0.6	0.04	0.03	--	0.04	0.04	0.004	0.05	--	0.06	0.004	0.2	0.9	0.4	0.4	0.3	2	0.5	1	0.2	0.03	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
ADA-020	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
ADA-021	0.4	--	0.8	0.5	0.05	0.6	--	0.7	0.04	0.05	--	0.07	0.05	0.005	0.05	--	0.07	0.004	0.4	0.9	0.8	0.5	0.3	2	0.5	1	0.2	0.05	0.3	0.07	0.05	0.08	0.8	0.2	0.3	0.2
ADA-023	0.3	--	0.3	0.3	0.07	0.4	--	0.8	0.09	0.03	--	0.03	0.03	0.007	0.03	--	0.08	0.009	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-024	0.4	--	0.2	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	0.4	0.9	0.2	0.3	0.4	2	0.5	2	0.3	0.05	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
ADA-025	0.3	--	0.2	0.2	0.05	0.5	--	0.6	0.09	0.03	--	0.02	0.02	0.005	0.05	--	0.06	0.009	0.3	0.9	0.2	0.2	0.3	2	0.5	1	0.3	0.03	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
ADA-026	0.2	--	0.2	0.3	0.05	0.4	--	0.5	0.07	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.007	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
ADA-028	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.03	--	0.02	0.02	0.006	0.04	--	0.06	0.005	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.03	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
ADA-033	0.2	--	0.2	0.3	0.02	0.7	--	0.6	0.05	0.02	--	0.02	0.02	0.002	0.06	--	0.06	0.005	0.2	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
ADA-034	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
ADA-035	0.2	--	0.2	0.3	0.04	0.6	--	0.6	0.06	0.03	--	0.02	0.03	0.004	0.06	--	0.06	0.006	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
ADA-039	0.1	--	0.2	0.3	0.02	0.5	--	0.4	0.05	0.01	--	0.02	0.02	0.002	0.05	--	0.04	0.005	0.1	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
ADA-042	0.1	--	0.2	0.3	0.04	0.4	--	0.4	0.02	0.02	--	0.02	0.03	0.004	0.04	--	0.04	0.002	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
ADA-043	0.2	--	0.6	0.5	0.08	0.7	--	0.6	0.08	0.02	--	0.05	0.04	0.007	0.07	--	0.06	0.008	0.2	0.9	0.6	0.5	0.3	2	0.5	1	0.3	0.02	0.3	0.05	0.04	0.09	0.9	0.2	0.3	0.2
ADA-044	0.2	--	0.5	0.4	0.04	0.8	--	0.8	0.2	0.03	--	0.05	0.04	0.004	0.07	--	0.08	0.02	0.2	0.9	0.5	0.4	0.3	2	0.5	1	0.4	0.03	0.3	0.05	0.04	0.08	0.9	0.2	0.3	0.2
ADA-045	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.1	0.01	0.4	0.9	0.3	0.3	0.3	2	0.5	2	0.3	0.05	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-046	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.02	--	0.02	0.02	0.005	0.04	--	0.06	0.005	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
ADA-047	0.3	--	0.3	0.3	0.1	0.6	--	0.9	0.09	0.03	--	0.03	0.03	0.009	0.06	--	0.09	0.009	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-048	0.2	--	0.4	0.4	0.05	0.7	--	0.5	0.06	0.02	--	0.04	0.04	0.005	0.07	--	0.05	0.006	0.2	0.9	0.4	0.4	0.3	2	0.5	1	0.3	0.02	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
ADA-049	0.2	--	0.3	0.3	0.02	0.7	--	0.6	0.06	0.02	--	0.03	0.03	0.002	0.07	--	0.06	0.006	0.2	0.9	0.3	0.3	0.2	2	0.5	1	0.3	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
ADA-050	0.4	--	0.5	0.4	0.1	0.6	--	1	0.1	0.04	--	0.05	0.04	0.01	0.06	--	0.1	0.01	0.4	0.9	0.5	0.4	0.3	2	0.5	2	0.3	0.04	0.3	0.05	0.04	0.09	0.8	0.2	0.3	0.2
ADA-051	0.1	--	0.3	0.3	0.03	0.6	--	0.5	0.1	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.01	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.3	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
ADA-052	0.3	--	0.4	0.3	0.1	0.6	--	0.9	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.09	0.01	0.3	0.9	0.4	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-053	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.002	0.07	--	0.05	0.002	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.9	0.2	0.3	0.2
ADA-054	0.5	--	0.3	0.3	0.2	0.7	--	1	0.2	0.06	--	0.03	0.03	0.02	0.07	--	0.1	0.02	0.5	0.9	0.3	0.3	0.4	2	0.5	2	0.4	0.06	0.3	0.03	0.03	0.1	0.8	0.2	0.3	0.2
ADA-055	0.3	--	0.3	0.4	0.07	0.8	--	0.8	0.1	0.03	--	0.03	0.03	0.007	0.08	--	0.08	0.01	0.3	0.9	0.3	0.4	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.9	0.2	0.3	0.2
ADA-056	0.2	--	0.4	0.4	0.02	0.8	--	0.5	0.02	0.02	--	0.04	0.04	0.002	0.08	--	0.05	0.002	0.2	0.9	0.4	0.4	0.2	2	0.5	1	0.2	0.02	0.3	0.04	0.04	0.08	0.9	0.2	0.3	0.2
ADA-057	0.2	--	0.5	0.4	0.05	0.7	--	0.6	0.04	0.02	--	0.05	0.04	0.004	0.06	--	0.06	0.004	0.2	0.9	0.5	0.4	0.3	2	0.5	1	0.2	0.02	0.3	0.05	0.04	0.08	0.8	0.2	0.3	0.2
ADA-058	0.1	--	0.3	0.4	0.02	0.6	--	0.4	0.02	0.01	--	0.03	0.03	0.002	0.06	--	0.03	0.002	0.1	0.9	0.3	0.4	0.2	2	0.5	0.9	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.2	0.2
ADA-059	0.1	--	0.4	0.4	0.04	0.9	--	0.5	0.04	0.02	--	0.04	0.04	0.004	0.08	--	0.05	0.004	0.1	0.9	0.4	0.4	0.3	2	0.5	1	0.2	0.02	0.3	0.04	0.04	0.08	0.9	0.2	0.3	0.2
ADA-060	0.5	--	0.6	0.4	0.1	0.7	--	1	0.1	0.05	--	0.05	0.04	0.01	0.07	--	0.1	0.01	0.5	0.9	0.6	0.4	0.3	2	0.5	2	0.3	0.05	0.3	0.05	0.04	0.09	0.9	0.2	0.3	0.2
ADA-061	0.2	--	0.6	0.5	0.02	1	--	0.6	0.03	0.02	--	0.05	0.04	0.002	0.1	--	0.06	0.003	0.2	0.9	0.6	0.5	0.2	3	0.5	1	0.2	0.02	0.3	0.05	0.04	0.08	0.9	0.2	0.3	0.2
ADA-062	0.3	--	0.3	0.3	0.08	0.7	--	0.9	0.09	0.04	--	0.03	0.03	0.008	0.06	--	0.09	0.01	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.04	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-063	0.2	--	0.3	0.3	0.04	0.7	--	0.5	0.07	0.02	--	0.03	0.03	0.004	0.07	--	0.05	0.007	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.03	0.03	0.08	0.9	0.2	0.3	0.2
ADA-064	0.2	--	0.5	0.4	0.03	1	--	0.7	0.03	0.03	--	0.04	0.04	0.003	0.1	--	0.07	0.003	0.2	0.9	0.5	0.4	0.2	3	0.5	1	0.2	0.03	0.3	0.04	0.04	0.08	0.9	0.2	0.3	0.2
ADA-065	0.3	--	0.3	0.3	0.1	0.7	--	0.9	0.1	0.04	--	0.03	0.03	0.01	0.07	--	0.09	0.01	0.3	0.9	0.3	0.3	0.4	2	0.5	1	0.3	0.04	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-066	0.2	--	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.005	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
ADA-067	0.2	--	0.4	0.4	0.03	0.7	--	0.5	0.09	0.02	--	0.04	0.04	0.003	0.07	--	0.05	0.009	0.2	0.9	0.4	0.4	0.2	2	0.5	1	0.3	0.02	0.3	0.04	0.04	0.08	0.9	0.2	0.3	0.2
ADA-070	0.3	--	0.4	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.006	0.3	0.9	0.4	0.3	0.3	2	0.5	1	0.2	0.04	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-071	0.3	--	0.3	0.3	0.09	0.6	--	0.7	0.06	0.03	--	0.03	0.03	0.008	0.05	--	0.07	0.006	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-073	0.4	--	0.3	0.3	0.1	0.6	--	0.8	0.06	0.04	--	0.03	0.03	0.01	0.06	--	0.08	0.006	0.4	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.04	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-076	0.4	--	0.3	0.3	0.1	0.6	--	0.9	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.09	0.01	0.4	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.05	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-078	0.3	--	0.3	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.009	0.07	--	0.08	0.007	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.04	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-079	0.2	--	0.2	0.2	0.06	0.6	--	0.5	0.1	0.02	--	0.02	0.02	0.006	0.05	--	0.05	0.01	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.3	0.02	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
ADA-081	0.3	--	0.3	0.4	0.09	0.6	--	0.7	0.04	0.03	--	0.03	0.04	0.008	0.06	--	0.07	0.004	0.3	0.9	0.3	0.4	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.04	0.09	0.8	0.2	0.3	0.2
ADA-082	0.2	--	0.3	0.3	0.06	0.6	--	0.6	0.04	0.03	--	0.03	0.03	0.006	0.05	--	0.06	0.004	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-084	0.2	--	0.4	0.4	0.05	0.8	--	0.6	0.04	0.02	--	0.04	0.04	0.005	0.08	--	0.06	0.004	0.2	0.9	0.4	0.4	0.3	2	0.5	1	0.2	0.02	0.3	0.04	0.04	0.08	0.9	0.2	0.3	0.2

Table 5-42. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Sturgeon

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-085	0.2	--	0.3	0.4	0.04	0.7	--	0.6	0.05	0.02	--	0.03	0.03	0.004	0.06	--	0.06	0.005	0.2	0.9	0.3	0.4	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
ADA-088	0.3	--	0.5	0.4	0.09	1	--	0.9	0.09	0.04	--	0.05	0.04	0.009	0.1	--	0.09	0.009	0.3	0.9	0.5	0.4	0.3	3	0.5	1	0.3	0.04	0.3	0.05	0.04	0.09	0.9	0.2	0.3	0.2
ADA-089	0.4	--	0.5	0.4	0.09	1	--	0.9	0.08	0.05	--	0.04	0.04	0.009	0.1	--	0.09	0.008	0.4	0.9	0.5	0.4	0.3	3	0.5	1	0.3	0.05	0.3	0.04	0.04	0.09	0.9	0.2	0.3	0.2
ADA-090	0.2	--	0.4	0.4	0.08	0.9	--	0.7	0.07	0.02	--	0.03	0.03	0.007	0.08	--	0.07	0.007	0.2	0.9	0.4	0.4	0.3	2	0.5	1	0.3	0.02	0.3	0.03	0.03	0.09	0.9	0.2	0.3	0.2
ADA-091	0.3	--	0.4	0.3	0.08	0.7	--	0.8	0.09	0.04	--	0.04	0.03	0.007	0.07	--	0.08	0.009	0.3	0.9	0.4	0.3	0.3	2	0.5	1	0.3	0.04	0.3	0.04	0.03	0.09	0.8	0.2	0.3	0.2
ADA-092	0.3	--	0.3	0.3	0.05	0.8	--	0.8	0.08	0.04	--	0.03	0.03	0.005	0.08	--	0.08	0.008	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.04	0.3	0.03	0.03	0.08	0.9	0.2	0.3	0.2
ADA-093	0.3	--	0.3	0.3	0.04	0.9	--	0.7	0.04	0.03	--	0.03	0.03	0.004	0.09	--	0.07	0.004	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.08	0.9	0.2	0.3	0.2
ADA-094	0.2	--	0.3	0.4	0.03	0.6	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	0.2	0.9	0.3	0.4	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
ADA-095	0.3	--	0.5	0.4	0.05	0.9	--	0.7	0.03	0.03	--	0.04	0.04	0.005	0.08	--	0.07	0.003	0.3	0.9	0.5	0.4	0.3	2	0.5	1	0.2	0.03	0.3	0.04	0.04	0.09	0.9	0.2	0.3	0.2
ADA-096	0.3	--	0.3	0.3	0.08	0.8	--	0.7	0.08	0.03	--	0.03	0.03	0.008	0.08	--	0.07	0.008	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.9	0.2	0.3	0.2
ADA-097	0.4	--	0.4	0.4	0.1	0.9	--	1	0.1	0.05	--	0.04	0.03	0.01	0.09	--	0.1	0.01	0.4	0.9	0.4	0.4	0.4	2	0.5	2	0.3	0.05	0.3	0.04	0.03	0.09	0.9	0.2	0.3	0.2
ADA-099	0.4	--	0.4	0.4	0.07	1	--	0.9	0.06	0.04	--	0.04	0.04	0.007	0.09	--	0.09	0.006	0.4	0.9	0.4	0.4	0.3	2	0.5	1	0.3	0.04	0.3	0.04	0.04	0.09	0.9	0.2	0.3	0.2
ADA-101	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.04	0.03	--	0.03	0.03	0.009	0.05	--	0.07	0.004	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-102	0.2	--	0.3	0.4	0.04	0.7	--	0.5	0.03	0.02	--	0.03	0.03	0.004	0.06	--	0.05	0.003	0.2	0.9	0.3	0.4	0.3	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
ADA-103	0.2	--	0.5	0.5	0.06	1	--	0.6	0.05	0.03	--	0.05	0.04	0.006	0.1	--	0.06	0.005	0.2	0.9	0.5	0.5	0.3	3	0.5	1	0.2	0.03	0.3	0.05	0.04	0.09	0.9	0.2	0.3	0.2
ADA-104	0.1	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.06	--	0.04	0.002	0.1	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
ADA-105	0.3	--	0.4	0.4	0.07	0.7	--	0.7	0.07	0.03	--	0.04	0.03	0.006	0.06	--	0.07	0.007	0.3	0.9	0.4	0.4	0.3	2	0.5	1	0.3	0.03	0.3	0.04	0.03	0.09	0.8	0.2	0.3	0.2
ADA-106	0.1	--	0.3	0.3	0.04	0.7	--	0.4	0.03	0.02	--	0.03	0.03	0.003	0.06	--	0.04	0.003	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
ADA-107	0.2	--	0.5	0.4	0.03	1	--	0.7	0.05	0.03	--	0.05	0.03	0.003	0.09	--	0.07	0.005	0.2	0.9	0.5	0.4	0.2	3	0.5	1	0.2	0.03	0.3	0.05	0.03	0.08	0.9	0.2	0.3	0.2
ADA-108	0.2	--	0.4	0.3	0.06	0.6	--	0.6	0.06	0.02	--	0.04	0.03	0.005	0.06	--	0.06	0.006	0.2	0.9	0.4	0.3	0.3	2	0.5	1	0.3	0.02	0.3	0.04	0.03	0.09	0.8	0.2	0.3	0.2
ADA-109	0.3	--	0.3	0.3	0.1	0.6	--	0.8	0.09	0.04	--	0.03	0.03	0.01	0.05	--	0.08	0.009	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.04	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-110	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.07	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.007	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-111	0.2	--	0.4	0.4	0.03	0.8	--	0.6	0.03	0.02	--	0.04	0.04	0.003	0.07	--	0.06	0.003	0.2	0.9	0.4	0.4	0.2	2	0.5	1	0.2	0.02	0.3	0.04	0.04	0.08	0.9	0.2	0.3	0.2
ADA-112	0.2	--	0.4	0.4	0.03	1	--	0.5	0.04	0.02	--	0.03	0.04	0.003	0.09	--	0.05	0.004	0.2	0.9	0.4	0.4	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.04	0.08	0.9	0.2	0.3	0.2
ADA-113	0.2	--	0.3	0.3	0.03	1	--	0.6	0.03	0.02	--	0.03	0.03	0.003	0.09	--	0.06	0.004	0.2	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.9	0.2	0.3	0.2
ADA-114	0.3	--	0.3	0.3	0.02	0.9	--	0.6	0.03	0.03	--	0.03	0.03	0.002	0.08	--	0.06	0.003	0.3	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.08	0.9	0.2	0.3	0.2
ADA-115	0.2	--	0.3	0.3	0.04	0.6	--	0.5	0.03	0.02	--	0.02	0.03	0.004	0.06	--	0.05	0.003	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
ADA-116	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.02	0.03	--	0.02	0.03	0.004	0.05	--	0.05	0.002	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
ADA-117	0.3	--	0.3	0.3	0.06	0.8	--	0.6	0.05	0.03	--	0.03	0.03	0.006	0.07	--	0.06	0.005	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.09	0.9	0.2	0.3	0.2
ADA-118	0.2	--	0.4	0.4	0.05	0.9	--	0.6	0.06	0.03	--	0.03	0.03	0.004	0.09	--	0.06	0.006	0.2	0.9	0.4	0.4	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.08	0.9	0.2	0.3	0.2
ADA-119	0.2	--	0.3	0.3	0.05	0.7	--	0.6	0.05	0.03	--	0.03	0.03	0.005	0.06	--	0.06	0.005	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
ADA-121	0.3	--	0.4	0.4	0.07	0.9	--	0.8	0.07	0.03	--	0.04	0.04	0.007	0.08	--	0.08	0.007	0.3	0.9	0.4	0.4	0.3	2	0.5	1	0.3	0.03	0.3	0.04	0.04	0.09	0.9	0.2	0.3	0.2
ADA-122	0.1	--	0.3	0.3	0.02	0.7	--	0.4	0.02	0.02	--	0.03	0.03	0.002	0.06	--	0.04	0.002	0.1	0.9	0.3	0.3	0.2	2	0.5	0.9	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.2	0.2
ADA-124	0.2	--	0.2	0.2	0.08	0.3	--	0.5	0.03	0.02	--	0.01	0.02	0.007	0.03	--	0.05	0.003	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.01	0.02	0.09	0.8	0.2	0.3	0.2
ADA-125	0.3	--	0.2	0.2	0.05	0.4	--	0.6	0.02	0.03	--	0.02	0.02	0.005	0.03	--	0.06	0.002	0.3	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.03	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
ADA-126	0.4	--	0.2	0.2	0.09	0.5	--	0.9	0.09	0.05	--	0.02	0.02	0.009	0.04	--	0.09	0.009	0.4	0.9	0.2	0.2	0.3	2	0.5	1	0.3	0.05	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
ADA-127	0.3	--	0.5	0.4	0.07	0.6	--	0.7	0.08	0.04	--	0.04	0.03	0.006	0.06	--	0.07	0.008	0.3	0.9	0.5	0.4	0.3	2	0.5	1	0.3	0.04	0.3	0.04	0.03	0.09	0.8	0.2	0.3	0.2
ADA-128	0.2	--	0.2	0.2	0.1	0.3	--	0.7	0.1	0.03	--	0.01	0.02	0.01	0.03	--	0.07	0.01	0.2	0.9	0.2	0.2	0.3	2	0.5	1	0.3	0.03	0.3	0.01	0.02	0.09	0.8	0.2	0.3	0.2
ADA-131	0.4	--	0.2	0.3	0.1	0.5	--	0.9	0.09	0.04	--	0.02	0.02	0.01	0.04	--	0.09	0.009	0.4	0.9	0.2	0.3	0.3	2	0.5	2	0.3	0.04	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
ADA-132	0.1	--	0.2	0.2	0.04	0.2	--	0.5	0.03	0.02	--	0.02	0.02	0.004	0.02	--	0.05	0.003	0.1	0.9	0.2	0.2	0.3	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
ADA-133	0.3	--	0.3	0.3	0.09	0.6	--	0.8	0.08	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.008	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.04	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-135	0.1	--	0.2	0.3	0.04	0.3	--	0.4	0.04	0.01	--	0.02	0.02	0.004	0.03	--	0.04	0.004	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
ADA-136	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.05	--	0.08	0.01	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-139	0.3	--	0.3	0.3	0.08	0.5	--	0.7	0.06	0.03	--	0.03	0.03	0.007	0.05	--	0.07	0.006	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-140	0.4	--	0.2	0.3	0.1	0.3	--	1	0.1	0.04	--	0.02	0.03	0.01	0.02	--	0.1	0.01	0.4	0.9	0.2	0.3	0.4	2	0.5	2	0.3	0.04	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
ADA-141	0.3	--	0.3	0.3	0.05	0.6	--	0.7	0.04	0.03	--	0.03	0.03	0.005	0.06	--	0.07	0.004	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-142	0.4	--	0.2	0.3	0.2	0.6	--	1	0.2	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.02	0.4	0.9	0.2	0.3	0.4	2	0.5	2	0.3	0.04	0.3	0.02	0.03	0.1	0.8	0.2	0.3	0.2
ADA-143	0.3	--	0.3	0.3	0.1	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.01	0.05	--	0.07	0.008	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-144	0.8	--	0.2	0.3	0.4	0.7	--	2	0.2	0.09	--	0.02	0.03	0.04	0.07	--	0.2	0.02	0.8	0.9	0.2	0.3	0.6	2	0.5	2	0.4	0.09	0.3	0.02	0.03	0.1	0.8	0.2	0.4	0.2
ADA-145	0.3	--	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.08	0.01	0.3	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-146	0.4	--	0.3	0.3	0.1	0.5	--	0.9	0.1	0.04	--	0.02	0.03	0.01	0.05	--	0.09	0.01	0.4	0.9	0.3	0.3	0.3	2	0.5	1	0.3	0.04	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
ADA-147	0.5	--	0.2	0.3	0.3	0.4	--	1	0.1	0.06	--	0.02	0.02	0.03	0.04	--	0.1	0.01	0.5	0.9	0.2	0.3	0.5	2	0.5	2	0.3	0.06	0.3	0.02	0.02	0.1	0.8	0.2	0.3	0.2
ADA-148	0.3	--	0.2	0.2	0.1	0.3	--	0.9	0.08	0.03	--	0.02	0.02	0.009	0.03	--	0.09	0.008	0.3	0.9	0.2	0.2	0.3	2	0.5	1	0.3	0.03	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
ADA-150	0.5	--	0.2	0.3	0.2	0.4	--	1	0.1	0.05	--	0.02	0.02	0.02	0.04	--	0.1	0.01	0.5	0.9	0.2	0.3	0.4	2	0.5	2	0.3	0.05	0.3	0.02	0.02	0.1	0.8	0.2	0.3	0.2
ADA-151	0.3	--	0.2	0.3	0.1	0.2	--	1	0.06	0.04	--	0.02	0.02	0.01	0.02	--	0.1	0.006	0.3	0.9	0.2	0.3	0.4	2	0.5	2	0.3	0.04	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
ADA-152	0.5	--	0.3	0.4	0.08	0.6	--	1	0.07	0.06	--	0.03	0.04	0.007	0.06	--	0.1	0.007	0.5	0.9	0.3	0.4	0.3	2	0.5	2	0.3	0.06	0.3	0.03	0.04	0.09	0.8	0.2	0.3	0.2
ADA-153	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.01	0.06	--	0.1	0.01	0.4	0.9	0.3	0.3	0.3	2	0.5	2	0.3	0.05	0.3	0.03	0.03	0.09	0.8	0.2	0.3	0.2
ADA-154	0.4	--	0.4	0.3	0.1	0.6	--	0.9	0.09	0.04	--	0.04	0.03	0.01	0.06	--	0.09	0.009	0.4	0.9	0.4	0.3	0.3	2	0.5	1	0.3	0.04	0.3	0.04	0.03	0.09	0.8	0.2	0.3	0.2
ADA-155	0.3	--	0.2	0.2	0.1	0.5	--	0.8	0.07	0.04	--	0.02	0.02	0.01	0.05	--	0.08	0.007	0.3	0.9	0.2	0.2	0.4	2	0.5	1	0.3	0.04	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
ADA-156	0.2	--	0.2	0.3	0.1	0.4	--	0.7	0.06	0.03	--	0.02	0.03	0.01	0.04	--	0.07	0.007	0.2	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
ADA-158	0.4	--	0.2	0.3	0.2	0.3	--	0.9	0.08	0.04	--	0.02	0.02	0.02	0.03	--	0.09	0.008	0.4	0.9	0.2	0.3	0.4	2	0.5	2	0.3	0.04	0.3	0.02	0.02	0.1	0.8	0.2	0.3	0.2
ADA-159	0.4	--	0.4	0.3	0.2	0.7	--	0.9	0.1	0.04	--	0.04	0.03	0.02	0.06	--	0.09	0.01	0.4	0.9	0.4	0.3	0.4	2	0.5	1	0.3	0.04	0.3	0.04	0.03	0.1	0.8	0.2	0.3	0.2

Table 5-42. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Sturgeon

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-160	0.4	--	0.2	0.2	0.1	0.4	--	0.8	0.08	0.04	--	0.02	0.02	0.01	0.04	--	0.08	0.008	0.4	0.9	0.2	0.2	0.3	2	0.5	1	0.3	0.04	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
ADA-161	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	--	0.02	0.02	0.01	0.05	--	0.08	0.009	0.3	0.9	0.2	0.3	0.3	2	0.5	1	0.3	0.03	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
ADA-162	0.5	--	0.2	0.3	0.4	0.4	--	2	0.2	0.06	--	0.02	0.02	0.04	0.04	--	0.2	0.02	0.5	0.9	0.2	0.3	0.6	2	0.5	2	0.4	0.06	0.3	0.02	0.02	0.1	0.8	0.2	0.4	0.2
ADA-164	0.4	--	0.3	0.3	0.2	0.5	--	1	0.1	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.01	0.4	0.9	0.3	0.3	0.4	2	0.5	2	0.3	0.04	0.3	0.02	0.03	0.1	0.8	0.2	0.3	0.2
ADA-165	0.4	--	0.3	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	0.4	0.9	0.3	0.3	0.4	2	0.5	2	0.3	0.05	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
ADA-168	0.4	--	0.2	0.3	0.1	0.5	--	1	0.09	0.05	--	0.02	0.03	0.01	0.04	--	0.1	0.009	0.4	0.9	0.2	0.3	0.3	2	0.5	2	0.3	0.05	0.3	0.02	0.03	0.09	0.8	0.2	0.3	0.2
ADA-169	0.1	--	0.3	0.4	0.01	0.6	--	0.3	0.007	0.01	--	0.03	0.03	0.001	0.05	--	0.03	0.0007	0.1	0.9	0.3	0.4	0.2	2	0.5	0.9	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.2	0.2
ADA-170	0.2	--	0.3	0.4	0.03	0.5	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.002	0.2	0.9	0.3	0.4	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
ADA-171	0.2	--	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
ADA-172	0.09	--	0.2	0.3	0.02	0.5	--	0.3	0.006	0.01	--	0.02	0.02	0.002	0.05	--	0.03	0.0006	0.09	0.9	0.2	0.3	0.2	2	0.5	0.9	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.2	0.2
ADA-173	0.2	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.05	--	0.04	0.002	0.2	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.02	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
ADA-174	0.1	--	0.2	0.2	0.03	0.6	--	0.4	0.03	0.02	--	0.02	0.02	0.003	0.06	--	0.04	0.003	0.1	0.9	0.2	0.2	0.2	2	0.5	1	0.2	0.02	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
ADA-175	0.1	--	0.4	0.3	0.02	0.7	--	0.4	0.01	0.01	--	0.03	0.03	0.002	0.07	--	0.04	0.001	0.1	0.9	0.4	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
ADA-176	0.1	--	0.6	0.5	0.02	0.8	--	0.6	0.01	0.01	--	0.06	0.04	0.002	0.07	--	0.06	0.001	0.1	0.9	0.6	0.5	0.2	2	0.5	1	0.2	0.01	0.3	0.06	0.04	0.08	0.9	0.2	0.3	0.2
ADA-177	0.1	--	0.4	0.4	0.01	0.6	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.06	--	0.04	0.0007	0.1	0.9	0.4	0.4	0.2	2	0.5	1	0.2	0.02	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
ADA-178	0.1	--	0.4	0.4	0.02	0.5	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.05	--	0.04	0.0007	0.1	0.9	0.4	0.4	0.2	2	0.5	0.9	0.2	0.02	0.3	0.04	0.04	0.08	0.8	0.2	0.3	0.2
ADA-179	0.1	--	0.2	0.3	0.03	0.5	--	0.4	0.02	0.01	--	0.02	0.03	0.002	0.05	--	0.04	0.002	0.1	0.9	0.2	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
ADA-180	0.1	--	0.3	0.3	0.04	0.6	--	0.5	0.05	0.01	--	0.02	0.03	0.004	0.05	--	0.05	0.005	0.1	0.9	0.3	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.03	0.08	0.8	0.2	0.3	0.2
ADA-181	0.1	--	0.2	0.3	0.04	0.6	--	0.6	0.04	0.01	--	0.02	0.02	0.004	0.05	--	0.05	0.004	0.1	0.9	0.2	0.3	0.3	2	0.5	1	0.2	0.01	0.3	0.02	0.02	0.08	0.8	0.2	0.3	0.2
ADA-182	0.1	--	0.3	0.3	0.03	0.5	--	0.4	0.05	0.01	--	0.03	0.03	0.003	0.04	--	0.04	0.005	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.2	0.01	0.3	0.03	0.03	0.08	0.8	0.2	0.3	0.2
ADA-183	0.2	--	0.3	0.3	0.09	0.4	--	0.6	0.2	0.02	--	0.02	0.02	0.008	0.04	--	0.06	0.02	0.2	0.9	0.3	0.3	0.3	2	0.5	1	0.4	0.02	0.3	0.02	0.02	0.09	0.8	0.2	0.3	0.2
ADA-184	0.1	--	0.3	0.3	0.03	0.6	--	0.4	0.09	0.01	--	0.03	0.02	0.003	0.06	--	0.04	0.009	0.1	0.9	0.3	0.3	0.2	2	0.5	1	0.3	0.01	0.3	0.03	0.02	0.08	0.8	0.2	0.3	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-43. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Sucker

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
Indoor Air	--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																
Outdoor Air	--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02	Number of ADAs that exceed benchmark[c] when risk is summed across pathways:									Number of ADAs that exceed benchmark[c] when risk is summed across pathways:								
Fish (Sucker)	0.04	3	0.03	0.1	0.08	3	2	1	--	0.02	1	0.01	0.04	0.03	1	0.7	0.5	--																
Upland Soil/Dust[a]	Number of ADAs that exceed benchmark[c] for Soil/Dust:									Number of ADAs that exceed benchmark[c] for Soil/Dust:																										
ADA	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	142	0	0	0	142	142	142	0	0	0	0	0	0	142	0	0	0
ADA-001	0.2	--	0.4	0.3	0.07	0.5	--	0.8	0.09	0.03	--	0.04	0.03	0.007	0.05	--	0.08	0.009	0.3	3	0.4	0.4	0.2	4	2	2	0.3	0.04	1	0.05	0.07	0.04	2	0.7	0.6	0.2
ADA-002	0.2	--	0.3	0.4	0.06	0.4	--	0.6	0.04	0.02	--	0.03	0.03	0.006	0.04	--	0.06	0.004	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-004	0.2	--	0.2	0.3	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.03	0.007	0.05	--	0.06	0.007	0.3	3	0.3	0.4	0.1	4	2	2	0.3	0.04	1	0.03	0.07	0.04	2	0.7	0.6	0.2
ADA-005	0.3	--	0.3	0.4	0.08	0.4	--	0.8	0.04	0.03	--	0.03	0.03	0.008	0.04	--	0.08	0.004	0.3	3	0.4	0.5	0.2	4	2	2	0.2	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-006	0.3	--	0.3	0.3	0.09	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.008	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-008	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.03	0.03	0.01	0.04	--	0.08	0.007	0.4	3	0.3	0.5	0.2	4	2	2	0.3	0.05	1	0.03	0.07	0.04	2	0.7	0.6	0.2
ADA-010	0.5	--	0.4	0.4	0.1	1	--	1	0.1	0.05	--	0.04	0.03	0.01	0.1	--	0.1	0.01	0.5	3	0.4	0.5	0.2	5	2	2	0.3	0.07	1	0.05	0.07	0.04	2	0.7	0.6	0.2
ADA-015	0.2	--	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	--	0.02	0.02	0.004	0.04	--	0.05	0.004	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
ADA-016	0.2	--	0.2	0.2	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.02	0.007	0.04	--	0.06	0.007	0.3	3	0.2	0.3	0.2	4	2	2	0.3	0.04	1	0.03	0.06	0.04	2	0.7	0.6	0.2
ADA-017	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.02	0.03	0.01	0.04	--	0.08	0.008	0.4	3	0.2	0.4	0.2	4	2	2	0.3	0.05	1	0.03	0.07	0.04	2	0.7	0.6	0.2
ADA-018	0.2	--	0.2	0.3	0.2	0.4	--	0.8	0.09	0.02	--	0.02	0.02	0.01	0.04	--	0.08	0.009	0.2	3	0.2	0.4	0.2	4	2	2	0.3	0.04	1	0.03	0.07	0.04	2	0.7	0.6	0.2
ADA-019	0.2	--	0.4	0.4	0.04	0.5	--	0.6	0.04	0.03	--	0.04	0.04	0.004	0.05	--	0.06	0.004	0.3	3	0.4	0.6	0.1	4	2	2	0.2	0.04	1	0.05	0.08	0.03	2	0.7	0.6	0.2
ADA-020	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
ADA-021	0.4	--	0.8	0.5	0.05	0.6	--	0.7	0.04	0.05	--	0.07	0.05	0.005	0.05	--	0.07	0.004	0.5	3	0.8	0.6	0.1	4	2	2	0.2	0.06	1	0.08	0.09	0.03	2	0.7	0.6	0.2
ADA-023	0.3	--	0.3	0.3	0.07	0.4	--	0.8	0.09	0.03	--	0.03	0.03	0.007	0.03	--	0.08	0.009	0.3	3	0.4	0.4	0.1	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-024	0.4	--	0.2	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	0.5	3	0.2	0.4	0.2	4	2	2	0.3	0.06	1	0.03	0.07	0.04	2	0.7	0.6	0.2
ADA-025	0.3	--	0.2	0.2	0.05	0.5	--	0.6	0.09	0.03	--	0.02	0.02	0.005	0.05	--	0.06	0.009	0.3	3	0.2	0.3	0.1	4	2	2	0.3	0.04	1	0.03	0.06	0.03	2	0.7	0.6	0.2
ADA-026	0.2	--	0.2	0.3	0.05	0.4	--	0.5	0.07	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.007	0.2	3	0.3	0.4	0.1	4	2	2	0.3	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
ADA-028	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.03	--	0.02	0.02	0.006	0.04	--	0.06	0.005	0.3	3	0.2	0.3	0.1	4	2	2	0.2	0.04	1	0.03	0.06	0.04	2	0.7	0.6	0.2
ADA-033	0.2	--	0.2	0.3	0.02	0.7	--	0.6	0.05	0.02	--	0.02	0.02	0.002	0.06	--	0.06	0.005	0.2	3	0.2	0.4	0.1	4	2	2	0.2	0.04	1	0.03	0.06	0.03	2	0.7	0.6	0.2
ADA-034	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
ADA-035	0.2	--	0.2	0.3	0.04	0.6	--	0.6	0.06	0.03	--	0.02	0.03	0.004	0.06	--	0.06	0.006	0.3	3	0.2	0.4	0.1	4	2	2	0.2	0.04	1	0.03	0.07	0.03	2	0.7	0.6	0.2
ADA-039	0.1	--	0.2	0.3	0.02	0.5	--	0.4	0.05	0.01	--	0.02	0.02	0.002	0.05	--	0.04	0.005	0.1	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
ADA-042	0.1	--	0.2	0.3	0.04	0.4	--	0.4	0.02	0.02	--	0.02	0.03	0.004	0.04	--	0.04	0.002	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
ADA-043	0.2	--	0.6	0.5	0.08	0.7	--	0.6	0.08	0.02	--	0.05	0.04	0.007	0.07	--	0.06	0.008	0.3	3	0.6	0.6	0.2	4	2	2	0.3	0.04	1	0.06	0.09	0.04	2	0.7	0.6	0.2
ADA-044	0.2	--	0.5	0.4	0.04	0.8	--	0.8	0.2	0.03	--	0.05	0.04	0.004	0.07	--	0.08	0.02	0.3	3	0.5	0.5	0.1	4	2	2	0.4	0.04	1	0.06	0.08	0.03	2	0.7	0.6	0.2
ADA-045	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.1	0.01	0.5	3	0.3	0.4	0.2	4	2	2	0.3	0.06	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-046	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.02	--	0.02	0.02	0.005	0.04	--	0.06	0.005	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.04	1	0.03	0.06	0.04	2	0.7	0.6	0.2
ADA-047	0.3	--	0.3	0.3	0.1	0.6	--	0.9	0.09	0.03	--	0.03	0.03	0.009	0.06	--	0.09	0.009	0.3	3	0.4	0.5	0.2	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-048	0.2	--	0.4	0.4	0.05	0.7	--	0.5	0.06	0.02	--	0.04	0.04	0.005	0.07	--	0.05	0.006	0.2	3	0.4	0.5	0.1	4	2	2	0.3	0.03	1	0.05	0.08	0.03	2	0.7	0.5	0.2
ADA-049	0.2	--	0.3	0.3	0.02	0.7	--	0.6	0.06	0.02	--	0.03	0.03	0.002	0.07	--	0.06	0.006	0.2	3	0.3	0.4	0.1	4	2	2	0.3	0.03	1	0.04	0.07	0.03	2	0.7	0.6	0.2
ADA-050	0.4	--	0.5	0.4	0.1	0.6	--	1	0.1	0.04	--	0.05	0.04	0.01	0.06	--	0.1	0.01	0.4	3	0.6	0.5	0.2	4	2	3	0.3	0.06	1	0.06	0.08	0.04	2	0.7	0.6	0.2
ADA-051	0.1	--	0.3	0.3	0.03	0.6	--	0.5	0.1	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.01	0.2	3	0.4	0.4	0.1	4	2	2	0.3	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
ADA-052	0.3	--	0.4	0.3	0.1	0.6	--	0.9	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.09	0.01	0.4	3	0.4	0.4	0.2	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-053	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.002	0.07	--	0.05	0.002	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
ADA-054	0.5	--	0.3	0.3	0.2	0.7	--	1	0.2	0.06	--	0.03	0.03	0.02	0.07	--	0.1	0.02	0.6	3	0.4	0.4	0.3	4	2	2	0.4	0.07	1	0.04	0.07	0.05	2	0.7	0.6	0.2
ADA-055	0.3	--	0.3	0.4	0.07	0.8	--	0.8	0.1	0.03	--	0.03	0.03	0.007	0.08	--	0.08	0.01	0.3	3	0.4	0.5	0.2	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-056	0.2	--	0.4	0.4	0.02	0.8	--	0.5	0.02	0.02	--	0.04	0.04	0.002	0.08	--	0.05	0.002	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.05	0.08	0.03	2	0.7	0.5	0.2
ADA-057	0.2	--	0.5	0.4	0.05	0.7	--	0.6	0.04	0.02	--	0.05	0.04	0.004	0.06	--	0.06	0.004	0.2	3	0.5	0.5	0.1	4	2	2	0.2	0.03	1	0.06	0.08	0.03	2	0.7	0.6	0.2
ADA-058	0.1	--	0.3	0.4	0.02	0.6	--	0.4	0.02	0.01	--	0.03	0.03	0.002	0.06	--	0.03	0.002	0.1	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
ADA-059	0.1	--	0.4	0.4	0.04	0.9	--	0.5	0.04	0.02	--	0.04	0.04	0.004	0.08	--	0.05	0.004	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.05	0.08	0.03	2	0.7	0.5	0.2
ADA-060	0.5	--	0.6	0.4	0.1	0.7	--	1	0.1	0.05	--	0.05	0.04	0.01	0.07	--	0.1	0.01	0.5	3	0.6	0.5	0.2	4	2	3	0.3	0.07	1	0.06	0.08	0.04	2	0.7	0.6	0.2
ADA-061	0.2	--	0.6	0.5	0.02	1	--	0.6	0.03	0.02	--	0.05	0.04	0.002	0.1	--	0.06	0.003	0.2	3	0.6	0.6	0.1	5	2	2	0.2	0.03	1	0.06	0.08	0.03	2	0.7	0.6	0.2
ADA-062	0.3	--	0.3	0.3	0.08	0.7	--	0.9	0.09	0.04	--	0.03	0.03	0.008	0.06	--	0.09	0.01	0.4	3	0.4	0.5	0.2	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-063	0.2	--	0.3	0.3	0.04	0.7	--	0.5	0.07	0.02	--	0.03	0.03	0.004	0.07	--	0.05	0.007	0.2	3	0.4	0.4	0.1	4	2	2	0.3	0.04	1	0.04	0.07	0.03	2	0.7	0.5	0.2
ADA-064	0.2	--	0.5	0.4	0.03	1	--	0.7	0.03	0.03	--	0.04	0.04	0.003	0.1	--	0.07	0.003	0.3	3	0.5	0.6	0.1	4	2	2	0.2	0.04	1	0.05	0.08	0.03	2	0.7	0.6	0.2
ADA-065	0.3	--	0.3	0.3	0.1	0.7	--	0.9	0.1	0.04	--	0.03	0.03	0.01	0.07	--	0.09	0.01	0.4	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-066	0.2	--	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.005	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.03	0.07	0.03	2	0.7	0.5	0.2
ADA-067	0.2	--	0.4	0.4	0.03	0.7	--	0.5	0.09	0.02	--	0.04	0.04	0.003	0.07	--	0.05	0.009	0.2	3	0.4	0.5	0.1	4	2	2	0.3	0.03	1	0.05	0.08	0.03	2	0.7	0.5	0.2
ADA-070	0.3	--	0.4	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.006	0.4	3	0.4	0.5	0.2	4	2	2	0.2	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-071	0.3	--	0.3	0.3	0.09	0.6	--	0.7	0.06	0.03	--	0.03	0.03	0.008	0.05	--	0.07	0.006	0.3	3	0.3	0.4	0.2	4	2	2	0.2	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-073	0.4	--	0.3	0.3	0.1	0.6	--	0.8	0.06	0.04	--	0.03	0.03	0.01	0.06	--	0.08	0.006	0.4	3	0.3	0.4	0.2	4	2	2	0.3	0.06	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-076	0.4	--	0.3	0.3	0.1	0.6	--	0.9	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.09	0.01	0.5	3	0.3	0.4	0.2	4	2	2	0.3	0.06	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-078	0.3	--	0.3	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.009	0.07	--	0.08	0.007	0.4	3	0.3	0.5	0.2	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-079	0.2	--	0.2	0.2	0.06	0.6	--	0.5	0.1	0.02	--	0.02	0.02	0.006	0.05	--	0.05	0.01	0.2	3	0.3	0.4	0.1	4	2	2	0.3	0.04	1	0.03	0.06	0.04	2	0.7	0.5	0.2
ADA-081	0.3	--	0.3	0.4	0.09	0.6	--	0.7	0.04	0.03	--	0.03	0.04	0.008	0.06	--	0.07	0.004	0.3	3	0.4	0.5	0.2	4	2	2	0.2	0.04	1	0.04	0.08	0.04	2	0.7	0.6	0.2
ADA-082	0.2	--	0.3	0.3	0.06	0.6	--	0.6	0.04	0.03	--	0.03	0.03	0.006	0.05	--	0.06	0.004	0.3	3	0.4	0.4	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-084	0.2	--	0.4	0.4	0.05	0.8	--	0.6	0.04	0.02	--	0.04	0.04	0.005	0.08	--	0.06	0.004	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.04	1	0.05	0.08	0.03	2	0.7	0.6	0.2

Table 5-43. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Sucker

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-085	0.2	--	0.3	0.4	0.04	0.7	--	0.6	0.05	0.02	--	0.03	0.03	0.004	0.06	--	0.06	0.005	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.04	0.08	0.03	2	0.7	0.6	0.2
ADA-088	0.3	--	0.5	0.4	0.09	1	--	0.9	0.09	0.04	--	0.05	0.04	0.009	0.1	--	0.09	0.009	0.4	3	0.6	0.6	0.2	4	2	2	0.3	0.05	1	0.06	0.08	0.04	2	0.7	0.6	0.2
ADA-089	0.4	--	0.5	0.4	0.09	1	--	0.9	0.08	0.05	--	0.04	0.04	0.009	0.1	--	0.09	0.008	0.5	3	0.5	0.5	0.2	5	2	2	0.3	0.06	1	0.05	0.08	0.04	2	0.7	0.6	0.2
ADA-090	0.2	--	0.4	0.4	0.08	0.9	--	0.7	0.07	0.02	--	0.03	0.03	0.007	0.08	--	0.07	0.007	0.2	3	0.4	0.5	0.2	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-091	0.3	--	0.4	0.3	0.08	0.7	--	0.8	0.09	0.04	--	0.04	0.03	0.007	0.07	--	0.08	0.009	0.4	3	0.4	0.4	0.2	4	2	2	0.3	0.05	1	0.05	0.07	0.04	2	0.7	0.6	0.2
ADA-092	0.3	--	0.3	0.3	0.05	0.8	--	0.8	0.08	0.04	--	0.03	0.03	0.005	0.08	--	0.08	0.008	0.4	3	0.4	0.5	0.1	4	2	2	0.3	0.05	1	0.04	0.07	0.03	2	0.7	0.6	0.2
ADA-093	0.3	--	0.3	0.3	0.04	0.9	--	0.7	0.04	0.03	--	0.03	0.03	0.004	0.09	--	0.07	0.004	0.3	3	0.3	0.4	0.1	4	2	2	0.2	0.05	1	0.04	0.07	0.03	2	0.7	0.6	0.2
ADA-094	0.2	--	0.3	0.4	0.03	0.6	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.03	2	0.7	0.5	0.2
ADA-095	0.3	--	0.5	0.4	0.05	0.9	--	0.7	0.03	0.03	--	0.04	0.04	0.005	0.08	--	0.07	0.003	0.3	3	0.5	0.5	0.1	4	2	2	0.2	0.05	1	0.05	0.08	0.04	2	0.7	0.6	0.2
ADA-096	0.3	--	0.3	0.3	0.08	0.8	--	0.7	0.08	0.03	--	0.03	0.03	0.008	0.08	--	0.07	0.008	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-097	0.4	--	0.4	0.4	0.1	0.9	--	1	0.1	0.05	--	0.04	0.03	0.01	0.09	--	0.1	0.01	0.5	3	0.4	0.5	0.2	4	2	2	0.3	0.06	1	0.05	0.07	0.04	2	0.7	0.6	0.2
ADA-099	0.4	--	0.4	0.4	0.07	1	--	0.9	0.06	0.04	--	0.04	0.04	0.007	0.09	--	0.09	0.006	0.4	3	0.5	0.5	0.2	4	2	2	0.3	0.06	1	0.05	0.08	0.04	2	0.7	0.6	0.2
ADA-101	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.04	0.03	--	0.03	0.03	0.009	0.05	--	0.07	0.004	0.3	3	0.4	0.5	0.2	4	2	2	0.2	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-102	0.2	--	0.3	0.4	0.04	0.7	--	0.5	0.03	0.02	--	0.03	0.03	0.004	0.06	--	0.05	0.003	0.3	3	0.4	0.5	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.03	2	0.7	0.6	0.2
ADA-103	0.2	--	0.5	0.5	0.06	1	--	0.6	0.05	0.03	--	0.05	0.04	0.006	0.1	--	0.06	0.005	0.3	3	0.6	0.6	0.1	4	2	2	0.2	0.04	1	0.06	0.08	0.04	2	0.7	0.6	0.2
ADA-104	0.1	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.06	--	0.04	0.002	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
ADA-105	0.3	--	0.4	0.4	0.07	0.7	--	0.7	0.07	0.03	--	0.04	0.03	0.006	0.06	--	0.07	0.007	0.3	3	0.4	0.5	0.1	4	2	2	0.3	0.04	1	0.05	0.07	0.04	2	0.7	0.6	0.2
ADA-106	0.1	--	0.3	0.3	0.04	0.7	--	0.4	0.03	0.02	--	0.03	0.03	0.003	0.06	--	0.04	0.003	0.2	3	0.4	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
ADA-107	0.2	--	0.5	0.4	0.03	1	--	0.7	0.05	0.03	--	0.05	0.03	0.003	0.09	--	0.07	0.005	0.3	3	0.5	0.5	0.1	4	2	2	0.2	0.04	1	0.06	0.08	0.03	2	0.7	0.6	0.2
ADA-108	0.2	--	0.4	0.3	0.06	0.6	--	0.6	0.06	0.02	--	0.04	0.03	0.005	0.06	--	0.06	0.006	0.2	3	0.4	0.4	0.1	4	2	2	0.3	0.04	1	0.05	0.07	0.04	2	0.7	0.6	0.2
ADA-109	0.3	--	0.3	0.3	0.1	0.6	--	0.8	0.09	0.04	--	0.03	0.03	0.01	0.05	--	0.08	0.009	0.4	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-110	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.07	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.007	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-111	0.2	--	0.4	0.4	0.03	0.8	--	0.6	0.03	0.02	--	0.04	0.04	0.003	0.07	--	0.06	0.003	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.04	1	0.05	0.08	0.03	2	0.7	0.6	0.2
ADA-112	0.2	--	0.4	0.4	0.03	1	--	0.5	0.04	0.02	--	0.03	0.04	0.003	0.09	--	0.05	0.004	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.04	1	0.04	0.08	0.03	2	0.7	0.5	0.2
ADA-113	0.2	--	0.3	0.3	0.03	1	--	0.6	0.03	0.02	--	0.03	0.03	0.003	0.09	--	0.06	0.004	0.3	3	0.4	0.5	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.03	2	0.7	0.6	0.2
ADA-114	0.3	--	0.3	0.3	0.02	0.9	--	0.6	0.03	0.03	--	0.03	0.03	0.002	0.08	--	0.06	0.003	0.3	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.03	2	0.7	0.6	0.2
ADA-115	0.2	--	0.3	0.3	0.04	0.6	--	0.5	0.03	0.02	--	0.02	0.03	0.004	0.06	--	0.05	0.003	0.3	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.03	0.07	0.03	2	0.7	0.5	0.2
ADA-116	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.02	0.03	--	0.02	0.03	0.004	0.05	--	0.05	0.002	0.3	3	0.3	0.4	0.1	4	2	2	0.2	0.04	1	0.03	0.07	0.03	2	0.7	0.5	0.2
ADA-117	0.3	--	0.3	0.3	0.06	0.8	--	0.6	0.05	0.03	--	0.03	0.03	0.006	0.07	--	0.06	0.005	0.3	3	0.3	0.4	0.1	4	2	2	0.2	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-118	0.2	--	0.4	0.4	0.05	0.9	--	0.6	0.06	0.03	--	0.03	0.03	0.004	0.09	--	0.06	0.006	0.3	3	0.4	0.5	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.03	2	0.7	0.6	0.2
ADA-119	0.2	--	0.3	0.3	0.05	0.7	--	0.6	0.05	0.03	--	0.03	0.03	0.005	0.06	--	0.06	0.005	0.3	3	0.4	0.4	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.03	2	0.7	0.6	0.2
ADA-121	0.3	--	0.4	0.4	0.07	0.9	--	0.8	0.07	0.03	--	0.04	0.04	0.007	0.08	--	0.08	0.007	0.3	3	0.5	0.5	0.2	4	2	2	0.3	0.05	1	0.05	0.08	0.04	2	0.7	0.6	0.2
ADA-122	0.1	--	0.3	0.3	0.02	0.7	--	0.4	0.02	0.02	--	0.03	0.03	0.002	0.06	--	0.04	0.002	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
ADA-124	0.2	--	0.2	0.2	0.08	0.3	--	0.5	0.03	0.02	--	0.01	0.02	0.007	0.03	--	0.05	0.003	0.2	3	0.2	0.3	0.2	4	2	2	0.2	0.04	1	0.02	0.06	0.04	2	0.7	0.5	0.2
ADA-125	0.3	--	0.2	0.2	0.05	0.4	--	0.6	0.02	0.03	--	0.02	0.02	0.005	0.03	--	0.06	0.002	0.3	3	0.2	0.3	0.1	4	2	2	0.2	0.04	1	0.03	0.06	0.04	2	0.7	0.6	0.2
ADA-126	0.4	--	0.2	0.2	0.09	0.5	--	0.9	0.09	0.05	--	0.02	0.02	0.009	0.04	--	0.09	0.009	0.5	3	0.2	0.4	0.2	4	2	2	0.3	0.06	1	0.03	0.06	0.04	2	0.7	0.6	0.2
ADA-127	0.3	--	0.5	0.4	0.07	0.6	--	0.7	0.08	0.04	--	0.04	0.03	0.006	0.06	--	0.07	0.008	0.4	3	0.5	0.5	0.1	4	2	2	0.3	0.05	1	0.05	0.07	0.04	2	0.7	0.6	0.2
ADA-128	0.2	--	0.2	0.2	0.1	0.3	--	0.7	0.1	0.03	--	0.01	0.02	0.01	0.03	--	0.07	0.01	0.3	3	0.2	0.3	0.2	4	2	2	0.3	0.04	1	0.02	0.06	0.04	2	0.7	0.6	0.2
ADA-131	0.4	--	0.2	0.3	0.1	0.5	--	0.9	0.09	0.04	--	0.02	0.02	0.01	0.04	--	0.09	0.009	0.4	3	0.3	0.4	0.2	4	2	2	0.3	0.06	1	0.03	0.06	0.04	2	0.7	0.6	0.2
ADA-132	0.1	--	0.2	0.2	0.04	0.2	--	0.5	0.03	0.02	--	0.02	0.02	0.004	0.02	--	0.05	0.003	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
ADA-133	0.3	--	0.3	0.3	0.09	0.6	--	0.8	0.08	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.008	0.4	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-135	0.1	--	0.2	0.3	0.04	0.3	--	0.4	0.04	0.01	--	0.02	0.02	0.004	0.03	--	0.04	0.004	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
ADA-136	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.05	--	0.08	0.01	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-139	0.3	--	0.3	0.3	0.08	0.5	--	0.7	0.06	0.03	--	0.03	0.03	0.007	0.05	--	0.07	0.006	0.3	3	0.4	0.4	0.2	4	2	2	0.2	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-140	0.4	--	0.2	0.3	0.1	0.3	--	1	0.1	0.04	--	0.02	0.03	0.01	0.02	--	0.1	0.01	0.4	3	0.3	0.4	0.2	4	2	2	0.3	0.06	1	0.03	0.07	0.04	2	0.7	0.6	0.2
ADA-141	0.3	--	0.3	0.3	0.05	0.6	--	0.7	0.04	0.03	--	0.03	0.03	0.005	0.06	--	0.07	0.004	0.3	3	0.4	0.5	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-142	0.4	--	0.2	0.3	0.2	0.6	--	1	0.2	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.02	0.4	3	0.3	0.4	0.3	4	2	2	0.3	0.06	1	0.03	0.07	0.05	2	0.7	0.6	0.2
ADA-143	0.3	--	0.3	0.3	0.1	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.01	0.05	--	0.07	0.008	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.04	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-144	0.8	--	0.2	0.3	0.4	0.7	--	2	0.2	0.09	--	0.02	0.03	0.04	0.07	--	0.2	0.02	0.8	3	0.3	0.4	0.5	4	2	3	0.4	0.1	1	0.03	0.07	0.07	2	0.7	0.7	0.2
ADA-145	0.3	--	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.08	0.01	0.3	3	0.4	0.4	0.2	4	2	2	0.3	0.05	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-146	0.4	--	0.3	0.3	0.1	0.5	--	0.9	0.1	0.04	--	0.02	0.03	0.01	0.05	--	0.09	0.01	0.4	3	0.3	0.4	0.2	4	2	2	0.3	0.06	1	0.03	0.07	0.04	2	0.7	0.6	0.2
ADA-147	0.5	--	0.2	0.3	0.3	0.4	--	1	0.1	0.06	--	0.02	0.02	0.03	0.04	--	0.1	0.01	0.6	3	0.2	0.4	0.4	4	2	3	0.3	0.07	1	0.03	0.06	0.06	2	0.7	0.6	0.2
ADA-148	0.3	--	0.2	0.2	0.1	0.3	--	0.9	0.08	0.03	--	0.02	0.02	0.009	0.03	--	0.09	0.008	0.4	3	0.2	0.4	0.2	4	2	2	0.3	0.05	1	0.03	0.06	0.04	2	0.7	0.6	0.2
ADA-150	0.5	--	0.2	0.3	0.2	0.4	--	1	0.1	0.05	--	0.02	0.02	0.02	0.04	--	0.1	0.01	0.5	3	0.3	0.4	0.3	4	2	3	0.3	0.07	1	0.03	0.06	0.05	2	0.7	0.6	0.2
ADA-151	0.3	--	0.2	0.3	0.1	0.2	--	1	0.06	0.04	--	0.02	0.02	0.01	0.02	--	0.1	0.006	0.4	3	0.2	0.4	0.2	4	2	2	0.3	0.05	1	0.03	0.07	0.04	2	0.7	0.6	0.2
ADA-152	0.5	--	0.3	0.4	0.08	0.6	--	1	0.07	0.06	--	0.03	0.04	0.007	0.06	--	0.1	0.007	0.6	3	0.4	0.5	0.2	4	2	2	0.3	0.07	1	0.04	0.08	0.04	2	0.7	0.6	0.2
ADA-153	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.01	0.06	--	0.1	0.01	0.5	3	0.4	0.4	0.2	4	2	2	0.3	0.06	1	0.04	0.07	0.04	2	0.7	0.6	0.2
ADA-154	0.4	--	0.4	0.3	0.1	0.6	--	0.9	0.09	0.04	--	0.04	0.03	0.01	0.06	--	0.09	0.009	0.4	3	0.4	0.4	0.2	4	2	2	0.3	0.06	1	0.05	0.07	0.04	2	0.7	0.6	0.2
ADA-155	0.3	--	0.2	0.2	0.1	0.5	--	0.8	0.07	0.04	--	0.02	0.02	0.01	0.05	--	0.08	0.007	0.4	3	0.2	0.3	0.2	4	2	2	0.3	0.05	1	0.03	0.06	0.04	2	0.7	0.6	0.2
ADA-156	0.2	--	0.2	0.3	0.1	0.4	--	0.7	0.06	0.03	--	0.02	0.03	0.01	0.04	--	0.07	0.007	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.04	1	0.03	0.07	0.04	2	0.7	0.6	0.2
ADA-158	0.4	--	0.2	0.3	0.2	0.3	--	0.9	0.08	0.04	--	0.02	0.02	0.02	0.03	--	0.09	0.008	0.4	3	0.2	0.4	0.2	4	2	2	0.3	0.05	1	0.03	0.06	0.05	2	0.7	0.6	0.2
ADA-159	0.4	--	0.4	0.3	0.2	0.7	--	0.9	0.1	0.04	--	0.04	0.03	0.02	0.06	--	0.09	0.01	0.4	3	0.4	0.4	0.3	4	2	2	0.3	0.05	1	0.05	0.07	0.05	2	0.7	0.6	0.2

Table 5-43. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Sucker

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-160	0.4	--	0.2	0.2	0.1	0.4	--	0.8	0.08	0.04	--	0.02	0.02	0.01	0.04	--	0.08	0.008	0.4	3	0.2	0.3	0.2	4	2	2	0.3	0.06	1	0.03	0.06	0.04	2	0.7	0.6	0.2
ADA-161	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	--	0.02	0.02	0.01	0.05	--	0.08	0.009	0.3	3	0.3	0.4	0.2	4	2	2	0.3	0.05	1	0.03	0.06	0.04	2	0.7	0.6	0.2
ADA-162	0.5	--	0.2	0.3	0.4	0.4	--	2	0.2	0.06	--	0.02	0.02	0.04	0.04	--	0.2	0.02	0.6	3	0.2	0.4	0.5	4	2	3	0.4	0.07	1	0.03	0.07	0.07	2	0.7	0.6	0.2
ADA-164	0.4	--	0.3	0.3	0.2	0.5	--	1	0.1	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.01	0.4	3	0.3	0.4	0.3	4	2	2	0.3	0.06	1	0.03	0.07	0.05	2	0.7	0.6	0.2
ADA-165	0.4	--	0.3	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	0.5	3	0.3	0.4	0.2	4	2	2	0.3	0.06	1	0.03	0.07	0.04	2	0.7	0.6	0.2
ADA-168	0.4	--	0.2	0.3	0.1	0.5	--	1	0.09	0.05	--	0.02	0.03	0.01	0.04	--	0.1	0.009	0.5	3	0.3	0.4	0.2	4	2	2	0.3	0.06	1	0.03	0.07	0.04	2	0.7	0.6	0.2
ADA-169	0.1	--	0.3	0.4	0.01	0.6	--	0.3	0.007	0.01	--	0.03	0.03	0.001	0.05	--	0.03	0.0007	0.2	3	0.3	0.5	0.09	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
ADA-170	0.2	--	0.3	0.4	0.03	0.5	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.002	0.2	3	0.3	0.5	0.1	4	2	2	0.2	0.04	1	0.04	0.07	0.03	2	0.7	0.5	0.2
ADA-171	0.2	--	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
ADA-172	0.09	--	0.2	0.3	0.02	0.5	--	0.3	0.006	0.01	--	0.02	0.02	0.002	0.05	--	0.03	0.0006	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
ADA-173	0.2	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.05	--	0.04	0.002	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
ADA-174	0.1	--	0.2	0.2	0.03	0.6	--	0.4	0.03	0.02	--	0.02	0.02	0.003	0.06	--	0.04	0.003	0.2	3	0.2	0.3	0.1	4	2	2	0.2	0.03	1	0.03	0.06	0.03	2	0.7	0.5	0.2
ADA-175	0.1	--	0.4	0.3	0.02	0.7	--	0.4	0.01	0.01	--	0.03	0.03	0.002	0.07	--	0.04	0.001	0.1	3	0.4	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
ADA-176	0.1	--	0.6	0.5	0.02	0.8	--	0.6	0.01	0.01	--	0.06	0.04	0.002	0.07	--	0.06	0.001	0.1	3	0.6	0.6	0.1	4	2	2	0.2	0.03	1	0.06	0.08	0.03	2	0.7	0.6	0.2
ADA-177	0.1	--	0.4	0.4	0.01	0.6	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.06	--	0.04	0.0007	0.2	3	0.4	0.5	0.09	4	2	2	0.2	0.03	1	0.05	0.08	0.03	2	0.7	0.5	0.2
ADA-178	0.1	--	0.4	0.4	0.02	0.5	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.05	--	0.04	0.0007	0.2	3	0.4	0.5	0.1	4	2	2	0.2	0.03	1	0.05	0.08	0.03	2	0.7	0.5	0.2
ADA-179	0.1	--	0.2	0.3	0.03	0.5	--	0.4	0.02	0.01	--	0.02	0.03	0.002	0.05	--	0.04	0.002	0.1	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
ADA-180	0.1	--	0.3	0.3	0.04	0.6	--	0.5	0.05	0.01	--	0.02	0.03	0.004	0.05	--	0.05	0.005	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.5	0.2
ADA-181	0.1	--	0.2	0.3	0.04	0.6	--	0.6	0.04	0.01	--	0.02	0.02	0.004	0.05	--	0.05	0.004	0.2	3	0.2	0.4	0.1	4	2	2	0.2	0.03	1	0.03	0.07	0.03	2	0.7	0.6	0.2
ADA-182	0.1	--	0.3	0.3	0.03	0.5	--	0.4	0.05	0.01	--	0.03	0.03	0.003	0.04	--	0.04	0.005	0.2	3	0.3	0.4	0.1	4	2	2	0.2	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2
ADA-183	0.2	--	0.3	0.3	0.09	0.4	--	0.6	0.2	0.02	--	0.02	0.02	0.008	0.04	--	0.06	0.02	0.2	3	0.3	0.4	0.2	4	2	2	0.4	0.04	1	0.03	0.06	0.04	2	0.7	0.6	0.2
ADA-184	0.1	--	0.3	0.3	0.03	0.6	--	0.4	0.09	0.01	--	0.03	0.02	0.003	0.06	--	0.04	0.009	0.2	3	0.3	0.4	0.1	4	2	2	0.3	0.03	1	0.04	0.07	0.03	2	0.7	0.5	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-44. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Walleye

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult							
Indoor Air	--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																
Outdoor Air	--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02	**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**									**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Walleye)	0.9	2	0.9	0.02	0.09	2	0.6	4	--	0.4	0.6	0.3	0.006	0.03	0.7	0.2	1	--																
Upland Soil/Dust[a]	**Number of ADAs that exceed benchmark[c] for Soil/Dust:**									**Number of ADAs that exceed benchmark[c] for Soil/Dust:**																										
ADA	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	142	3	0	0	142	0	142	0	0	0	0	0	0	0	0	0
ADA-001	0.2	--	0.4	0.3	0.07	0.5	--	0.8	0.09	0.03	--	0.04	0.03	0.007	0.05	--	0.08	0.009	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-002	0.2	--	0.3	0.4	0.06	0.4	--	0.6	0.04	0.02	--	0.03	0.03	0.006	0.04	--	0.06	0.004	1	2	1	0.4	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-004	0.2	--	0.2	0.3	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.03	0.007	0.05	--	0.06	0.007	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-005	0.3	--	0.3	0.4	0.08	0.4	--	0.8	0.04	0.03	--	0.03	0.03	0.008	0.04	--	0.08	0.004	1	2	1	0.4	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-006	0.3	--	0.3	0.3	0.09	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.008	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-008	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.03	0.03	0.01	0.04	--	0.08	0.007	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-010	0.5	--	0.4	0.4	0.1	1	--	1	0.1	0.05	--	0.04	0.03	0.01	0.1	--	0.1	0.01	1	2	1	0.4	0.2	3	0.6	5	0.3	0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
ADA-015	0.2	--	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	--	0.02	0.02	0.004	0.04	--	0.05	0.004	1	2	1	0.2	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-016	0.2	--	0.2	0.2	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.02	0.007	0.04	--	0.06	0.007	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-017	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.02	0.03	0.01	0.04	--	0.08	0.008	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-018	0.2	--	0.2	0.3	0.2	0.4	--	0.8	0.09	0.02	--	0.02	0.02	0.01	0.04	--	0.08	0.009	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-019	0.2	--	0.4	0.4	0.04	0.5	--	0.6	0.04	0.03	--	0.04	0.04	0.004	0.05	--	0.06	0.004	1	2	1	0.5	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
ADA-020	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-021	0.4	--	0.8	0.5	0.05	0.6	--	0.7	0.04	0.05	--	0.07	0.05	0.005	0.05	--	0.07	0.004	1	2	2	0.5	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
ADA-023	0.3	--	0.3	0.3	0.07	0.4	--	0.8	0.09	0.03	--	0.03	0.03	0.007	0.03	--	0.08	0.009	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-024	0.4	--	0.2	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-025	0.3	--	0.2	0.2	0.05	0.5	--	0.6	0.09	0.03	--	0.02	0.02	0.005	0.05	--	0.06	0.009	1	2	1	0.3	0.1	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-026	0.2	--	0.2	0.3	0.05	0.4	--	0.5	0.07	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.007	1	2	1	0.3	0.1	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-028	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.03	--	0.02	0.02	0.006	0.04	--	0.06	0.005	1	2	1	0.2	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-033	0.2	--	0.2	0.3	0.02	0.7	--	0.6	0.05	0.02	--	0.02	0.02	0.002	0.06	--	0.06	0.005	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-034	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-035	0.2	--	0.2	0.3	0.04	0.6	--	0.6	0.06	0.03	--	0.02	0.03	0.004	0.06	--	0.06	0.006	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-039	0.1	--	0.2	0.3	0.02	0.5	--	0.4	0.05	0.01	--	0.02	0.02	0.002	0.05	--	0.04	0.005	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-042	0.1	--	0.2	0.3	0.04	0.4	--	0.4	0.02	0.02	--	0.02	0.03	0.004	0.04	--	0.04	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-043	0.2	--	0.6	0.5	0.08	0.7	--	0.6	0.08	0.02	--	0.05	0.04	0.007	0.07	--	0.06	0.008	1	2	2	0.5	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
ADA-044	0.2	--	0.5	0.4	0.04	0.8	--	0.8	0.2	0.03	--	0.05	0.04	0.004	0.07	--	0.08	0.02	1	2	1	0.4	0.1	3	0.6	4	0.4	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-045	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.1	0.01	1	2	1	0.3	0.2	3	0.6	5	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-046	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.02	--	0.02	0.02	0.005	0.04	--	0.06	0.005	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-047	0.3	--	0.3	0.3	0.1	0.6	--	0.9	0.09	0.03	--	0.03	0.03	0.009	0.06	--	0.09	0.009	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-048	0.2	--	0.4	0.4	0.05	0.7	--	0.5	0.06	0.02	--	0.04	0.04	0.005	0.07	--	0.05	0.006	1	2	1	0.4	0.1	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-049	0.2	--	0.3	0.3	0.02	0.7	--	0.6	0.06	0.02	--	0.03	0.03	0.002	0.07	--	0.06	0.006	1	2	1	0.3	0.1	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-050	0.4	--	0.5	0.4	0.1	0.6	--	1	0.1	0.04	--	0.05	0.04	0.01	0.06	--	0.1	0.01	1	2	1	0.4	0.2	3	0.6	5	0.3	0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
ADA-051	0.1	--	0.3	0.3	0.03	0.6	--	0.5	0.1	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.01	1	2	1	0.3	0.1	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-052	0.3	--	0.4	0.3	0.1	0.6	--	0.9	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.09	0.01	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-053	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.002	0.07	--	0.05	0.002	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-054	0.5	--	0.3	0.3	0.2	0.7	--	1	0.2	0.06	--	0.03	0.03	0.02	0.07	--	0.1	0.02	1	2	1	0.3	0.3	3	0.6	5	0.4	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-055	0.3	--	0.3	0.4	0.07	0.8	--	0.8	0.1	0.03	--	0.03	0.03	0.007	0.08	--	0.08	0.01	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-056	0.2	--	0.4	0.4	0.02	0.8	--	0.5	0.02	0.02	--	0.04	0.04	0.002	0.08	--	0.05	0.002	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-057	0.2	--	0.5	0.4	0.05	0.7	--	0.6	0.04	0.02	--	0.05	0.04	0.004	0.06	--	0.06	0.004	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
ADA-058	0.1	--	0.3	0.4	0.02	0.6	--	0.4	0.02	0.01	--	0.03	0.03	0.002	0.06	--	0.03	0.002	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-059	0.1	--	0.4	0.4	0.04	0.9	--	0.5	0.04	0.02	--	0.04	0.04	0.004	0.08	--	0.05	0.004	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-060	0.5	--	0.6	0.4	0.1	0.7	--	1	0.1	0.05	--	0.05	0.04	0.01	0.07	--	0.1	0.01	1	2	1	0.4	0.2	3	0.6	5	0.3	0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
ADA-061	0.2	--	0.6	0.5	0.02	1	--	0.6	0.03	0.02	--	0.05	0.04	0.002	0.1	--	0.06	0.003	1	2	1	0.5	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
ADA-062	0.3	--	0.3	0.3	0.08	0.7	--	0.9	0.09	0.04	--	0.03	0.03	0.008	0.06	--	0.09	0.01	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-063	0.2	--	0.3	0.3	0.04	0.7	--	0.5	0.07	0.02	--	0.03	0.03	0.004	0.07	--	0.05	0.007	1	2	1	0.3	0.1	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-064	0.2	--	0.5	0.4	0.03	1	--	0.7	0.03	0.03	--	0.04	0.04	0.003	0.1	--	0.07	0.003	1	2	1	0.5	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
ADA-065	0.3	--	0.3	0.3	0.1	0.7	--	0.9	0.1	0.04	--	0.03	0.03	0.01	0.07	--	0.09	0.01	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-066	0.2	--	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.005	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-067	0.2	--	0.4	0.4	0.03	0.7	--	0.5	0.09	0.02	--	0.04	0.04	0.003	0.07	--	0.05	0.009	1	2	1	0.4	0.1	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-070	0.3	--	0.4	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.006	1	2	1	0.4	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-071	0.3	--	0.3	0.3	0.09	0.6	--	0.7	0.06	0.03	--	0.03	0.03	0.008	0.05	--	0.07	0.006	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-073	0.4	--	0.3	0.3	0.1	0.6	--	0.8	0.06	0.04	--	0.03	0.03	0.01	0.06	--	0.08	0.006	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-076	0.4	--	0.3	0.3	0.1	0.6	--	0.9	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.09	0.01	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-078	0.3	--	0.3	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.009	0.07	--	0.08	0.007	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-079	0.2	--	0.2	0.2	0.06	0.6	--	0.5	0.1	0.02	--	0.02	0.02	0.006	0.05	--	0.05	0.01	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-081	0.3	--	0.3	0.4	0.09	0.6	--	0.7	0.04	0.03	--	0.03	0.04	0.008	0.06	--	0.07	0.004	1	2	1	0.4	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
ADA-082	0.2	--	0.3	0.3	0.06	0.6	--	0.6	0.04	0.03	--	0.03	0.03	0.006	0.05	--	0.06	0.004	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-084	0.2	--	0.4	0.4	0.05	0.8	--	0.6	0.04	0.02	--	0.04	0.04	0.005	0.08	--	0.06	0.004	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2

Table 5-44. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Walleye

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-085	0.2	--	0.3	0.4	0.04	0.7	--	0.6	0.05	0.02	--	0.03	0.03	0.004	0.06	--	0.06	0.005	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-088	0.3	--	0.5	0.4	0.09	1	--	0.9	0.09	0.04	--	0.05	0.04	0.009	0.1	--	0.09	0.009	1	2	1	0.5	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
ADA-089	0.4	--	0.5	0.4	0.09	1	--	0.9	0.08	0.05	--	0.04	0.04	0.009	0.1	--	0.09	0.008	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
ADA-090	0.2	--	0.4	0.4	0.08	0.9	--	0.7	0.07	0.02	--	0.03	0.03	0.007	0.08	--	0.07	0.007	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-091	0.3	--	0.4	0.3	0.08	0.7	--	0.8	0.09	0.04	--	0.04	0.03	0.007	0.07	--	0.08	0.009	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-092	0.3	--	0.3	0.3	0.05	0.8	--	0.8	0.08	0.04	--	0.03	0.03	0.005	0.08	--	0.08	0.008	1	2	1	0.4	0.1	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-093	0.3	--	0.3	0.3	0.04	0.9	--	0.7	0.04	0.03	--	0.03	0.03	0.004	0.09	--	0.07	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-094	0.2	--	0.3	0.4	0.03	0.6	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-095	0.3	--	0.5	0.4	0.05	0.9	--	0.7	0.03	0.03	--	0.04	0.04	0.005	0.08	--	0.07	0.003	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-096	0.3	--	0.3	0.3	0.08	0.8	--	0.7	0.08	0.03	--	0.03	0.03	0.008	0.08	--	0.07	0.008	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-097	0.4	--	0.4	0.4	0.1	0.9	--	1	0.1	0.05	--	0.04	0.03	0.01	0.09	--	0.1	0.01	1	2	1	0.4	0.2	3	0.6	5	0.3	0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
ADA-099	0.4	--	0.4	0.4	0.07	1	--	0.9	0.06	0.04	--	0.04	0.04	0.007	0.09	--	0.09	0.006	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-101	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.04	0.03	--	0.03	0.03	0.009	0.05	--	0.07	0.004	1	2	1	0.4	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-102	0.2	--	0.3	0.4	0.04	0.7	--	0.5	0.03	0.02	--	0.03	0.03	0.004	0.06	--	0.05	0.003	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-103	0.2	--	0.5	0.5	0.06	1	--	0.6	0.05	0.03	--	0.05	0.04	0.006	0.1	--	0.06	0.005	1	2	1	0.5	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
ADA-104	0.1	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.06	--	0.04	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-105	0.3	--	0.4	0.4	0.07	0.7	--	0.7	0.07	0.03	--	0.04	0.03	0.006	0.06	--	0.07	0.007	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-106	0.1	--	0.3	0.3	0.04	0.7	--	0.4	0.03	0.02	--	0.03	0.03	0.003	0.06	--	0.04	0.003	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-107	0.2	--	0.5	0.4	0.03	1	--	0.7	0.05	0.03	--	0.05	0.03	0.003	0.09	--	0.07	0.005	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-108	0.2	--	0.4	0.3	0.06	0.6	--	0.6	0.06	0.02	--	0.04	0.03	0.005	0.06	--	0.06	0.006	1	2	1	0.3	0.1	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-109	0.3	--	0.3	0.3	0.1	0.6	--	0.8	0.09	0.04	--	0.03	0.03	0.01	0.05	--	0.08	0.009	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-110	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.07	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.007	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-111	0.2	--	0.4	0.4	0.03	0.8	--	0.6	0.03	0.02	--	0.04	0.04	0.003	0.07	--	0.06	0.003	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-112	0.2	--	0.4	0.4	0.03	1	--	0.5	0.04	0.02	--	0.03	0.04	0.003	0.09	--	0.05	0.004	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-113	0.2	--	0.3	0.3	0.03	1	--	0.6	0.03	0.02	--	0.03	0.03	0.003	0.09	--	0.06	0.004	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-114	0.3	--	0.3	0.3	0.02	0.9	--	0.6	0.03	0.03	--	0.03	0.03	0.002	0.08	--	0.06	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-115	0.2	--	0.3	0.3	0.04	0.6	--	0.5	0.03	0.02	--	0.02	0.03	0.004	0.06	--	0.05	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-116	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.02	0.03	--	0.02	0.03	0.004	0.05	--	0.05	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-117	0.3	--	0.3	0.3	0.06	0.8	--	0.6	0.05	0.03	--	0.03	0.03	0.006	0.07	--	0.06	0.005	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-118	0.2	--	0.4	0.4	0.05	0.9	--	0.6	0.06	0.03	--	0.03	0.03	0.004	0.09	--	0.06	0.006	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-119	0.2	--	0.3	0.3	0.05	0.7	--	0.6	0.05	0.03	--	0.03	0.03	0.005	0.06	--	0.06	0.005	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-121	0.3	--	0.4	0.4	0.07	0.9	--	0.8	0.07	0.03	--	0.04	0.04	0.007	0.08	--	0.08	0.007	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-122	0.1	--	0.3	0.3	0.02	0.7	--	0.4	0.02	0.02	--	0.03	0.03	0.002	0.06	--	0.04	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-124	0.2	--	0.2	0.2	0.08	0.3	--	0.5	0.03	0.02	--	0.01	0.02	0.007	0.03	--	0.05	0.003	1	2	1	0.2	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.02	0.04	1	0.2	1	0.2
ADA-125	0.3	--	0.2	0.2	0.05	0.4	--	0.6	0.02	0.03	--	0.02	0.02	0.005	0.03	--	0.06	0.002	1	2	1	0.2	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-126	0.4	--	0.2	0.2	0.09	0.5	--	0.9	0.09	0.05	--	0.02	0.02	0.009	0.04	--	0.09	0.009	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-127	0.3	--	0.5	0.4	0.07	0.6	--	0.7	0.08	0.04	--	0.04	0.03	0.006	0.06	--	0.07	0.008	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-128	0.2	--	0.2	0.2	0.1	0.3	--	0.7	0.1	0.03	--	0.01	0.02	0.01	0.03	--	0.07	0.01	1	2	1	0.2	0.2	2	0.6	4	0.3	0.4	0.6	0.4	0.02	0.05	1	0.2	1	0.2
ADA-131	0.4	--	0.2	0.3	0.1	0.5	--	0.9	0.09	0.04	--	0.02	0.02	0.01	0.04	--	0.09	0.009	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-132	0.1	--	0.2	0.2	0.04	0.2	--	0.5	0.03	0.02	--	0.02	0.02	0.004	0.02	--	0.05	0.003	1	2	1	0.2	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-133	0.3	--	0.3	0.3	0.09	0.6	--	0.8	0.08	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.008	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-135	0.1	--	0.2	0.3	0.04	0.3	--	0.4	0.04	0.01	--	0.02	0.02	0.004	0.03	--	0.04	0.004	1	2	1	0.3	0.1	2	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-136	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.05	--	0.08	0.01	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-139	0.3	--	0.3	0.3	0.08	0.5	--	0.7	0.06	0.03	--	0.03	0.03	0.007	0.05	--	0.07	0.006	1	2	1	0.3	0.2	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-140	0.4	--	0.2	0.3	0.1	0.3	--	1	0.1	0.04	--	0.02	0.03	0.01	0.02	--	0.1	0.01	1	2	1	0.3	0.2	2	0.6	5	0.3	0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
ADA-141	0.3	--	0.3	0.3	0.05	0.6	--	0.7	0.04	0.03	--	0.03	0.03	0.005	0.06	--	0.07	0.004	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-142	0.4	--	0.2	0.3	0.2	0.6	--	1	0.2	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.02	1	2	1	0.3	0.3	3	0.6	5	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-143	0.3	--	0.3	0.3	0.1	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.01	0.05	--	0.07	0.008	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-144	0.8	--	0.2	0.3	0.4	0.7	--	2	0.2	0.09	--	0.02	0.03	0.04	0.07	--	0.2	0.02	2	2	1	0.3	0.5	3	0.6	5	0.4	0.4	0.6	0.4	0.03	0.07	1	0.2	1	0.2
ADA-145	0.3	--	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.08	0.01	1	2	1	0.4	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-146	0.4	--	0.3	0.3	0.1	0.5	--	0.9	0.1	0.04	--	0.02	0.03	0.01	0.05	--	0.09	0.01	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-147	0.5	--	0.2	0.3	0.3	0.4	--	1	0.1	0.06	--	0.02	0.02	0.03	0.04	--	0.1	0.01	1	2	1	0.3	0.4	3	0.6	5	0.3	0.4	0.6	0.4	0.03	0.07	1	0.2	1	0.2
ADA-148	0.3	--	0.2	0.2	0.1	0.3	--	0.9	0.08	0.03	--	0.02	0.02	0.009	0.03	--	0.09	0.008	1	2	1	0.3	0.2	2	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-150	0.5	--	0.2	0.3	0.2	0.4	--	1	0.1	0.05	--	0.02	0.02	0.02	0.04	--	0.1	0.01	1	2	1	0.3	0.3	3	0.6	5	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-151	0.3	--	0.2	0.3	0.1	0.2	--	1	0.06	0.04	--	0.02	0.02	0.01	0.02	--	0.1	0.006	1	2	1	0.3	0.2	2	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-152	0.5	--	0.3	0.4	0.08	0.6	--	1	0.07	0.06	--	0.03	0.04	0.007	0.06	--	0.1	0.007	1	2	1	0.4	0.2	3	0.6	5	0.3	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-153	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.01	0.06	--	0.1	0.01	1	2	1	0.3	0.2	3	0.6	5	0.3	0.4	0.6	0.4	0.04	0.05	1	0.2	1	0.2
ADA-154	0.4	--	0.4	0.3	0.1	0.6	--	0.9	0.09	0.04	--	0.04	0.03	0.01	0.06	--	0.09	0.009	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-155	0.3	--	0.2	0.2	0.1	0.5	--	0.8	0.07	0.04	--	0.02	0.02	0.01	0.05	--	0.08	0.007	1	2	1	0.2	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-156	0.2	--	0.2	0.3	0.1	0.4	--	0.7	0.06	0.03	--	0.02	0.03	0.01	0.04	--	0.07	0.007	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-158	0.4	--	0.2	0.3	0.2	0.3	--	0.9	0.08	0.04	--	0.02	0.02	0.02	0.03	--	0.09	0.008	1	2	1	0.3	0.3	2	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-159	0.4	--	0.4	0.3	0.2	0.7	--	0.9	0.1	0.04	--	0.04	0.03	0.02	0.06	--	0.09	0.01	1	2	1	0.3	0.3	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2

Table 5-44. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Walleye

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-160	0.4	--	0.2	0.2	0.1	0.4	--	0.8	0.08	0.04	--	0.02	0.02	0.01	0.04	--	0.08	0.008	1	2	1	0.2	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-161	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	--	0.02	0.02	0.01	0.05	--	0.08	0.009	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-162	0.5	--	0.2	0.3	0.4	0.4	--	2	0.2	0.06	--	0.02	0.02	0.04	0.04	--	0.2	0.02	1	2	1	0.3	0.5	3	0.6	5	0.4	0.4	0.6	0.4	0.03	0.07	1	0.2	1	0.2
ADA-164	0.4	--	0.3	0.3	0.2	0.5	--	1	0.1	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.01	1	2	1	0.3	0.3	3	0.6	5	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-165	0.4	--	0.3	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	1	2	1	0.3	0.2	3	0.6	5	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-168	0.4	--	0.2	0.3	0.1	0.5	--	1	0.09	0.05	--	0.02	0.03	0.01	0.04	--	0.1	0.009	1	2	1	0.3	0.2	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.05	1	0.2	1	0.2
ADA-169	0.1	--	0.3	0.4	0.01	0.6	--	0.3	0.007	0.01	--	0.03	0.03	0.001	0.05	--	0.03	0.0007	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-170	0.2	--	0.3	0.4	0.03	0.5	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.002	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-171	0.2	--	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-172	0.09	--	0.2	0.3	0.02	0.5	--	0.3	0.006	0.01	--	0.02	0.02	0.002	0.05	--	0.03	0.0006	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-173	0.2	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.05	--	0.04	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-174	0.1	--	0.2	0.2	0.03	0.6	--	0.4	0.03	0.02	--	0.02	0.02	0.003	0.06	--	0.04	0.003	1	2	1	0.2	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-175	0.1	--	0.4	0.3	0.02	0.7	--	0.4	0.01	0.01	--	0.03	0.03	0.002	0.07	--	0.04	0.001	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-176	0.1	--	0.6	0.5	0.02	0.8	--	0.6	0.01	0.01	--	0.06	0.04	0.002	0.07	--	0.06	0.001	1	2	2	0.5	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.05	0.04	1	0.2	1	0.2
ADA-177	0.1	--	0.4	0.4	0.01	0.6	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.06	--	0.04	0.0007	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-178	0.1	--	0.4	0.4	0.02	0.5	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.05	--	0.04	0.0007	1	2	1	0.4	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-179	0.1	--	0.2	0.3	0.03	0.5	--	0.4	0.02	0.01	--	0.02	0.03	0.002	0.05	--	0.04	0.002	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-180	0.1	--	0.3	0.3	0.04	0.6	--	0.5	0.05	0.01	--	0.02	0.03	0.004	0.05	--	0.05	0.005	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-181	0.1	--	0.2	0.3	0.04	0.6	--	0.6	0.04	0.01	--	0.02	0.02	0.004	0.05	--	0.05	0.004	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-182	0.1	--	0.3	0.3	0.03	0.5	--	0.4	0.05	0.01	--	0.03	0.03	0.003	0.04	--	0.04	0.005	1	2	1	0.3	0.1	3	0.6	4	0.2	0.4	0.6	0.4	0.04	0.04	1	0.2	1	0.2
ADA-183	0.2	--	0.3	0.3	0.09	0.4	--	0.6	0.2	0.02	--	0.02	0.02	0.008	0.04	--	0.06	0.02	1	2	1	0.3	0.2	3	0.6	4	0.4	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2
ADA-184	0.1	--	0.3	0.3	0.03	0.6	--	0.4	0.09	0.01	--	0.03	0.02	0.003	0.06	--	0.04	0.009	1	2	1	0.3	0.1	3	0.6	4	0.3	0.4	0.6	0.4	0.03	0.04	1	0.2	1	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-45. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Whitefish

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
Indoor Air	--	--	--	--	--	0.3	--	--	0.2	--	--	--	--	--	0.3	--	--	0.2																
Outdoor Air	--	--	--	--	--	0.03	--	--	0.01	--	--	--	--	--	0.05	--	--	0.02	**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**									**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Whitefish)	0.2	0.9	0.1	0.06	0.07	1	2	2	--	0.06	0.3	0.06	0.02	0.03	0.4	0.8	0.6	--																
Upland Soil/Dust[a]	**Number of ADAs that exceed benchmark[c] for Soil/Dust:**									**Number of ADAs that exceed benchmark[c] for Soil/Dust:**																										
ADA	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	142	142	142	0	0	0	0	0	0	0	0	0
ADA-001	0.2	--	0.4	0.3	0.07	0.5	--	0.8	0.09	0.03	--	0.04	0.03	0.007	0.05	--	0.08	0.009	0.4	0.9	0.5	0.4	0.1	2	2	2	0.3	0.09	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
ADA-002	0.2	--	0.3	0.4	0.06	0.4	--	0.6	0.04	0.02	--	0.03	0.03	0.006	0.04	--	0.06	0.004	0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.7	0.2
ADA-004	0.2	--	0.2	0.3	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.03	0.007	0.05	--	0.06	0.007	0.4	0.9	0.4	0.3	0.1	2	2	2	0.3	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
ADA-005	0.3	--	0.3	0.4	0.08	0.4	--	0.8	0.04	0.03	--	0.03	0.03	0.008	0.04	--	0.08	0.004	0.5	0.9	0.5	0.4	0.2	2	2	2	0.2	0.1	0.3	0.09	0.06	0.03	0.8	0.8	0.7	0.2
ADA-006	0.3	--	0.3	0.3	0.09	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.008	0.4	0.9	0.4	0.4	0.2	2	2	2	0.3	0.09	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-008	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.03	0.03	0.01	0.04	--	0.08	0.007	0.5	0.9	0.4	0.4	0.2	2	2	2	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-010	0.5	--	0.4	0.4	0.1	1	--	1	0.1	0.05	--	0.04	0.03	0.01	0.1	--	0.1	0.01	0.7	0.9	0.5	0.4	0.2	3	2	3	0.3	0.1	0.3	0.09	0.06	0.04	0.9	0.8	0.7	0.2
ADA-015	0.2	--	0.2	0.2	0.04	0.4	--	0.5	0.04	0.02	--	0.02	0.02	0.004	0.04	--	0.05	0.004	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2
ADA-016	0.2	--	0.2	0.2	0.07	0.5	--	0.6	0.07	0.03	--	0.02	0.02	0.007	0.04	--	0.06	0.007	0.4	0.9	0.3	0.3	0.1	2	2	2	0.3	0.09	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2
ADA-017	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.07	0.03	--	0.02	0.03	0.01	0.04	--	0.08	0.008	0.5	0.9	0.4	0.3	0.2	2	2	2	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-018	0.2	--	0.2	0.3	0.2	0.4	--	0.8	0.09	0.02	--	0.02	0.02	0.01	0.04	--	0.08	0.009	0.4	0.9	0.4	0.3	0.2	2	2	2	0.3	0.09	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-019	0.2	--	0.4	0.4	0.04	0.5	--	0.6	0.04	0.03	--	0.04	0.04	0.004	0.05	--	0.06	0.004	0.4	0.9	0.6	0.5	0.1	2	2	2	0.2	0.09	0.3	0.09	0.06	0.03	0.8	0.8	0.7	0.2
ADA-020	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
ADA-021	0.4	--	0.8	0.5	0.05	0.6	--	0.7	0.04	0.05	--	0.07	0.05	0.005	0.05	--	0.07	0.004	0.6	0.9	0.9	0.6	0.1	2	2	2	0.2	0.1	0.3	0.1	0.07	0.03	0.8	0.8	0.7	0.2
ADA-023	0.3	--	0.3	0.3	0.07	0.4	--	0.8	0.09	0.03	--	0.03	0.03	0.007	0.03	--	0.08	0.009	0.5	0.9	0.5	0.4	0.1	2	2	2	0.3	0.1	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
ADA-024	0.4	--	0.2	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	0.6	0.9	0.4	0.3	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-025	0.3	--	0.2	0.2	0.05	0.5	--	0.6	0.09	0.03	--	0.02	0.02	0.005	0.05	--	0.06	0.009	0.4	0.9	0.3	0.3	0.1	2	2	2	0.3	0.09	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2
ADA-026	0.2	--	0.2	0.3	0.05	0.4	--	0.5	0.07	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.007	0.3	0.9	0.4	0.3	0.1	2	2	2	0.3	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
ADA-028	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.03	--	0.02	0.02	0.006	0.04	--	0.06	0.005	0.4	0.9	0.3	0.3	0.1	2	2	2	0.2	0.09	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2
ADA-033	0.2	--	0.2	0.3	0.02	0.7	--	0.6	0.05	0.02	--	0.02	0.02	0.002	0.06	--	0.06	0.005	0.3	0.9	0.4	0.3	0.09	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.9	0.8	0.7	0.2
ADA-034	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.9	0.8	0.7	0.2
ADA-035	0.2	--	0.2	0.3	0.04	0.6	--	0.6	0.06	0.03	--	0.02	0.03	0.004	0.06	--	0.06	0.006	0.4	0.9	0.3	0.3	0.1	2	2	2	0.2	0.09	0.3	0.07	0.05	0.03	0.8	0.8	0.7	0.2
ADA-039	0.1	--	0.2	0.3	0.02	0.5	--	0.4	0.05	0.01	--	0.02	0.02	0.002	0.05	--	0.04	0.005	0.3	0.9	0.4	0.3	0.09	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
ADA-042	0.1	--	0.2	0.3	0.04	0.4	--	0.4	0.02	0.02	--	0.02	0.03	0.004	0.04	--	0.04	0.002	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
ADA-043	0.2	--	0.6	0.5	0.08	0.7	--	0.6	0.08	0.02	--	0.05	0.04	0.007	0.07	--	0.06	0.008	0.4	0.9	0.7	0.5	0.1	2	2	2	0.3	0.09	0.3	0.1	0.07	0.03	0.9	0.8	0.7	0.2
ADA-044	0.2	--	0.5	0.4	0.04	0.8	--	0.8	0.2	0.03	--	0.05	0.04	0.004	0.07	--	0.08	0.02	0.4	0.9	0.7	0.5	0.1	2	2	2	0.4	0.09	0.3	0.1	0.06	0.03	0.9	0.8	0.7	0.2
ADA-045	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.1	0.01	0.6	0.9	0.4	0.4	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-046	0.2	--	0.2	0.2	0.06	0.4	--	0.6	0.05	0.02	--	0.02	0.02	0.005	0.04	--	0.06	0.005	0.4	0.9	0.3	0.3	0.1	2	2	2	0.2	0.09	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2
ADA-047	0.3	--	0.3	0.3	0.1	0.6	--	0.9	0.09	0.03	--	0.03	0.03	0.009	0.06	--	0.09	0.009	0.5	0.9	0.5	0.4	0.2	2	2	2	0.3	0.1	0.3	0.09	0.05	0.04	0.8	0.8	0.7	0.2
ADA-048	0.2	--	0.4	0.4	0.05	0.7	--	0.5	0.06	0.02	--	0.04	0.04	0.005	0.07	--	0.05	0.006	0.3	0.9	0.5	0.4	0.1	2	2	2	0.3	0.08	0.3	0.09	0.06	0.03	0.9	0.8	0.7	0.2
ADA-049	0.2	--	0.3	0.3	0.02	0.7	--	0.6	0.06	0.02	--	0.03	0.03	0.002	0.07	--	0.06	0.006	0.3	0.9	0.4	0.4	0.09	2	2	2	0.3	0.08	0.3	0.08	0.05	0.03	0.9	0.8	0.7	0.2
ADA-050	0.4	--	0.5	0.4	0.1	0.6	--	1	0.1	0.04	--	0.05	0.04	0.01	0.06	--	0.1	0.01	0.6	0.9	0.7	0.5	0.2	2	2	3	0.3	0.1	0.3	0.1	0.06	0.04	0.8	0.8	0.7	0.2
ADA-051	0.1	--	0.3	0.3	0.03	0.6	--	0.5	0.1	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.01	0.3	0.9	0.5	0.4	0.1	2	2	2	0.3	0.08	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
ADA-052	0.3	--	0.4	0.3	0.1	0.6	--	0.9	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.09	0.01	0.5	0.9	0.5	0.4	0.2	2	2	3	0.3	0.1	0.3	0.09	0.05	0.04	0.8	0.8	0.7	0.2
ADA-053	0.1	--	0.3	0.3	0.03	0.7	--	0.5	0.02	0.02	--	0.03	0.03	0.002	0.07	--	0.05	0.002	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
ADA-054	0.5	--	0.3	0.3	0.2	0.7	--	1	0.2	0.06	--	0.03	0.03	0.02	0.07	--	0.1	0.02	0.7	0.9	0.5	0.4	0.3	2	2	3	0.4	0.1	0.3	0.09	0.05	0.04	0.9	0.8	0.7	0.2
ADA-055	0.3	--	0.3	0.4	0.07	0.8	--	0.8	0.1	0.03	--	0.03	0.03	0.007	0.08	--	0.08	0.01	0.4	0.9	0.5	0.4	0.1	2	2	2	0.3	0.09	0.3	0.09	0.06	0.03	0.9	0.8	0.7	0.2
ADA-056	0.2	--	0.4	0.4	0.02	0.8	--	0.5	0.02	0.02	--	0.04	0.04	0.002	0.08	--	0.05	0.002	0.3	0.9	0.5	0.4	0.09	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.9	0.8	0.7	0.2
ADA-057	0.2	--	0.5	0.4	0.05	0.7	--	0.6	0.04	0.02	--	0.05	0.04	0.004	0.06	--	0.06	0.004	0.3	0.9	0.7	0.5	0.1	2	2	2	0.2	0.08	0.3	0.1	0.06	0.03	0.9	0.8	0.7	0.2
ADA-058	0.1	--	0.3	0.4	0.02	0.6	--	0.4	0.02	0.01	--	0.03	0.03	0.002	0.06	--	0.03	0.002	0.3	0.9	0.5	0.4	0.09	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.6	0.2
ADA-059	0.1	--	0.4	0.4	0.04	0.9	--	0.5	0.04	0.02	--	0.04	0.04	0.004	0.08	--	0.05	0.004	0.3	0.9	0.6	0.5	0.1	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.9	0.8	0.7	0.2
ADA-060	0.5	--	0.6	0.4	0.1	0.7	--	1	0.1	0.05	--	0.05	0.04	0.01	0.07	--	0.1	0.01	0.7	0.9	0.7	0.4	0.2	2	2	3	0.3	0.1	0.3	0.1	0.06	0.04	0.9	0.8	0.7	0.2
ADA-061	0.2	--	0.6	0.5	0.02	1	--	0.6	0.03	0.02	--	0.05	0.04	0.002	0.1	--	0.06	0.003	0.3	0.9	0.7	0.5	0.09	3	2	2	0.2	0.08	0.3	0.1	0.07	0.03	0.9	0.8	0.7	0.2
ADA-062	0.3	--	0.3	0.3	0.08	0.7	--	0.9	0.09	0.04	--	0.03	0.03	0.008	0.06	--	0.09	0.01	0.5	0.9	0.5	0.4	0.2	2	2	2	0.3	0.1	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
ADA-063	0.2	--	0.3	0.3	0.04	0.7	--	0.5	0.07	0.02	--	0.03	0.03	0.004	0.07	--	0.05	0.007	0.4	0.9	0.5	0.4	0.1	2	2	2	0.3	0.09	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
ADA-064	0.2	--	0.5	0.4	0.03	1	--	0.7	0.03	0.03	--	0.04	0.04	0.003	0.1	--	0.07	0.003	0.4	0.9	0.6	0.5	0.1	3	2	2	0.2	0.09	0.3	0.1	0.06	0.03	0.9	0.8	0.7	0.2
ADA-065	0.3	--	0.3	0.3	0.1	0.7	--	0.9	0.1	0.04	--	0.03	0.03	0.01	0.07	--	0.09	0.01	0.5	0.9	0.4	0.4	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.9	0.8	0.7	0.2
ADA-066	0.2	--	0.3	0.3	0.05	0.5	--	0.5	0.05	0.02	--	0.02	0.03	0.005	0.04	--	0.05	0.005	0.4	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
ADA-067	0.2	--	0.4	0.4	0.03	0.7	--	0.5	0.09	0.02	--	0.04	0.04	0.003	0.07	--	0.05	0.009	0.3	0.9	0.5	0.5	0.1	2	2	2	0.3	0.08	0.3	0.09	0.06	0.03	0.9	0.8	0.7	0.2
ADA-070	0.3	--	0.4	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.006	0.5	0.9	0.5	0.4	0.2	2	2	2	0.2	0.1	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
ADA-071	0.3	--	0.3	0.3	0.09	0.6	--	0.7	0.06	0.03	--	0.03	0.03	0.008	0.05	--	0.07	0.006	0.4	0.9	0.4	0.4	0.2	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
ADA-073	0.4	--	0.3	0.3	0.1	0.6	--	0.8	0.06	0.04	--	0.03	0.03	0.01	0.06	--	0.08	0.006	0.5	0.9	0.4	0.4	0.2	2	2	2	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-076	0.4	--	0.3	0.3	0.1	0.6	--	0.9	0.1	0.05	--	0.03	0.03	0.009	0.06	--	0.09	0.01	0.6	0.9	0.5	0.4	0.2	2	2	2	0.3	0.1	0.3	0.09	0.05	0.04	0.8	0.8	0.7	0.2
ADA-078	0.3	--	0.3	0.3	0.09	0.7	--	0.8	0.06	0.04	--	0.03	0.03	0.009	0.07	--	0.08	0.007	0.5	0.9	0.5	0.4	0.2	2	2	2	0.3	0.1	0.3	0.09	0.05	0.04	0.9	0.8	0.7	0.2
ADA-079	0.2	--	0.2	0.2	0.06	0.6	--	0.5	0.1	0.02	--	0.02	0.02	0.006	0.05	--	0.05	0.01	0.4	0.9	0.4	0.3	0.1	2	2	2	0.3	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
ADA-081	0.3	--	0.3	0.4	0.09	0.6	--	0.7	0.04	0.03	--	0.03	0.04	0.008	0.06	--	0.07	0.004	0.4	0.9	0.5	0.5	0.2	2	2	2	0.2	0.09	0.3	0.09	0.06	0.03	0.8	0.8	0.7	0.2
ADA-082	0.2	--	0.3	0.3	0.06	0.6	--	0.6	0.04	0.03	--	0.03	0.03	0.006	0.05	--	0.06	0.004	0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.09	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
ADA-084	0.2	--	0.4	0.4	0.05	0.8	--	0.6	0.04	0.02	--	0.04	0.04	0.005	0.08	--	0.06	0.004	0.4	0.9	0.5	0.5	0.1	2	2	2	0.2	0.09	0.3	0.09	0.06	0.03	0.9	0.8	0.7	0.2

Table 5-45. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Whitefish

	Total HI Across COPCs by Pathway																	Total HI Across Pathways														
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System														
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-085	0.2	--	0.3	0.4	0.04	0.7	--	0.6	0.05	0.02	--	0.03	0.03	0.004	0.06	--	0.06	0.005	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.9	0.8	0.7	0.2
ADA-088	0.3	--	0.5	0.4	0.09	1	--	0.9	0.09	0.04	--	0.05	0.04	0.009	0.1	--	0.09	0.009	0.5	0.9	0.7	0.5	0.2	3	2	2	0.3	0.1	0.3	0.1	0.06	0.04	0.9	0.8	0.7	0.2
ADA-089	0.4	--	0.5	0.4	0.09	1	--	0.9	0.08	0.05	--	0.04	0.04	0.009	0.1	--	0.09	0.008	0.6	0.9	0.6	0.5	0.2	3	2	3	0.3	0.1	0.3	0.1	0.06	0.04	0.9	0.8	0.7	0.2
ADA-090	0.2	--	0.4	0.4	0.08	0.9	--	0.7	0.07	0.02	--	0.03	0.03	0.007	0.08	--	0.07	0.007	0.4	0.9	0.5	0.4	0.1	2	2	2	0.3	0.09	0.3	0.09	0.06	0.03	0.9	0.8	0.7	0.2
ADA-091	0.3	--	0.4	0.3	0.08	0.7	--	0.8	0.09	0.04	--	0.04	0.03	0.007	0.07	--	0.08	0.009	0.5	0.9	0.5	0.4	0.1	2	2	2	0.3	0.1	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
ADA-092	0.3	--	0.3	0.3	0.05	0.8	--	0.8	0.08	0.04	--	0.03	0.03	0.005	0.08	--	0.08	0.008	0.5	0.9	0.5	0.4	0.1	2	2	2	0.3	0.1	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
ADA-093	0.3	--	0.3	0.3	0.04	0.9	--	0.7	0.04	0.03	--	0.03	0.03	0.004	0.09	--	0.07	0.004	0.5	0.9	0.5	0.4	0.1	2	2	2	0.2	0.1	0.3	0.08	0.05	0.03	0.9	0.8	0.7	0.2
ADA-094	0.2	--	0.3	0.4	0.03	0.6	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.06	--	0.05	0.002	0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.09	0.3	0.09	0.06	0.03	0.8	0.8	0.7	0.2
ADA-095	0.3	--	0.5	0.4	0.05	0.9	--	0.7	0.03	0.03	--	0.04	0.04	0.005	0.08	--	0.07	0.003	0.5	0.9	0.6	0.5	0.1	2	2	2	0.2	0.1	0.3	0.1	0.06	0.03	0.9	0.8	0.7	0.2
ADA-096	0.3	--	0.3	0.3	0.08	0.8	--	0.7	0.08	0.03	--	0.03	0.03	0.008	0.08	--	0.07	0.008	0.5	0.9	0.5	0.4	0.2	2	2	2	0.3	0.1	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
ADA-097	0.4	--	0.4	0.4	0.1	0.9	--	1	0.1	0.05	--	0.04	0.03	0.01	0.09	--	0.1	0.01	0.6	0.9	0.6	0.4	0.2	2	2	3	0.3	0.1	0.3	0.09	0.06	0.04	0.9	0.8	0.7	0.2
ADA-099	0.4	--	0.4	0.4	0.07	1	--	0.9	0.06	0.04	--	0.04	0.04	0.007	0.09	--	0.09	0.006	0.5	0.9	0.6	0.4	0.1	3	2	2	0.3	0.1	0.3	0.1	0.06	0.03	0.9	0.8	0.7	0.2
ADA-101	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.04	0.03	--	0.03	0.03	0.009	0.05	--	0.07	0.004	0.4	0.9	0.5	0.4	0.2	2	2	2	0.2	0.09	0.3	0.09	0.05	0.04	0.8	0.8	0.7	0.2
ADA-102	0.2	--	0.3	0.4	0.04	0.7	--	0.5	0.03	0.02	--	0.03	0.03	0.004	0.06	--	0.05	0.003	0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.09	0.3	0.09	0.06	0.03	0.9	0.8	0.7	0.2
ADA-103	0.2	--	0.5	0.5	0.06	1	--	0.6	0.05	0.03	--	0.05	0.04	0.006	0.1	--	0.06	0.005	0.4	0.9	0.7	0.5	0.1	3	2	2	0.2	0.09	0.3	0.1	0.07	0.03	0.9	0.8	0.7	0.2
ADA-104	0.1	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.06	--	0.04	0.002	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
ADA-105	0.3	--	0.4	0.4	0.07	0.7	--	0.7	0.07	0.03	--	0.04	0.03	0.006	0.06	--	0.07	0.007	0.4	0.9	0.5	0.4	0.1	2	2	2	0.3	0.09	0.3	0.09	0.06	0.03	0.9	0.8	0.7	0.2
ADA-106	0.1	--	0.3	0.3	0.04	0.7	--	0.4	0.03	0.02	--	0.03	0.03	0.003	0.06	--	0.04	0.003	0.3	0.9	0.5	0.4	0.1	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.9	0.8	0.6	0.2
ADA-107	0.2	--	0.5	0.4	0.03	1	--	0.7	0.05	0.03	--	0.05	0.03	0.003	0.09	--	0.07	0.005	0.4	0.9	0.6	0.4	0.1	3	2	2	0.2	0.09	0.3	0.1	0.06	0.03	0.9	0.8	0.7	0.2
ADA-108	0.2	--	0.4	0.3	0.06	0.6	--	0.6	0.06	0.02	--	0.04	0.03	0.005	0.06	--	0.06	0.006	0.4	0.9	0.5	0.4	0.1	2	2	2	0.3	0.09	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
ADA-109	0.3	--	0.3	0.3	0.1	0.6	--	0.8	0.09	0.04	--	0.03	0.03	0.01	0.05	--	0.08	0.009	0.5	0.9	0.4	0.4	0.2	2	2	2	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-110	0.2	--	0.3	0.3	0.1	0.5	--	0.7	0.07	0.03	--	0.03	0.03	0.009	0.04	--	0.07	0.007	0.4	0.9	0.4	0.3	0.2	2	2	2	0.3	0.09	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-111	0.2	--	0.4	0.4	0.03	0.8	--	0.6	0.03	0.02	--	0.04	0.04	0.003	0.07	--	0.06	0.003	0.4	0.9	0.6	0.4	0.1	2	2	2	0.2	0.09	0.3	0.09	0.06	0.03	0.9	0.8	0.7	0.2
ADA-112	0.2	--	0.4	0.4	0.03	1	--	0.5	0.04	0.02	--	0.03	0.04	0.003	0.09	--	0.05	0.004	0.4	0.9	0.5	0.5	0.1	2	2	2	0.2	0.09	0.3	0.09	0.06	0.03	0.9	0.8	0.7	0.2
ADA-113	0.2	--	0.3	0.3	0.03	1	--	0.6	0.03	0.02	--	0.03	0.03	0.003	0.09	--	0.06	0.004	0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.09	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
ADA-114	0.3	--	0.3	0.3	0.02	0.9	--	0.6	0.03	0.03	--	0.03	0.03	0.002	0.08	--	0.06	0.003	0.4	0.9	0.4	0.4	0.09	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.9	0.8	0.7	0.2
ADA-115	0.2	--	0.3	0.3	0.04	0.6	--	0.5	0.03	0.02	--	0.02	0.03	0.004	0.06	--	0.05	0.003	0.4	0.9	0.4	0.3	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
ADA-116	0.2	--	0.3	0.3	0.04	0.5	--	0.5	0.02	0.03	--	0.02	0.03	0.004	0.05	--	0.05	0.002	0.4	0.9	0.4	0.3	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
ADA-117	0.3	--	0.3	0.3	0.06	0.8	--	0.6	0.05	0.03	--	0.03	0.03	0.006	0.07	--	0.06	0.005	0.4	0.9	0.4	0.4	0.1	2	2	2	0.2	0.09	0.3	0.08	0.05	0.03	0.9	0.8	0.7	0.2
ADA-118	0.2	--	0.4	0.4	0.05	0.9	--	0.6	0.06	0.03	--	0.03	0.03	0.004	0.09	--	0.06	0.006	0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.09	0.3	0.09	0.06	0.03	0.9	0.8	0.7	0.2
ADA-119	0.2	--	0.3	0.3	0.05	0.7	--	0.6	0.05	0.03	--	0.03	0.03	0.005	0.06	--	0.06	0.005	0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.09	0.3	0.09	0.05	0.03	0.9	0.8	0.7	0.2
ADA-121	0.3	--	0.4	0.4	0.07	0.9	--	0.8	0.07	0.03	--	0.04	0.04	0.007	0.08	--	0.08	0.007	0.5	0.9	0.6	0.5	0.1	2	2	2	0.3	0.1	0.3	0.1	0.06	0.03	0.9	0.8	0.7	0.2
ADA-122	0.1	--	0.3	0.3	0.02	0.7	--	0.4	0.02	0.02	--	0.03	0.03	0.002	0.06	--	0.04	0.002	0.3	0.9	0.4	0.4	0.09	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.9	0.8	0.6	0.2
ADA-124	0.2	--	0.2	0.2	0.08	0.3	--	0.5	0.03	0.02	--	0.01	0.02	0.007	0.03	--	0.05	0.003	0.3	0.9	0.3	0.3	0.2	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2
ADA-125	0.3	--	0.2	0.2	0.05	0.4	--	0.6	0.02	0.03	--	0.02	0.02	0.005	0.03	--	0.06	0.002	0.4	0.9	0.3	0.3	0.1	2	2	2	0.2	0.09	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2
ADA-126	0.4	--	0.2	0.2	0.09	0.5	--	0.9	0.09	0.05	--	0.02	0.02	0.009	0.04	--	0.09	0.009	0.6	0.9	0.4	0.3	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-127	0.3	--	0.5	0.4	0.07	0.6	--	0.7	0.08	0.04	--	0.04	0.03	0.006	0.06	--	0.07	0.008	0.5	0.9	0.6	0.4	0.1	2	2	2	0.3	0.1	0.3	0.1	0.06	0.03	0.8	0.8	0.7	0.2
ADA-128	0.2	--	0.2	0.2	0.1	0.3	--	0.7	0.1	0.03	--	0.01	0.02	0.01	0.03	--	0.07	0.01	0.4	0.9	0.3	0.2	0.2	2	2	2	0.3	0.09	0.3	0.07	0.04	0.04	0.8	0.8	0.7	0.2
ADA-131	0.4	--	0.2	0.3	0.1	0.5	--	0.9	0.09	0.04	--	0.02	0.02	0.01	0.04	--	0.09	0.009	0.5	0.9	0.4	0.3	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-132	0.1	--	0.2	0.2	0.04	0.2	--	0.5	0.03	0.02	--	0.02	0.02	0.004	0.02	--	0.05	0.003	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.7	0.2
ADA-133	0.3	--	0.3	0.3	0.09	0.6	--	0.8	0.08	0.04	--	0.03	0.03	0.008	0.06	--	0.08	0.008	0.5	0.9	0.4	0.3	0.2	2	2	2	0.3	0.1	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
ADA-135	0.1	--	0.2	0.3	0.04	0.3	--	0.4	0.04	0.01	--	0.02	0.02	0.004	0.03	--	0.04	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
ADA-136	0.3	--	0.3	0.3	0.1	0.5	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.05	--	0.08	0.01	0.4	0.9	0.4	0.4	0.2	2	2	2	0.3	0.09	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-139	0.3	--	0.3	0.3	0.08	0.5	--	0.7	0.06	0.03	--	0.03	0.03	0.007	0.05	--	0.07	0.006	0.5	0.9	0.5	0.4	0.1	2	2	2	0.2	0.1	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
ADA-140	0.4	--	0.2	0.3	0.1	0.3	--	1	0.1	0.04	--	0.02	0.03	0.01	0.02	--	0.1	0.01	0.6	0.9	0.4	0.4	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-141	0.3	--	0.3	0.3	0.05	0.6	--	0.7	0.04	0.03	--	0.03	0.03	0.005	0.06	--	0.07	0.004	0.4	0.9	0.5	0.4	0.1	2	2	2	0.2	0.09	0.3	0.09	0.05	0.03	0.8	0.8	0.7	0.2
ADA-142	0.4	--	0.2	0.3	0.2	0.6	--	1	0.2	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.02	0.6	0.9	0.4	0.3	0.3	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-143	0.3	--	0.3	0.3	0.1	0.5	--	0.7	0.08	0.03	--	0.03	0.03	0.01	0.05	--	0.07	0.008	0.4	0.9	0.4	0.3	0.2	2	2	2	0.3	0.09	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-144	0.8	--	0.2	0.3	0.4	0.7	--	2	0.2	0.09	--	0.02	0.03	0.04	0.07	--	0.2	0.02	0.9	0.9	0.4	0.3	0.5	2	2	3	0.4	0.2	0.3	0.08	0.05	0.06	0.9	0.8	0.8	0.2
ADA-145	0.3	--	0.3	0.3	0.1	0.7	--	0.8	0.1	0.03	--	0.03	0.03	0.01	0.06	--	0.08	0.01	0.5	0.9	0.5	0.4	0.2	2	2	2	0.3	0.1	0.3	0.09	0.05	0.04	0.9	0.8	0.7	0.2
ADA-146	0.4	--	0.3	0.3	0.1	0.5	--	0.9	0.1	0.04	--	0.02	0.03	0.01	0.05	--	0.09	0.01	0.5	0.9	0.4	0.3	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-147	0.5	--	0.2	0.3	0.3	0.4	--	1	0.1	0.06	--	0.02	0.02	0.03	0.04	--	0.1	0.01	0.7	0.9	0.3	0.3	0.4	2	2	3	0.3	0.1	0.3	0.07	0.05	0.06	0.8	0.8	0.7	0.2
ADA-148	0.3	--	0.2	0.2	0.1	0.3	--	0.9	0.08	0.03	--	0.02	0.02	0.009	0.03	--	0.09	0.008	0.5	0.9	0.4	0.3	0.2	2	2	2	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-150	0.5	--	0.2	0.3	0.2	0.4	--	1	0.1	0.05	--	0.02	0.02	0.02	0.04	--	0.1	0.01	0.7	0.9	0.4	0.3	0.3	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-151	0.3	--	0.2	0.3	0.1	0.2	--	1	0.06	0.04	--	0.02	0.02	0.01	0.02	--	0.1	0.006	0.5	0.9	0.4	0.3	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-152	0.5	--	0.3	0.4	0.08	0.6	--	1	0.07	0.06	--	0.03	0.04	0.007	0.06	--	0.1	0.007	0.7	0.9	0.5	0.4	0.1	2	2	3	0.3	0.1	0.3	0.09	0.06	0.03	0.8	0.8	0.7	0.2
ADA-153	0.4	--	0.3	0.3	0.1	0.6	--	1	0.1	0.05	--	0.03	0.03	0.01	0.06	--	0.1	0.01	0.6	0.9	0.5	0.4	0.2	2	2	3	0.3	0.1	0.3	0.09	0.05	0.04	0.8	0.8	0.7	0.2
ADA-154	0.4	--	0.4	0.3	0.1	0.6	--	0.9	0.09	0.04	--	0.04	0.03	0.01	0.06	--	0.09	0.009	0.6	0.9	0.5	0.4	0.2	2	2	2	0.3	0.1	0.3	0.09	0.05	0.04	0.8	0.8	0.7	0.2
ADA-155	0.3	--	0.2	0.2	0.1	0.5	--	0.8	0.07	0.04	--	0.02	0.02	0.01	0.05	--	0.08	0.007	0.5	0.9	0.3	0.3	0.2	2	2	2	0.3	0.1	0.3	0.07	0.04	0.04	0.8	0.8	0.7	0.2
ADA-156	0.2	--	0.2	0.3	0.1	0.4	--	0.7	0.06	0.03	--	0.02	0.03	0.01	0.04	--	0.07	0.007	0.4	0.9	0.4	0.3	0.2	2	2	2	0.3	0.09	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-158	0.4	--	0.2	0.3	0.2	0.3	--	0.9	0.08	0.04	--	0.02	0.02	0.02	0.03	--	0.09	0.008	0.5	0.9	0.4	0.3	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-159	0.4	--	0.4	0.3	0.2	0.7	--	0.9	0.1	0.04	--	0.04	0.03	0.02	0.06	--	0.09	0.01	0.5	0.9	0.5	0.4	0.3	2	2	3	0.3	0.1	0.3	0.09	0.05	0.04	0.9	0.8	0.7	0.2

Table 5-45. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Future Resident who Consumes Whitefish

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-160	0.4	--	0.2	0.2	0.1	0.4	--	0.8	0.08	0.04	--	0.02	0.02	0.01	0.04	--	0.08	0.008	0.5	0.9	0.3	0.3	0.2	2	2	2	0.3	0.1	0.3	0.07	0.04	0.04	0.8	0.8	0.7	0.2
ADA-161	0.3	--	0.2	0.3	0.1	0.5	--	0.8	0.09	0.03	--	0.02	0.02	0.01	0.05	--	0.08	0.009	0.4	0.9	0.4	0.3	0.2	2	2	2	0.3	0.09	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-162	0.5	--	0.2	0.3	0.4	0.4	--	2	0.2	0.06	--	0.02	0.02	0.04	0.04	--	0.2	0.02	0.7	0.9	0.3	0.3	0.5	2	2	3	0.4	0.1	0.3	0.07	0.05	0.06	0.8	0.8	0.8	0.2
ADA-164	0.4	--	0.3	0.3	0.2	0.5	--	1	0.1	0.04	--	0.02	0.03	0.02	0.05	--	0.1	0.01	0.6	0.9	0.4	0.3	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-165	0.4	--	0.3	0.3	0.1	0.5	--	1	0.1	0.05	--	0.02	0.02	0.01	0.05	--	0.1	0.01	0.6	0.9	0.4	0.3	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-168	0.4	--	0.2	0.3	0.1	0.5	--	1	0.09	0.05	--	0.02	0.03	0.01	0.04	--	0.1	0.009	0.6	0.9	0.4	0.3	0.2	2	2	3	0.3	0.1	0.3	0.08	0.05	0.04	0.8	0.8	0.7	0.2
ADA-169	0.1	--	0.3	0.4	0.01	0.6	--	0.3	0.007	0.01	--	0.03	0.03	0.001	0.05	--	0.03	0.0007	0.3	0.9	0.5	0.4	0.08	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.6	0.2
ADA-170	0.2	--	0.3	0.4	0.03	0.5	--	0.5	0.02	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.002	0.4	0.9	0.4	0.4	0.1	2	2	2	0.2	0.09	0.3	0.08	0.06	0.03	0.8	0.8	0.7	0.2
ADA-171	0.2	--	0.3	0.3	0.03	0.5	--	0.5	0.03	0.02	--	0.03	0.03	0.003	0.05	--	0.05	0.003	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
ADA-172	0.09	--	0.2	0.3	0.02	0.5	--	0.3	0.006	0.01	--	0.02	0.02	0.002	0.05	--	0.03	0.0006	0.3	0.9	0.4	0.3	0.09	2	2	2	0.2	0.07	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
ADA-173	0.2	--	0.2	0.3	0.03	0.6	--	0.4	0.02	0.02	--	0.02	0.03	0.003	0.05	--	0.04	0.002	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
ADA-174	0.1	--	0.2	0.2	0.03	0.6	--	0.4	0.03	0.02	--	0.02	0.02	0.003	0.06	--	0.04	0.003	0.3	0.9	0.3	0.3	0.1	2	2	2	0.2	0.08	0.3	0.07	0.04	0.03	0.8	0.8	0.6	0.2
ADA-175	0.1	--	0.4	0.3	0.02	0.7	--	0.4	0.01	0.01	--	0.03	0.03	0.002	0.07	--	0.04	0.001	0.3	0.9	0.5	0.4	0.09	2	2	2	0.2	0.08	0.3	0.09	0.05	0.03	0.9	0.8	0.6	0.2
ADA-176	0.1	--	0.6	0.5	0.02	0.8	--	0.6	0.01	0.01	--	0.06	0.04	0.002	0.07	--	0.06	0.001	0.3	0.9	0.7	0.5	0.09	2	2	2	0.2	0.08	0.3	0.1	0.06	0.03	0.9	0.8	0.7	0.2
ADA-177	0.1	--	0.4	0.4	0.01	0.6	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.06	--	0.04	0.0007	0.3	0.9	0.6	0.4	0.09	2	2	2	0.2	0.08	0.3	0.1	0.06	0.03	0.8	0.8	0.6	0.2
ADA-178	0.1	--	0.4	0.4	0.02	0.5	--	0.4	0.007	0.02	--	0.04	0.04	0.001	0.05	--	0.04	0.0007	0.3	0.9	0.5	0.5	0.09	2	2	2	0.2	0.08	0.3	0.09	0.06	0.03	0.8	0.8	0.6	0.2
ADA-179	0.1	--	0.2	0.3	0.03	0.5	--	0.4	0.02	0.01	--	0.02	0.03	0.002	0.05	--	0.04	0.002	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
ADA-180	0.1	--	0.3	0.3	0.04	0.6	--	0.5	0.05	0.01	--	0.02	0.03	0.004	0.05	--	0.05	0.005	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
ADA-181	0.1	--	0.2	0.3	0.04	0.6	--	0.6	0.04	0.01	--	0.02	0.02	0.004	0.05	--	0.05	0.004	0.3	0.9	0.4	0.3	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
ADA-182	0.1	--	0.3	0.3	0.03	0.5	--	0.4	0.05	0.01	--	0.03	0.03	0.003	0.04	--	0.04	0.005	0.3	0.9	0.4	0.4	0.1	2	2	2	0.2	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2
ADA-183	0.2	--	0.3	0.3	0.09	0.4	--	0.6	0.2	0.02	--	0.02	0.02	0.008	0.04	--	0.06	0.02	0.4	0.9	0.4	0.3	0.2	2	2	2	0.4	0.09	0.3	0.08	0.05	0.03	0.8	0.8	0.7	0.2
ADA-184	0.1	--	0.3	0.3	0.03	0.6	--	0.4	0.09	0.01	--	0.03	0.02	0.003	0.06	--	0.04	0.009	0.3	0.9	0.4	0.3	0.1	2	2	2	0.3	0.08	0.3	0.08	0.05	0.03	0.8	0.8	0.6	0.2

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-46. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Burbot

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
Indoor Air	--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																
Outdoor Air	--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02	**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**									**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Burbot)	0.007	0.7	0.007	0.0009	0.04	0.7	0.3	0.2	--	0.003	0.3	0.003	0.0004	0.01	0.3	0.1	0.08	--																
Upland Soil/Dust[a]	**Number of ADAs that exceed benchmark[c] for Soil/Dust:**									**Number of ADAs that exceed benchmark[c] for Soil/Dust:**																										
ADA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADA-001	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.006	--	0.01	0.01	0.003	0.02	--	0.02	0.003	0.06	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.009	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
ADA-002	0.05	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.7	0.1	0.1	0.06	1	0.3	0.4	0.1	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-004	0.06	--	0.07	0.08	0.02	0.1	--	0.2	0.02	0.007	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.07	0.7	0.08	0.09	0.06	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-005	0.07	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.009	--	0.01	0.01	0.003	0.01	--	0.03	0.001	0.08	0.7	0.1	0.1	0.06	1	0.3	0.5	0.1	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-006	0.07	--	0.08	0.09	0.03	0.1	--	0.2	0.02	0.008	--	0.009	0.01	0.003	0.02	--	0.02	0.003	0.08	0.7	0.09	0.09	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-008	0.08	--	0.08	0.1	0.03	0.1	--	0.2	0.02	0.01	--	0.009	0.01	0.004	0.02	--	0.03	0.002	0.09	0.7	0.09	0.1	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-010	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.04	--	0.04	0.005	0.1	0.7	0.1	0.1	0.08	1	0.3	0.5	0.2	0.02	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-015	0.04	--	0.05	0.06	0.01	0.1	--	0.1	0.01	0.005	--	0.006	0.008	0.002	0.01	--	0.02	0.001	0.05	0.7	0.06	0.07	0.05	1	0.3	0.4	0.1	0.008	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
ADA-016	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.02	0.007	--	0.007	0.008	0.002	0.02	--	0.02	0.002	0.07	0.7	0.06	0.07	0.06	1	0.3	0.4	0.2	0.01	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
ADA-017	0.08	--	0.06	0.08	0.03	0.1	--	0.2	0.02	0.01	--	0.008	0.009	0.004	0.02	--	0.03	0.002	0.09	0.7	0.07	0.08	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-018	0.05	--	0.06	0.08	0.04	0.1	--	0.2	0.03	0.006	--	0.007	0.009	0.005	0.02	--	0.03	0.003	0.06	0.7	0.07	0.08	0.08	1	0.3	0.5	0.2	0.009	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
ADA-019	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.02	0.001	0.02	--	0.02	0.001	0.07	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.01	0.3	0.02	0.02	0.02	0.5	0.1	0.1	0.1
ADA-020	0.04	--	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.001	0.05	0.7	0.1	0.09	0.05	1	0.3	0.4	0.1	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-021	0.1	--	0.2	0.1	0.02	0.2	--	0.2	0.01	0.01	--	0.03	0.02	0.002	0.02	--	0.02	0.001	0.1	0.7	0.2	0.1	0.05	1	0.3	0.4	0.1	0.02	0.3	0.03	0.02	0.02	0.5	0.1	0.1	0.1
ADA-023	0.07	--	0.1	0.09	0.02	0.1	--	0.2	0.03	0.009	--	0.01	0.01	0.002	0.01	--	0.03	0.003	0.08	0.7	0.1	0.09	0.06	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-024	0.1	--	0.06	0.08	0.04	0.2	--	0.3	0.03	0.01	--	0.007	0.009	0.005	0.02	--	0.03	0.004	0.1	0.7	0.07	0.08	0.08	1	0.3	0.5	0.2	0.02	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
ADA-025	0.07	--	0.06	0.07	0.02	0.2	--	0.2	0.03	0.008	--	0.007	0.008	0.002	0.02	--	0.02	0.003	0.08	0.7	0.07	0.07	0.05	1	0.3	0.4	0.2	0.01	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
ADA-026	0.04	--	0.07	0.08	0.01	0.1	--	0.1	0.02	0.005	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.05	0.7	0.08	0.08	0.05	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-028	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.007	--	0.007	0.008	0.002	0.01	--	0.02	0.002	0.07	0.7	0.06	0.07	0.06	1	0.3	0.4	0.2	0.01	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
ADA-033	0.05	--	0.06	0.07	0.007	0.2	--	0.2	0.01	0.005	--	0.007	0.009	0.0008	0.02	--	0.02	0.002	0.05	0.7	0.07	0.08	0.05	1	0.3	0.4	0.2	0.008	0.3	0.01	0.009	0.02	0.6	0.1	0.1	0.1
ADA-034	0.04	--	0.08	0.1	0.008	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.04	0.7	0.09	0.1	0.05	1	0.3	0.4	0.1	0.007	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-035	0.06	--	0.06	0.08	0.01	0.2	--	0.2	0.02	0.007	--	0.007	0.009	0.002	0.02	--	0.02	0.002	0.07	0.7	0.06	0.08	0.05	1	0.3	0.4	0.2	0.01	0.3	0.009	0.01	0.02	0.5	0.1	0.1	0.1
ADA-039	0.03	--	0.07	0.07	0.005	0.2	--	0.1	0.01	0.003	--	0.008	0.009	0.0006	0.02	--	0.01	0.002	0.03	0.7	0.08	0.08	0.04	1	0.3	0.3	0.2	0.006	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
ADA-042	0.04	--	0.07	0.09	0.01	0.1	--	0.1	0.005	0.005	--	0.008	0.01	0.001	0.01	--	0.01	0.0006	0.05	0.7	0.07	0.09	0.05	1	0.3	0.3	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-043	0.05	--	0.2	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.02	0.02	0.003	0.03	--	0.02	0.003	0.06	0.7	0.2	0.1	0.06	1	0.3	0.4	0.2	0.009	0.3	0.02	0.02	0.02	0.6	0.1	0.1	0.1
ADA-044	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.05	0.007	--	0.02	0.01	0.001	0.03	--	0.03	0.005	0.07	0.7	0.2	0.1	0.05	1	0.3	0.4	0.2	0.01	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-045	0.1	--	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.7	0.09	0.09	0.07	1	0.3	0.5	0.2	0.02	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-046	0.05	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.006	--	0.007	0.008	0.002	0.01	--	0.02	0.001	0.06	0.7	0.06	0.07	0.06	1	0.3	0.4	0.2	0.009	0.3	0.01	0.008	0.02	0.5	0.1	0.1	0.1
ADA-047	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.08	0.7	0.1	0.1	0.07	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-048	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.007	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-049	0.04	--	0.09	0.1	0.007	0.2	--	0.2	0.02	0.005	--	0.01	0.01	0.0008	0.02	--	0.02	0.002	0.05	0.7	0.09	0.1	0.05	1	0.3	0.4	0.2	0.008	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-050	0.1	--	0.2	0.1	0.03	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.02	--	0.04	0.005	0.1	0.7	0.2	0.1	0.07	1	0.3	0.6	0.2	0.01	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-051	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.03	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.003	0.05	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-052	0.08	--	0.1	0.1	0.03	0.2	--	0.3	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.09	0.7	0.1	0.1	0.07	1	0.3	0.5	0.2	0.01	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-053	0.04	--	0.1	0.1	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0009	0.03	--	0.02	0.0007	0.04	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.007	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-054	0.1	--	0.1	0.09	0.06	0.2	--	0.3	0.05	0.02	--	0.01	0.01	0.006	0.02	--	0.04	0.005	0.1	0.7	0.1	0.09	0.09	1	0.3	0.5	0.2	0.02	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-055	0.07	--	0.09	0.1	0.02	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.002	0.03	--	0.03	0.004	0.07	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-056	0.04	--	0.1	0.1	0.006	0.2	--	0.1	0.006	0.005	--	0.01	0.01	0.0007	0.03	--	0.02	0.0007	0.05	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.007	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-057	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.004	--	0.02	0.01	0.002	0.02	--	0.02	0.001	0.04	0.7	0.2	0.1	0.05	1	0.3	0.4	0.2	0.007	0.3	0.02	0.02	0.02	0.6	0.1	0.1	0.1
ADA-058	0.03	--	0.1	0.1	0.005	0.2	--	0.1	0.006	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0007	0.03	0.7	0.1	0.1	0.04	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-059	0.04	--	0.1	0.1	0.01	0.3	--	0.2	0.01	0.004	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.04	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.007	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-060	0.1	--	0.2	0.1	0.04	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.03	--	0.04	0.004	0.1	0.7	0.2	0.1	0.08	1	0.3	0.6	0.2	0.02	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-061	0.04	--	0.2	0.1	0.006	0.3	--	0.2	0.009	0.004	--	0.02	0.02	0.0007	0.04	--	0.02	0.001	0.04	0.7	0.2	0.1	0.05	1	0.3	0.4	0.1	0.007	0.3	0.02	0.02	0.02	0.6	0.1	0.1	0.1
ADA-062	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.09	0.7	0.1	0.1	0.06	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-063	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.002	0.06	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.009	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-064	0.06	--	0.1	0.1	0.008	0.3	--	0.2	0.009	0.007	--	0.02	0.02	0.001	0.04	--	0.02	0.001	0.07	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.01	0.3	0.02	0.02	0.02	0.6	0.1	0.1	0.1
ADA-065	0.08	--	0.08	0.09	0.04	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.003	0.09	0.7	0.09	0.09	0.08	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-066	0.05	--	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	--	0.009	0.01	0.002	0.02	--	0.02	0.002	0.05	0.7	0.08	0.09	0.05	1	0.3	0.4	0.2	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-067	0.04	--	0.1	0.1	0.009	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.001	0.03	--	0.02	0.003	0.05	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.008	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-070	0.09	--	0.1	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.09	0.7	0.1	0.1	0.07	1	0.3	0.5	0.2	0.01	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-071	0.07	--	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.07	0.7	0.09	0.1	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-073	0.09	--	0.08	0.09	0.04	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.002	0.1	0.7	0.09	0.09	0.08	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-076	0.1	--	0.09	0.1	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.004	0.1	0.7	0.1	0.1	0.07	1	0.3	0.5	0.2	0.02	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-078	0.09	--	0.09	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.09	0.7	0.1	0.1	0.07	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-079	0.05	--	0.07	0.07	0.02	0.2	--	0.1	0.03	0.006	--	0.009	0.009	0.002	0.02	--	0.02	0.004	0.06	0.7	0.08	0.07	0.06	1	0.3	0.4	0.2	0.009	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
ADA-081	0.07	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.07	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-082	0.06	--	0.1	0.09	0.02	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.7	0.1	0.09	0.06	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-084	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.006	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.06	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.009	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1

Table 5-46. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Burbot

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-085	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.002	0.05	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.008	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-088	0.09	--	0.2	0.1	0.03	0.3	--	0.2	0.03	0.01	--	0.02	0.02	0.003	0.03	--	0.03	0.003	0.1	0.7	0.2	0.1	0.07	1	0.3	0.5	0.2	0.01	0.3	0.02	0.02	0.02	0.6	0.1	0.1	0.1
ADA-089	0.1	--	0.1	0.1	0.03	0.3	--	0.2	0.02	0.01	--	0.02	0.01	0.003	0.04	--	0.03	0.003	0.1	0.7	0.1	0.1	0.07	1	0.3	0.5	0.2	0.02	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-090	0.05	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.006	--	0.01	0.01	0.003	0.03	--	0.02	0.002	0.06	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.009	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-091	0.09	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.7	0.1	0.1	0.06	1	0.3	0.5	0.2	0.01	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-092	0.09	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.002	0.03	--	0.03	0.003	0.09	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-093	0.07	--	0.09	0.1	0.01	0.3	--	0.2	0.01	0.009	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.08	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-094	0.05	--	0.1	0.1	0.01	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.06	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.009	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-095	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.009	0.009	--	0.02	0.01	0.002	0.03	--	0.02	0.001	0.08	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.01	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-096	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.03	--	0.02	0.003	0.08	0.7	0.1	0.09	0.06	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-097	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.03	--	0.03	0.005	0.1	0.7	0.1	0.1	0.08	1	0.3	0.5	0.2	0.02	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-099	0.1	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.03	--	0.03	0.002	0.1	0.7	0.1	0.1	0.06	1	0.3	0.5	0.2	0.01	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-101	0.06	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.07	0.7	0.1	0.1	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-102	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.007	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.0009	0.06	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.009	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-103	0.06	--	0.2	0.1	0.02	0.3	--	0.2	0.01	0.007	--	0.02	0.02	0.002	0.04	--	0.02	0.002	0.07	0.7	0.2	0.1	0.06	1	0.3	0.4	0.2	0.01	0.3	0.02	0.02	0.02	0.6	0.1	0.1	0.1
ADA-104	0.04	--	0.07	0.09	0.008	0.2	--	0.1	0.007	0.004	--	0.009	0.01	0.001	0.02	--	0.01	0.0008	0.04	0.7	0.08	0.09	0.05	1	0.3	0.3	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-105	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.07	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.01	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-106	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.008	0.004	--	0.01	0.01	0.001	0.02	--	0.01	0.001	0.04	0.7	0.1	0.1	0.05	1	0.3	0.3	0.1	0.007	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-107	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.007	--	0.02	0.01	0.001	0.03	--	0.02	0.002	0.07	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.01	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-108	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.009	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-109	0.08	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.09	0.7	0.09	0.09	0.08	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-110	0.06	--	0.08	0.08	0.03	0.1	--	0.2	0.02	0.007	--	0.009	0.01	0.003	0.02	--	0.02	0.002	0.07	0.7	0.09	0.08	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-111	0.05	--	0.1	0.1	0.009	0.2	--	0.2	0.009	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.06	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.009	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-112	0.05	--	0.1	0.1	0.008	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.06	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.009	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-113	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.06	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.009	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-114	0.07	--	0.09	0.1	0.007	0.3	--	0.2	0.007	0.008	--	0.01	0.01	0.0008	0.03	--	0.02	0.0009	0.07	0.7	0.09	0.1	0.05	1	0.3	0.4	0.1	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-115	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.008	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.07	0.7	0.08	0.08	0.05	1	0.3	0.4	0.1	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-116	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.006	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0007	0.07	0.7	0.08	0.09	0.05	1	0.3	0.4	0.1	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-117	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.08	0.7	0.1	0.09	0.06	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-118	0.06	--	0.1	0.1	0.01	0.3	--	0.2	0.02	0.007	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.07	0.7	0.1	0.1	0.05	1	0.3	0.4	0.2	0.01	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-119	0.06	--	0.1	0.09	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.07	0.7	0.1	0.09	0.05	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-121	0.08	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	--	0.01	0.01	0.002	0.03	--	0.03	0.002	0.08	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.01	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-122	0.04	--	0.08	0.09	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.04	0.7	0.09	0.09	0.05	1	0.3	0.3	0.1	0.007	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-124	0.05	--	0.05	0.06	0.02	0.1	--	0.1	0.009	0.005	--	0.005	0.007	0.003	0.01	--	0.02	0.001	0.05	0.7	0.05	0.06	0.06	1	0.3	0.4	0.1	0.008	0.3	0.008	0.007	0.02	0.5	0.1	0.1	0.1
ADA-125	0.07	--	0.05	0.06	0.02	0.1	--	0.2	0.007	0.008	--	0.006	0.007	0.002	0.01	--	0.02	0.0008	0.07	0.7	0.06	0.06	0.05	1	0.3	0.4	0.1	0.01	0.3	0.008	0.008	0.02	0.5	0.1	0.1	0.1
ADA-126	0.1	--	0.06	0.07	0.03	0.1	--	0.3	0.03	0.01	--	0.007	0.008	0.003	0.02	--	0.03	0.003	0.1	0.7	0.07	0.07	0.07	1	0.3	0.5	0.2	0.02	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
ADA-127	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.02	0.01	0.002	0.02	--	0.02	0.003	0.09	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.01	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-128	0.06	--	0.05	0.05	0.04	0.09	--	0.2	0.03	0.007	--	0.005	0.006	0.004	0.01	--	0.02	0.003	0.07	0.7	0.05	0.06	0.07	1	0.3	0.4	0.2	0.01	0.3	0.008	0.007	0.02	0.5	0.1	0.1	0.1
ADA-131	0.09	--	0.07	0.07	0.04	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.005	0.02	--	0.03	0.003	0.1	0.7	0.08	0.08	0.08	1	0.3	0.5	0.2	0.01	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
ADA-132	0.04	--	0.06	0.06	0.01	0.07	--	0.2	0.008	0.005	--	0.007	0.008	0.002	0.008	--	0.02	0.0009	0.05	0.7	0.06	0.07	0.05	1	0.3	0.4	0.1	0.007	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
ADA-133	0.08	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.09	0.7	0.09	0.08	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-135	0.03	--	0.07	0.07	0.01	0.08	--	0.1	0.01	0.004	--	0.008	0.009	0.001	0.01	--	0.01	0.001	0.04	0.7	0.08	0.07	0.05	1	0.3	0.3	0.1	0.007	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
ADA-136	0.07	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.08	0.7	0.09	0.09	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-139	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.08	0.7	0.1	0.1	0.06	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-140	0.1	--	0.07	0.09	0.04	0.07	--	0.3	0.03	0.01	--	0.008	0.01	0.005	0.009	--	0.04	0.003	0.1	0.7	0.08	0.09	0.08	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-141	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.7	0.1	0.1	0.05	1	0.3	0.4	0.1	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-142	0.1	--	0.07	0.08	0.06	0.2	--	0.3	0.04	0.01	--	0.008	0.01	0.007	0.02	--	0.03	0.005	0.1	0.7	0.08	0.09	0.09	1	0.3	0.5	0.2	0.02	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-143	0.07	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.008	--	0.009	0.01	0.004	0.02	--	0.02	0.002	0.07	0.7	0.09	0.08	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-144	0.2	--	0.07	0.08	0.1	0.2	--	0.5	0.06	0.02	--	0.008	0.01	0.01	0.02	--	0.05	0.008	0.2	0.7	0.08	0.08	0.2	1	0.3	0.7	0.2	0.03	0.3	0.01	0.01	0.03	0.6	0.1	0.1	0.1
ADA-145	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.09	0.7	0.1	0.1	0.07	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-146	0.09	--	0.07	0.08	0.03	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.004	0.02	--	0.03	0.003	0.1	0.7	0.08	0.08	0.07	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-147	0.1	--	0.05	0.07	0.1	0.1	--	0.3	0.04	0.02	--	0.006	0.009	0.01	0.01	--	0.04	0.005	0.1	0.7	0.06	0.08	0.1	1	0.3	0.6	0.2	0.02	0.3	0.009	0.009	0.03	0.5	0.1	0.1	0.1
ADA-148	0.08	--	0.06	0.07	0.03	0.09	--	0.2	0.02	0.009	--	0.007	0.009	0.003	0.01	--	0.03	0.002	0.09	0.7	0.07	0.07	0.07	1	0.3	0.5	0.2	0.01	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
ADA-150	0.1	--	0.07	0.07	0.06	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.007	0.02	--	0.04	0.004	0.1	0.7	0.07	0.07	0.09	1	0.3	0.6	0.2	0.02	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
ADA-151	0.08	--	0.06	0.08	0.04	0.07	--	0.3	0.02	0.01	--	0.007	0.009	0.005	0.008	--	0.03	0.002	0.09	0.7	0.07	0.08	0.08	1	0.3	0.5	0.2	0.01	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
ADA-152	0.1	--	0.1	0.1	0.02	0.2	--	0.3	0.02	0.02	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.2	0.7	0.1	0.1	0.06	1	0.3	0.5	0.2	0.02	0.3	0.01	0.01	0.02	0.6	0.1	0.1	0.1
ADA-153	0.1	--	0.1	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.7	0.1	0.09	0.07	1	0.3	0.5	0.2	0.02	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-154	0.1	--	0.1	0.09	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.1	0.7	0.1	0.09	0.07	1	0.3	0.5	0.2	0.01	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-155	0.09	--	0.05	0.07	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.005	0.02	--	0.03	0.002	0.1	0.7	0.06	0.07	0.08	1	0.3	0.5	0.2	0.01	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
ADA-156	0.06	--	0.07	0.08	0.04	0.1	--	0.2	0.02	0.007	--	0.008	0.009	0.004	0.02	--	0.02	0.002	0.07	0.7	0.07	0.08	0.08	1	0.3	0.4	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-158	0.09	--	0.06	0.07	0.05	0.09	--	0.3	0.02	0.01	--	0.007	0.009	0.006	0.01	--	0.03	0.003	0.1	0.7	0.07	0.07	0.09	1	0.3	0.5	0.2	0.01	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
ADA-159	0.09	--	0.1	0.09	0.06	0.2	--	0.3	0.04	0.01	--	0.01	0.01	0.007	0.02	--	0.03	0.004	0.1	0.7	0.1	0.09	0.1	1	0.3	0.5	0.2	0.01	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1

Table 5-46. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Burbot

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult							
ADA																																	
ADA-160	0.1	--	0.05	0.06	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.004	0.01	--	0.03	0.003	0.1	0.7	0.06	0.07	0.08	1	0.3	0.4	0.2	0.01	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
ADA-161	0.07	--	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	--	0.008	0.009	0.004	0.02	--	0.03	0.003	0.08	0.7	0.08	0.08	0.07	1	0.3	0.5	0.2	0.01	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
ADA-162	0.1	--	0.06	0.08	0.1	0.1	--	0.4	0.06	0.02	--	0.007	0.009	0.01	0.02	--	0.05	0.007	0.1	0.7	0.06	0.08	0.2	1	0.3	0.7	0.2	0.02	0.3	0.009	0.009	0.03	0.5	0.1	0.1	0.1
ADA-164	0.1	--	0.08	0.08	0.05	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.006	0.02	--	0.03	0.004	0.1	0.7	0.08	0.08	0.09	1	0.3	0.5	0.2	0.01	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-165	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.04	0.01	--	0.009	0.009	0.005	0.02	--	0.04	0.005	0.1	0.7	0.08	0.08	0.08	1	0.3	0.5	0.2	0.02	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
ADA-168	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.03	0.01	--	0.009	0.01	0.005	0.02	--	0.03	0.003	0.1	0.7	0.08	0.08	0.08	1	0.3	0.5	0.2	0.02	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-169	0.03	--	0.09	0.1	0.004	0.2	--	0.09	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.04	0.7	0.1	0.1	0.04	1	0.3	0.3	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.09	0.1
ADA-170	0.05	--	0.09	0.1	0.009	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.06	0.7	0.09	0.1	0.05	1	0.3	0.4	0.1	0.009	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-171	0.04	--	0.08	0.09	0.009	0.2	--	0.2	0.008	0.005	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.05	0.7	0.09	0.09	0.05	1	0.3	0.4	0.1	0.008	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-172	0.02	--	0.07	0.07	0.005	0.2	--	0.08	0.002	0.003	--	0.008	0.009	0.0006	0.02	--	0.009	0.0002	0.03	0.7	0.07	0.07	0.04	1	0.3	0.3	0.1	0.005	0.3	0.01	0.009	0.02	0.5	0.1	0.09	0.1
ADA-173	0.04	--	0.07	0.08	0.009	0.2	--	0.1	0.005	0.005	--	0.008	0.009	0.001	0.02	--	0.01	0.0005	0.05	0.7	0.08	0.08	0.05	1	0.3	0.3	0.1	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-174	0.04	--	0.06	0.07	0.01	0.2	--	0.1	0.008	0.005	--	0.007	0.008	0.001	0.02	--	0.01	0.0009	0.05	0.7	0.06	0.07	0.05	1	0.3	0.3	0.1	0.007	0.3	0.009	0.008	0.02	0.5	0.1	0.1	0.1
ADA-175	0.03	--	0.1	0.09	0.005	0.2	--	0.1	0.003	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0003	0.03	0.7	0.1	0.1	0.04	1	0.3	0.3	0.1	0.006	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-176	0.03	--	0.2	0.1	0.005	0.2	--	0.2	0.003	0.003	--	0.02	0.02	0.0006	0.03	--	0.02	0.0004	0.03	0.7	0.2	0.1	0.04	1	0.3	0.4	0.1	0.006	0.3	0.02	0.02	0.02	0.6	0.1	0.1	0.1
ADA-177	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.04	0.7	0.1	0.1	0.04	1	0.3	0.3	0.1	0.007	0.3	0.02	0.01	0.02	0.6	0.1	0.1	0.1
ADA-178	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.04	0.7	0.1	0.1	0.04	1	0.3	0.3	0.1	0.007	0.3	0.02	0.01	0.02	0.5	0.1	0.1	0.1
ADA-179	0.03	--	0.06	0.08	0.008	0.2	--	0.1	0.005	0.003	--	0.007	0.01	0.0009	0.02	--	0.01	0.0005	0.04	0.7	0.07	0.08	0.05	1	0.3	0.3	0.1	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-180	0.03	--	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	--	0.009	0.01	0.001	0.02	--	0.02	0.001	0.04	0.7	0.08	0.09	0.05	1	0.3	0.4	0.2	0.007	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-181	0.03	--	0.06	0.08	0.01	0.2	--	0.2	0.01	0.004	--	0.007	0.009	0.001	0.02	--	0.02	0.001	0.04	0.7	0.07	0.08	0.05	1	0.3	0.4	0.1	0.007	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
ADA-182	0.03	--	0.09	0.09	0.009	0.1	--	0.1	0.01	0.003	--	0.01	0.01	0.001	0.02	--	0.01	0.002	0.04	0.7	0.09	0.09	0.05	1	0.3	0.3	0.2	0.006	0.3	0.01	0.01	0.02	0.5	0.1	0.1	0.1
ADA-183	0.05	--	0.08	0.07	0.02	0.1	--	0.2	0.04	0.006	--	0.009	0.009	0.003	0.01	--	0.02	0.005	0.06	0.7	0.08	0.08	0.06	1	0.3	0.4	0.2	0.009	0.3	0.01	0.009	0.02	0.5	0.1	0.1	0.1
ADA-184	0.03	--	0.08	0.08	0.009	0.2	--	0.1	0.03	0.004	--	0.01	0.009	0.001	0.02	--	0.01	0.003	0.04	0.7	0.09	0.08	0.05	1	0.3	0.3	0.2	0.007	0.3	0.01	0.009	0.02	0.6	0.1	0.1	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-47. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Kokanee

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
Indoor Air	--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																
Outdoor Air	--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02	**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**									**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Kokanee)	0.03	0.2	0.03	0.004	0.02	0.2	0.2	0.8	--	0.01	0.07	0.01	0.002	0.009	0.08	0.08	0.3	--																
Upland Soil/Dust[a]	**Number of ADAs that exceed benchmark[c] for Soil/Dust:**									**Number of ADAs that exceed benchmark[c] for Soil/Dust:**																										
ADA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADA-001	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.006	--	0.01	0.01	0.003	0.02	--	0.02	0.003	0.08	0.2	0.1	0.1	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-002	0.05	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.08	0.2	0.1	0.1	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-004	0.06	--	0.07	0.08	0.02	0.1	--	0.2	0.02	0.007	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.09	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-005	0.07	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.009	--	0.01	0.01	0.003	0.01	--	0.03	0.001	0.1	0.2	0.1	0.1	0.05	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-006	0.07	--	0.08	0.09	0.03	0.1	--	0.2	0.02	0.008	--	0.009	0.01	0.003	0.02	--	0.02	0.003	0.1	0.2	0.1	0.09	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-008	0.08	--	0.08	0.1	0.03	0.1	--	0.2	0.02	0.01	--	0.009	0.01	0.004	0.02	--	0.03	0.002	0.1	0.2	0.1	0.1	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-010	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.04	--	0.04	0.005	0.2	0.2	0.1	0.1	0.06	0.8	0.2	1	0.2	0.03	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-015	0.04	--	0.05	0.06	0.01	0.1	--	0.1	0.01	0.005	--	0.006	0.008	0.002	0.01	--	0.02	0.001	0.07	0.2	0.08	0.07	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
ADA-016	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.02	0.007	--	0.007	0.008	0.002	0.02	--	0.02	0.002	0.09	0.2	0.08	0.07	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-017	0.08	--	0.06	0.08	0.03	0.1	--	0.2	0.02	0.01	--	0.008	0.009	0.004	0.02	--	0.03	0.002	0.1	0.2	0.09	0.08	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-018	0.05	--	0.06	0.08	0.04	0.1	--	0.2	0.03	0.006	--	0.007	0.009	0.005	0.02	--	0.03	0.003	0.08	0.2	0.09	0.08	0.07	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-019	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.02	0.001	0.02	--	0.02	0.001	0.09	0.2	0.1	0.1	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
ADA-020	0.04	--	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.001	0.07	0.2	0.1	0.1	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-021	0.1	--	0.2	0.1	0.02	0.2	--	0.2	0.01	0.01	--	0.03	0.02	0.002	0.02	--	0.02	0.001	0.1	0.2	0.3	0.2	0.04	0.6	0.2	1	0.1	0.02	0.07	0.04	0.02	0.01	0.4	0.08	0.3	0.1
ADA-023	0.07	--	0.1	0.09	0.02	0.1	--	0.2	0.03	0.009	--	0.01	0.01	0.002	0.01	--	0.03	0.003	0.1	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-024	0.1	--	0.06	0.08	0.04	0.2	--	0.3	0.03	0.01	--	0.007	0.009	0.005	0.02	--	0.03	0.004	0.1	0.2	0.09	0.08	0.07	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-025	0.07	--	0.06	0.07	0.02	0.2	--	0.2	0.03	0.008	--	0.007	0.008	0.002	0.02	--	0.02	0.003	0.1	0.2	0.08	0.07	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-026	0.04	--	0.07	0.08	0.01	0.1	--	0.1	0.02	0.005	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.07	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-028	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.007	--	0.007	0.008	0.002	0.01	--	0.02	0.002	0.09	0.2	0.08	0.07	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
ADA-033	0.05	--	0.06	0.07	0.007	0.2	--	0.2	0.01	0.005	--	0.007	0.009	0.0008	0.02	--	0.02	0.002	0.08	0.2	0.09	0.08	0.03	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
ADA-034	0.04	--	0.08	0.1	0.008	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.07	0.2	0.1	0.1	0.03	0.7	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-035	0.06	--	0.06	0.08	0.01	0.2	--	0.2	0.02	0.007	--	0.007	0.009	0.002	0.02	--	0.02	0.002	0.09	0.2	0.08	0.08	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-039	0.03	--	0.07	0.07	0.005	0.2	--	0.1	0.01	0.003	--	0.008	0.009	0.0006	0.02	--	0.01	0.002	0.06	0.2	0.1	0.08	0.03	0.6	0.2	1	0.2	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
ADA-042	0.04	--	0.07	0.09	0.01	0.1	--	0.1	0.005	0.005	--	0.008	0.01	0.001	0.01	--	0.01	0.0006	0.07	0.2	0.09	0.09	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-043	0.05	--	0.2	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.02	0.02	0.003	0.03	--	0.02	0.003	0.08	0.2	0.2	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
ADA-044	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.05	0.007	--	0.02	0.01	0.001	0.03	--	0.03	0.005	0.09	0.2	0.2	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
ADA-045	0.1	--	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-046	0.05	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.006	--	0.007	0.008	0.002	0.01	--	0.02	0.001	0.08	0.2	0.08	0.07	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-047	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-048	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.07	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-049	0.04	--	0.09	0.1	0.007	0.2	--	0.2	0.02	0.005	--	0.01	0.01	0.0008	0.02	--	0.02	0.002	0.07	0.2	0.1	0.1	0.03	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
ADA-050	0.1	--	0.2	0.1	0.03	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.02	--	0.04	0.005	0.1	0.2	0.2	0.1	0.06	0.7	0.2	1	0.2	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.4	0.1
ADA-051	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.03	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.003	0.07	0.2	0.1	0.1	0.03	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-052	0.08	--	0.1	0.1	0.03	0.2	--	0.3	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-053	0.04	--	0.1	0.1	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0009	0.03	--	0.02	0.0007	0.07	0.2	0.1	0.1	0.03	0.7	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-054	0.1	--	0.1	0.09	0.06	0.2	--	0.3	0.05	0.02	--	0.01	0.01	0.006	0.02	--	0.04	0.005	0.2	0.2	0.1	0.09	0.08	0.7	0.2	1	0.2	0.03	0.07	0.02	0.01	0.02	0.4	0.08	0.3	0.1
ADA-055	0.07	--	0.09	0.1	0.02	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.002	0.03	--	0.03	0.004	0.1	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-056	0.04	--	0.1	0.1	0.006	0.2	--	0.1	0.006	0.005	--	0.01	0.01	0.0007	0.03	--	0.02	0.0007	0.07	0.2	0.1	0.1	0.03	0.7	0.2	1	0.1	0.02	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
ADA-057	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.004	--	0.02	0.01	0.002	0.02	--	0.02	0.001	0.07	0.2	0.2	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
ADA-058	0.03	--	0.1	0.1	0.005	0.2	--	0.1	0.006	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0007	0.06	0.2	0.1	0.1	0.03	0.7	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
ADA-059	0.04	--	0.1	0.1	0.01	0.3	--	0.2	0.01	0.004	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.07	0.2	0.1	0.1	0.04	0.7	0.2	1	0.1	0.02	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
ADA-060	0.1	--	0.2	0.1	0.04	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.03	--	0.04	0.004	0.2	0.2	0.2	0.1	0.06	0.7	0.2	1	0.2	0.03	0.07	0.03	0.01	0.01	0.4	0.08	0.4	0.1
ADA-061	0.04	--	0.2	0.1	0.006	0.3	--	0.2	0.009	0.004	--	0.02	0.02	0.0007	0.04	--	0.02	0.001	0.07	0.2	0.2	0.1	0.03	0.8	0.2	1	0.1	0.02	0.07	0.03	0.02	0.009	0.4	0.08	0.3	0.1
ADA-062	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-063	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.002	0.08	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-064	0.06	--	0.1	0.1	0.008	0.3	--	0.2	0.009	0.007	--	0.02	0.02	0.001	0.04	--	0.02	0.001	0.09	0.2	0.2	0.1	0.03	0.8	0.2	1	0.1	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
ADA-065	0.08	--	0.08	0.09	0.04	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.003	0.1	0.2	0.1	0.09	0.06	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-066	0.05	--	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	--	0.009	0.01	0.002	0.02	--	0.02	0.002	0.08	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-067	0.04	--	0.1	0.1	0.009	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.001	0.03	--	0.02	0.003	0.07	0.2	0.1	0.1	0.03	0.7	0.2	1	0.2	0.02	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
ADA-070	0.09	--	0.1	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.1	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-071	0.07	--	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.1	0.2	0.1	0.1	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-073	0.09	--	0.08	0.09	0.04	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.002	0.1	0.2	0.1	0.09	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-076	0.1	--	0.09	0.1	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.004	0.1	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-078	0.09	--	0.09	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.1	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-079	0.05	--	0.07	0.07	0.02	0.2	--	0.1	0.03	0.006	--	0.009	0.009	0.002	0.02	--	0.02	0.004	0.08	0.2	0.1	0.08	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-081	0.07	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.1	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
ADA-082	0.06	--	0.1	0.09	0.02	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.09	0.2	0.1	0.09	0.04	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-084	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.006	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.08	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1

Table 5-47. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Kokanee

	Total HI Across COPCs by Pathway																	Total HI Across Pathways														
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System														
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-085	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.002	0.07	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-088	0.09	--	0.2	0.1	0.03	0.3	--	0.2	0.03	0.01	--	0.02	0.02	0.003	0.03	--	0.03	0.003	0.1	0.2	0.2	0.1	0.05	0.8	0.2	1	0.2	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
ADA-089	0.1	--	0.1	0.1	0.03	0.3	--	0.2	0.02	0.01	--	0.02	0.01	0.003	0.04	--	0.03	0.003	0.1	0.2	0.2	0.1	0.05	0.8	0.2	1	0.2	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
ADA-090	0.05	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.006	--	0.01	0.01	0.003	0.03	--	0.02	0.002	0.08	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-091	0.09	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-092	0.09	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.002	0.03	--	0.03	0.003	0.1	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-093	0.07	--	0.09	0.1	0.01	0.3	--	0.2	0.01	0.009	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.1	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-094	0.05	--	0.1	0.1	0.01	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.08	0.2	0.1	0.1	0.03	0.7	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-095	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.009	0.009	--	0.02	0.01	0.002	0.03	--	0.02	0.001	0.1	0.2	0.2	0.1	0.04	0.7	0.2	1	0.1	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
ADA-096	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.03	--	0.02	0.003	0.1	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-097	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.03	--	0.03	0.005	0.1	0.2	0.1	0.1	0.07	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-099	0.1	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.03	--	0.03	0.002	0.1	0.2	0.2	0.1	0.05	0.8	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-101	0.06	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.09	0.2	0.1	0.1	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-102	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.007	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.0009	0.08	0.2	0.1	0.1	0.04	0.7	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-103	0.06	--	0.2	0.1	0.02	0.3	--	0.2	0.01	0.007	--	0.02	0.02	0.002	0.04	--	0.02	0.002	0.09	0.2	0.2	0.1	0.04	0.8	0.2	1	0.2	0.02	0.07	0.03	0.02	0.01	0.4	0.08	0.3	0.1
ADA-104	0.04	--	0.07	0.09	0.008	0.2	--	0.1	0.007	0.004	--	0.009	0.01	0.001	0.02	--	0.01	0.0008	0.07	0.2	0.1	0.09	0.03	0.7	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-105	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.1	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-106	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.008	0.004	--	0.01	0.01	0.001	0.02	--	0.01	0.001	0.07	0.2	0.1	0.1	0.03	0.7	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-107	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.007	--	0.02	0.01	0.001	0.03	--	0.02	0.002	0.09	0.2	0.2	0.1	0.03	0.8	0.2	1	0.2	0.02	0.07	0.03	0.01	0.01	0.4	0.08	0.3	0.1
ADA-108	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.08	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-109	0.08	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.1	0.2	0.1	0.09	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-110	0.06	--	0.08	0.08	0.03	0.1	--	0.2	0.02	0.007	--	0.009	0.01	0.003	0.02	--	0.02	0.002	0.09	0.2	0.1	0.09	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-111	0.05	--	0.1	0.1	0.009	0.2	--	0.2	0.009	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.08	0.2	0.1	0.1	0.03	0.7	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-112	0.05	--	0.1	0.1	0.008	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.08	0.2	0.1	0.1	0.03	0.8	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-113	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.09	0.2	0.1	0.1	0.03	0.8	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-114	0.07	--	0.09	0.1	0.007	0.3	--	0.2	0.007	0.008	--	0.01	0.01	0.0008	0.03	--	0.02	0.0009	0.1	0.2	0.1	0.1	0.03	0.7	0.2	1	0.1	0.02	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
ADA-115	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.008	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.09	0.2	0.1	0.09	0.03	0.7	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-116	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.006	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0007	0.09	0.2	0.1	0.09	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-117	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.1	0.2	0.1	0.09	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-118	0.06	--	0.1	0.1	0.01	0.3	--	0.2	0.02	0.007	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.09	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-119	0.06	--	0.1	0.09	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.09	0.2	0.1	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-121	0.08	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	--	0.01	0.01	0.002	0.03	--	0.03	0.002	0.1	0.2	0.2	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.02	0.02	0.01	0.4	0.08	0.3	0.1
ADA-122	0.04	--	0.08	0.09	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.06	0.2	0.1	0.09	0.03	0.7	0.2	0.9	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-124	0.05	--	0.05	0.06	0.02	0.1	--	0.1	0.009	0.005	--	0.005	0.007	0.003	0.01	--	0.02	0.001	0.08	0.2	0.07	0.06	0.05	0.6	0.2	1	0.1	0.02	0.07	0.02	0.008	0.01	0.4	0.08	0.3	0.1
ADA-125	0.07	--	0.05	0.06	0.02	0.1	--	0.2	0.007	0.008	--	0.006	0.007	0.002	0.01	--	0.02	0.0008	0.1	0.2	0.08	0.07	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
ADA-126	0.1	--	0.06	0.07	0.03	0.1	--	0.3	0.03	0.01	--	0.007	0.008	0.003	0.02	--	0.03	0.003	0.1	0.2	0.09	0.08	0.05	0.6	0.2	1	0.2	0.03	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-127	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.02	0.01	0.002	0.02	--	0.02	0.003	0.1	0.2	0.2	0.1	0.04	0.7	0.2	1	0.2	0.02	0.07	0.03	0.01	0.01	0.4	0.08	0.3	0.1
ADA-128	0.06	--	0.05	0.05	0.04	0.09	--	0.2	0.03	0.007	--	0.005	0.006	0.004	0.01	--	0.02	0.003	0.09	0.2	0.07	0.06	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.008	0.01	0.4	0.08	0.3	0.1
ADA-131	0.09	--	0.07	0.07	0.04	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.005	0.02	--	0.03	0.003	0.1	0.2	0.1	0.08	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-132	0.04	--	0.06	0.06	0.01	0.07	--	0.2	0.008	0.005	--	0.007	0.008	0.002	0.008	--	0.02	0.0009	0.07	0.2	0.08	0.07	0.04	0.5	0.2	1	0.1	0.02	0.07	0.02	0.009	0.01	0.3	0.08	0.3	0.1
ADA-133	0.08	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.2	0.1	0.09	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-135	0.03	--	0.07	0.07	0.01	0.08	--	0.1	0.01	0.004	--	0.008	0.009	0.001	0.01	--	0.01	0.001	0.06	0.2	0.1	0.08	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-136	0.07	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.2	0.1	0.09	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-139	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.1	0.2	0.1	0.1	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-140	0.1	--	0.07	0.09	0.04	0.07	--	0.3	0.03	0.01	--	0.008	0.01	0.005	0.009	--	0.04	0.003	0.1	0.2	0.09	0.1	0.06	0.5	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-141	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.1	0.2	0.1	0.1	0.04	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-142	0.1	--	0.07	0.08	0.06	0.2	--	0.3	0.04	0.01	--	0.008	0.01	0.007	0.02	--	0.03	0.005	0.1	0.2	0.1	0.09	0.08	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.02	0.4	0.08	0.3	0.1
ADA-143	0.07	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.008	--	0.009	0.01	0.004	0.02	--	0.02	0.002	0.1	0.2	0.1	0.09	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-144	0.2	--	0.07	0.08	0.1	0.2	--	0.5	0.06	0.02	--	0.008	0.01	0.01	0.02	--	0.05	0.008	0.2	0.2	0.1	0.09	0.1	0.7	0.2	1	0.2	0.03	0.07	0.02	0.01	0.02	0.4	0.08	0.4	0.1
ADA-145	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.1	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-146	0.09	--	0.07	0.08	0.03	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.004	0.02	--	0.03	0.003	0.1	0.2	0.1	0.08	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-147	0.1	--	0.05	0.07	0.1	0.1	--	0.3	0.04	0.02	--	0.006	0.009	0.01	0.01	--	0.04	0.005	0.2	0.2	0.08	0.08	0.1	0.6	0.2	1	0.2	0.03	0.07	0.02	0.01	0.02	0.4	0.08	0.4	0.1
ADA-148	0.08	--	0.06	0.07	0.03	0.09	--	0.2	0.02	0.009	--	0.007	0.009	0.003	0.01	--	0.03	0.002	0.1	0.2	0.09	0.08	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-150	0.1	--	0.07	0.07	0.06	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.007	0.02	--	0.04	0.004	0.2	0.2	0.09	0.08	0.08	0.6	0.2	1	0.2	0.03	0.07	0.02	0.01	0.02	0.4	0.08	0.4	0.1
ADA-151	0.08	--	0.06	0.08	0.04	0.07	--	0.3	0.02	0.01	--	0.007	0.009	0.005	0.008	--	0.03	0.002	0.1	0.2	0.09	0.08	0.06	0.5	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-152	0.1	--	0.1	0.1	0.02	0.2	--	0.3	0.02	0.02	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.2	0.2	0.1	0.1	0.05	0.7	0.2	1	0.2	0.03	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-153	0.1	--	0.1	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.2	0.1	0.1	0.06	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-154	0.1	--	0.1	0.09	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.1	0.2	0.1	0.09	0.05	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-155	0.09	--	0.05	0.07	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.005	0.02	--	0.03	0.002	0.1	0.2	0.08	0.07	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
ADA-156	0.06	--	0.07	0.08	0.04	0.1	--	0.2	0.02	0.007	--	0.008	0.009	0.004	0.02	--	0.02	0.002	0.09	0.2	0.09	0.08	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-158	0.09	--	0.06	0.07	0.05	0.09	--	0.3	0.02	0.01	--	0.007	0.009	0.006	0.01	--	0.03	0.003	0.1	0.2	0.09	0.08	0.07	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-159	0.09	--	0.1	0.09	0.06	0.2	--	0.3	0.04	0.01	--	0.01	0.01	0.007	0.02	--	0.03	0.004	0.1	0.2	0.1	0.09	0.08	0.7	0.2	1	0.2	0.02	0.07	0.02	0.01	0.02	0.4	0.08	0.3	0.1

Table 5-47. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Kokanee

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-160	0.1	--	0.05	0.06	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.004	0.01	--	0.03	0.003	0.1	0.2	0.08	0.07	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.009	0.01	0.4	0.08	0.3	0.1
ADA-161	0.07	--	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	--	0.008	0.009	0.004	0.02	--	0.03	0.003	0.1	0.2	0.1	0.08	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-162	0.1	--	0.06	0.08	0.1	0.1	--	0.4	0.06	0.02	--	0.007	0.009	0.01	0.02	--	0.05	0.007	0.2	0.2	0.08	0.08	0.1	0.6	0.2	1	0.2	0.03	0.07	0.02	0.01	0.02	0.4	0.08	0.4	0.1
ADA-164	0.1	--	0.08	0.08	0.05	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.006	0.02	--	0.03	0.004	0.1	0.2	0.1	0.08	0.07	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-165	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.04	0.01	--	0.009	0.009	0.005	0.02	--	0.04	0.005	0.1	0.2	0.1	0.08	0.07	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-168	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.03	0.01	--	0.009	0.01	0.005	0.02	--	0.03	0.003	0.1	0.2	0.1	0.09	0.06	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-169	0.03	--	0.09	0.1	0.004	0.2	--	0.09	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.06	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.02	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
ADA-170	0.05	--	0.09	0.1	0.009	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.08	0.2	0.1	0.1	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-171	0.04	--	0.08	0.09	0.009	0.2	--	0.2	0.008	0.005	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.07	0.2	0.1	0.1	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-172	0.02	--	0.07	0.07	0.005	0.2	--	0.08	0.002	0.003	--	0.008	0.009	0.0006	0.02	--	0.009	0.0002	0.05	0.2	0.09	0.08	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
ADA-173	0.04	--	0.07	0.08	0.009	0.2	--	0.1	0.005	0.005	--	0.008	0.009	0.001	0.02	--	0.01	0.0005	0.07	0.2	0.09	0.08	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-174	0.04	--	0.06	0.07	0.01	0.2	--	0.1	0.008	0.005	--	0.007	0.008	0.001	0.02	--	0.01	0.0009	0.07	0.2	0.08	0.07	0.03	0.7	0.2	0.9	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-175	0.03	--	0.1	0.09	0.005	0.2	--	0.1	0.003	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0003	0.06	0.2	0.1	0.1	0.03	0.7	0.2	1	0.1	0.01	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
ADA-176	0.03	--	0.2	0.1	0.005	0.2	--	0.2	0.003	0.003	--	0.02	0.02	0.0006	0.03	--	0.02	0.0004	0.06	0.2	0.2	0.1	0.03	0.7	0.2	1	0.1	0.01	0.07	0.03	0.02	0.009	0.4	0.08	0.3	0.1
ADA-177	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.07	0.2	0.1	0.1	0.03	0.7	0.2	0.9	0.1	0.02	0.07	0.02	0.01	0.009	0.4	0.08	0.3	0.1
ADA-178	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.07	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.1	0.02	0.07	0.02	0.02	0.009	0.4	0.08	0.3	0.1
ADA-179	0.03	--	0.06	0.08	0.008	0.2	--	0.1	0.005	0.003	--	0.007	0.01	0.0009	0.02	--	0.01	0.0005	0.06	0.2	0.09	0.09	0.03	0.6	0.2	0.9	0.1	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-180	0.03	--	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	--	0.009	0.01	0.001	0.02	--	0.02	0.001	0.06	0.2	0.1	0.09	0.03	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-181	0.03	--	0.06	0.08	0.01	0.2	--	0.2	0.01	0.004	--	0.007	0.009	0.001	0.02	--	0.02	0.001	0.06	0.2	0.09	0.08	0.03	0.6	0.2	1	0.1	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-182	0.03	--	0.09	0.09	0.009	0.1	--	0.1	0.01	0.003	--	0.01	0.01	0.001	0.02	--	0.01	0.002	0.06	0.2	0.1	0.1	0.03	0.6	0.2	0.9	0.2	0.01	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-183	0.05	--	0.08	0.07	0.02	0.1	--	0.2	0.04	0.006	--	0.009	0.009	0.003	0.01	--	0.02	0.005	0.08	0.2	0.1	0.08	0.05	0.6	0.2	1	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1
ADA-184	0.03	--	0.08	0.08	0.009	0.2	--	0.1	0.03	0.004	--	0.01	0.009	0.001	0.02	--	0.01	0.003	0.06	0.2	0.1	0.08	0.03	0.7	0.2	0.9	0.2	0.02	0.07	0.02	0.01	0.01	0.4	0.08	0.3	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-48. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Northern Pike

	Total HI Across COPCs by Pathway																	**Total HI Across Pathways**																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	**By Target Organ System**																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
	Child									**Adult**									**Child**									**Adult**								
Indoor Air	--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																
Outdoor Air	--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02	**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**									**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Northern Pike)	ND	0.3	NA	NA	0.04	0.4	NA	0.4	--	ND	0.1	NA	NA	0.01	0.1	NA	0.1	--																
Upland Soil/Dust[a]	**Number of ADAs that exceed benchmark[c] for Soil/Dust:**									**Number of ADAs that exceed benchmark[c] for Soil/Dust:**																										
ADA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADA-001	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.006	--	0.01	0.01	0.003	0.02	--	0.02	0.003	0.05	0.3	0.1	0.1	0.06	0.8	NA	0.6	0.2	0.006	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-002	0.05	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.3	0.1	0.1	0.05	0.8	NA	0.6	0.1	0.005	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-004	0.06	--	0.07	0.08	0.02	0.1	--	0.2	0.02	0.007	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.06	0.3	0.07	0.08	0.06	0.8	NA	0.6	0.2	0.007	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
ADA-005	0.07	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.009	--	0.01	0.01	0.003	0.01	--	0.03	0.001	0.07	0.3	0.1	0.1	0.06	0.8	NA	0.6	0.1	0.009	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-006	0.07	--	0.08	0.09	0.03	0.1	--	0.2	0.02	0.008	--	0.009	0.01	0.003	0.02	--	0.02	0.003	0.07	0.3	0.08	0.09	0.06	0.8	NA	0.6	0.2	0.008	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
ADA-008	0.08	--	0.08	0.1	0.03	0.1	--	0.2	0.02	0.01	--	0.009	0.01	0.004	0.02	--	0.03	0.002	0.08	0.3	0.08	0.1	0.07	0.8	NA	0.6	0.2	0.01	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
ADA-010	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.04	--	0.04	0.005	0.1	0.3	0.1	0.1	0.08	1	NA	0.7	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-015	0.04	--	0.05	0.06	0.01	0.1	--	0.1	0.01	0.005	--	0.006	0.008	0.002	0.01	--	0.02	0.001	0.04	0.3	0.05	0.06	0.05	0.8	NA	0.5	0.1	0.005	0.1	0.006	0.008	0.02	0.4	NA	0.2	0.1
ADA-016	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.02	0.007	--	0.007	0.008	0.002	0.02	--	0.02	0.002	0.06	0.3	0.06	0.07	0.06	0.8	NA	0.6	0.2	0.007	0.1	0.007	0.008	0.02	0.4	NA	0.2	0.1
ADA-017	0.08	--	0.06	0.08	0.03	0.1	--	0.2	0.02	0.01	--	0.008	0.009	0.004	0.02	--	0.03	0.002	0.08	0.3	0.06	0.08	0.07	0.8	NA	0.6	0.2	0.01	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
ADA-018	0.05	--	0.06	0.08	0.04	0.1	--	0.2	0.03	0.006	--	0.007	0.009	0.005	0.02	--	0.03	0.003	0.05	0.3	0.06	0.08	0.08	0.8	NA	0.6	0.2	0.006	0.1	0.007	0.009	0.02	0.4	NA	0.2	0.1
ADA-019	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.02	0.001	0.02	--	0.02	0.001	0.06	0.3	0.1	0.1	0.05	0.8	NA	0.6	0.1	0.007	0.1	0.01	0.02	0.02	0.4	NA	0.2	0.1
ADA-020	0.04	--	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.001	0.04	0.3	0.09	0.09	0.05	0.8	NA	0.5	0.1	0.005	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-021	0.1	--	0.2	0.1	0.02	0.2	--	0.2	0.01	0.01	--	0.03	0.02	0.002	0.02	--	0.02	0.001	0.1	0.3	0.2	0.1	0.05	0.8	NA	0.6	0.1	0.01	0.1	0.03	0.02	0.02	0.4	NA	0.2	0.1
ADA-023	0.07	--	0.1	0.09	0.02	0.1	--	0.2	0.03	0.009	--	0.01	0.01	0.002	0.01	--	0.03	0.003	0.07	0.3	0.1	0.09	0.06	0.8	NA	0.6	0.2	0.009	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-024	0.1	--	0.06	0.08	0.04	0.2	--	0.3	0.03	0.01	--	0.007	0.009	0.005	0.02	--	0.03	0.004	0.1	0.3	0.06	0.08	0.08	0.8	NA	0.7	0.2	0.01	0.1	0.007	0.009	0.02	0.4	NA	0.2	0.1
ADA-025	0.07	--	0.06	0.07	0.02	0.2	--	0.2	0.03	0.008	--	0.007	0.008	0.002	0.02	--	0.02	0.003	0.07	0.3	0.06	0.07	0.05	0.8	NA	0.6	0.2	0.008	0.1	0.007	0.008	0.02	0.4	NA	0.2	0.1
ADA-026	0.04	--	0.07	0.08	0.01	0.1	--	0.1	0.02	0.005	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.04	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.2	0.005	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
ADA-028	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.007	--	0.007	0.008	0.002	0.01	--	0.02	0.002	0.06	0.3	0.06	0.07	0.05	0.8	NA	0.6	0.2	0.007	0.1	0.007	0.008	0.02	0.4	NA	0.2	0.1
ADA-033	0.05	--	0.06	0.07	0.007	0.2	--	0.2	0.01	0.005	--	0.007	0.009	0.0008	0.02	--	0.02	0.002	0.05	0.3	0.06	0.07	0.04	0.8	NA	0.6	0.2	0.005	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
ADA-034	0.04	--	0.08	0.1	0.008	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.04	0.3	0.08	0.1	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-035	0.06	--	0.06	0.08	0.01	0.2	--	0.2	0.02	0.007	--	0.007	0.009	0.002	0.02	--	0.02	0.002	0.06	0.3	0.06	0.08	0.05	0.8	NA	0.6	0.2	0.007	0.1	0.007	0.009	0.02	0.4	NA	0.2	0.1
ADA-039	0.03	--	0.07	0.07	0.005	0.2	--	0.1	0.01	0.003	--	0.008	0.009	0.0006	0.02	--	0.01	0.002	0.03	0.3	0.07	0.07	0.04	0.8	NA	0.5	0.2	0.003	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
ADA-042	0.04	--	0.07	0.09	0.01	0.1	--	0.1	0.005	0.005	--	0.008	0.01	0.001	0.01	--	0.01	0.0006	0.04	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.1	0.005	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
ADA-043	0.05	--	0.2	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.02	0.02	0.003	0.03	--	0.02	0.003	0.05	0.3	0.2	0.1	0.06	0.9	NA	0.6	0.2	0.006	0.1	0.02	0.02	0.02	0.4	NA	0.2	0.1
ADA-044	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.05	0.007	--	0.02	0.01	0.001	0.03	--	0.03	0.005	0.06	0.3	0.1	0.1	0.05	0.9	NA	0.6	0.2	0.007	0.1	0.02	0.01	0.02	0.4	NA	0.2	0.1
ADA-045	0.1	--	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.3	0.08	0.09	0.06	0.8	NA	0.7	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-046	0.05	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.006	--	0.007	0.008	0.002	0.01	--	0.02	0.001	0.05	0.3	0.06	0.07	0.05	0.8	NA	0.6	0.2	0.006	0.1	0.007	0.008	0.02	0.4	NA	0.2	0.1
ADA-047	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.08	0.3	0.1	0.1	0.06	0.8	NA	0.6	0.2	0.009	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-048	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.3	0.1	0.1	0.05	0.9	NA	0.5	0.2	0.005	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-049	0.04	--	0.09	0.1	0.007	0.2	--	0.2	0.02	0.005	--	0.01	0.01	0.0008	0.02	--	0.02	0.002	0.04	0.3	0.09	0.1	0.04	0.9	NA	0.6	0.2	0.005	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-050	0.1	--	0.2	0.1	0.03	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.02	--	0.04	0.005	0.1	0.3	0.2	0.1	0.07	0.8	NA	0.7	0.2	0.01	0.1	0.02	0.01	0.02	0.4	NA	0.2	0.1
ADA-051	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.03	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.003	0.04	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.2	0.005	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-052	0.08	--	0.1	0.1	0.03	0.2	--	0.3	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.08	0.3	0.1	0.1	0.07	0.8	NA	0.7	0.2	0.009	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-053	0.04	--	0.1	0.1	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0009	0.03	--	0.02	0.0007	0.04	0.3	0.1	0.1	0.04	0.9	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-054	0.1	--	0.1	0.09	0.06	0.2	--	0.3	0.05	0.02	--	0.01	0.01	0.006	0.02	--	0.04	0.005	0.1	0.3	0.1	0.09	0.09	0.9	NA	0.7	0.2	0.02	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-055	0.07	--	0.09	0.1	0.02	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.002	0.03	--	0.03	0.004	0.07	0.3	0.09	0.1	0.06	0.9	NA	0.6	0.2	0.008	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-056	0.04	--	0.1	0.1	0.006	0.2	--	0.1	0.006	0.005	--	0.01	0.01	0.0007	0.03	--	0.02	0.0007	0.04	0.3	0.1	0.1	0.04	0.9	NA	0.5	0.1	0.005	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-057	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.004	--	0.02	0.01	0.002	0.02	--	0.02	0.001	0.04	0.3	0.1	0.1	0.05	0.8	NA	0.6	0.2	0.004	0.1	0.02	0.01	0.02	0.4	NA	0.2	0.1
ADA-058	0.03	--	0.1	0.1	0.005	0.2	--	0.1	0.006	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0007	0.03	0.3	0.1	0.1	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-059	0.04	--	0.1	0.1	0.01	0.3	--	0.2	0.01	0.004	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.04	0.3	0.1	0.1	0.05	0.9	NA	0.6	0.1	0.004	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-060	0.1	--	0.2	0.1	0.04	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.03	--	0.04	0.004	0.1	0.3	0.2	0.1	0.07	0.9	NA	0.7	0.2	0.01	0.1	0.02	0.01	0.02	0.4	NA	0.2	0.1
ADA-061	0.04	--	0.2	0.1	0.006	0.3	--	0.2	0.009	0.004	--	0.02	0.02	0.0007	0.04	--	0.02	0.001	0.04	0.3	0.2	0.1	0.04	1	NA	0.6	0.1	0.004	0.1	0.02	0.02	0.01	0.4	NA	0.2	0.1
ADA-062	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.08	0.3	0.1	0.1	0.06	0.8	NA	0.6	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-063	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.002	0.05	0.3	0.1	0.1	0.05	0.9	NA	0.6	0.2	0.006	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-064	0.06	--	0.1	0.1	0.008	0.3	--	0.2	0.009	0.007	--	0.02	0.02	0.001	0.04	--	0.02	0.001	0.06	0.3	0.1	0.1	0.04	0.9	NA	0.6	0.1	0.007	0.1	0.02	0.02	0.01	0.4	NA	0.2	0.1
ADA-065	0.08	--	0.08	0.09	0.04	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.003	0.08	0.3	0.08	0.09	0.08	0.8	NA	0.6	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-066	0.05	--	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	--	0.009	0.01	0.002	0.02	--	0.02	0.002	0.05	0.3	0.08	0.09	0.05	0.8	NA	0.5	0.2	0.005	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
ADA-067	0.04	--	0.1	0.1	0.009	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.001	0.03	--	0.02	0.003	0.04	0.3	0.1	0.1	0.05	0.9	NA	0.5	0.2	0.005	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-070	0.09	--	0.1	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.09	0.3	0.1	0.1	0.06	0.8	NA	0.6	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-071	0.07	--	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.07	0.3	0.08	0.1	0.06	0.8	NA	0.6	0.2	0.008	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-073	0.09	--	0.08	0.09	0.04	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.002	0.09	0.3	0.08	0.09	0.08	0.8	NA	0.6	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-076	0.1	--	0.09	0.1	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.004	0.1	0.3	0.09	0.1	0.07	0.8	NA	0.6	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-078	0.09	--	0.09	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.09	0.3	0.09	0.1	0.06	0.9	NA	0.6	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-079	0.05	--	0.07	0.07	0.02	0.2	--	0.1	0.03	0.006	--	0.009	0.009	0.002	0.02	--	0.02	0.004	0.05	0.3	0.07	0.07	0.05	0.8	NA	0.5	0.2	0.006	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1
ADA-081	0.07	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.07	0.3	0.1	0.1	0.06	0.8	NA	0.6	0.2	0.008	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-082	0.06	--	0.1	0.09	0.02	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.3	0.1	0.09	0.05	0.8	NA	0.6	0.2	0.007	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-084	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.006	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.05	0.3	0.1	0.1	0.05	0.9	NA	0.6	0.2	0.006	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1

Table 5-48. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Northern Pike

	Total HI Across COPCs by Pathway																	Total HI Across Pathways														
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System														
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-085	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.002	0.04	0.3	0.1	0.1	0.05	0.8	NA	0.6	0.2	0.005	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-088	0.09	--	0.2	0.1	0.03	0.3	--	0.2	0.03	0.01	--	0.02	0.02	0.003	0.03	--	0.03	0.003	0.09	0.3	0.2	0.1	0.06	0.9	NA	0.6	0.2	0.01	0.1	0.02	0.02	0.02	0.4	NA	0.2	0.1
ADA-089	0.1	--	0.1	0.1	0.03	0.3	--	0.2	0.02	0.01	--	0.02	0.01	0.003	0.04	--	0.03	0.003	0.1	0.3	0.1	0.1	0.06	1	NA	0.6	0.2	0.01	0.1	0.02	0.01	0.02	0.4	NA	0.2	0.1
ADA-090	0.05	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.006	--	0.01	0.01	0.003	0.03	--	0.02	0.002	0.05	0.3	0.1	0.1	0.06	0.9	NA	0.6	0.2	0.006	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-091	0.09	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.09	0.3	0.1	0.1	0.06	0.9	NA	0.6	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-092	0.09	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.002	0.03	--	0.03	0.003	0.09	0.3	0.1	0.1	0.05	0.9	NA	0.6	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-093	0.07	--	0.09	0.1	0.01	0.3	--	0.2	0.01	0.009	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.07	0.3	0.09	0.1	0.05	0.9	NA	0.6	0.2	0.009	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-094	0.05	--	0.1	0.1	0.01	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.05	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.1	0.006	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-095	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.009	0.009	--	0.02	0.01	0.002	0.03	--	0.02	0.001	0.08	0.3	0.1	0.1	0.05	0.9	NA	0.6	0.1	0.009	0.1	0.02	0.01	0.02	0.4	NA	0.2	0.1
ADA-096	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.03	--	0.02	0.003	0.07	0.3	0.09	0.09	0.06	0.9	NA	0.6	0.2	0.009	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-097	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.03	--	0.03	0.005	0.1	0.3	0.1	0.1	0.08	0.9	NA	0.7	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-099	0.1	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.03	--	0.03	0.002	0.1	0.3	0.1	0.1	0.06	0.9	NA	0.6	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-101	0.06	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.06	0.3	0.1	0.1	0.07	0.8	NA	0.6	0.2	0.007	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-102	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.007	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.0009	0.05	0.3	0.1	0.1	0.05	0.8	NA	0.6	0.1	0.006	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-103	0.06	--	0.2	0.1	0.02	0.3	--	0.2	0.01	0.007	--	0.02	0.02	0.002	0.04	--	0.02	0.002	0.06	0.3	0.2	0.1	0.05	0.9	NA	0.6	0.2	0.007	0.1	0.02	0.02	0.02	0.4	NA	0.2	0.1
ADA-104	0.04	--	0.07	0.09	0.008	0.2	--	0.1	0.007	0.004	--	0.009	0.01	0.001	0.02	--	0.01	0.0008	0.04	0.3	0.07	0.09	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
ADA-105	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.07	0.3	0.1	0.1	0.06	0.8	NA	0.6	0.2	0.008	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-106	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.008	0.004	--	0.01	0.01	0.001	0.02	--	0.01	0.001	0.04	0.3	0.1	0.1	0.05	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-107	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.007	--	0.02	0.01	0.001	0.03	--	0.02	0.002	0.06	0.3	0.1	0.1	0.05	0.9	NA	0.6	0.2	0.007	0.1	0.02	0.01	0.01	0.4	NA	0.2	0.1
ADA-108	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.3	0.1	0.1	0.05	0.8	NA	0.6	0.2	0.006	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-109	0.08	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.08	0.3	0.09	0.09	0.07	0.8	NA	0.6	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-110	0.06	--	0.08	0.08	0.03	0.1	--	0.2	0.02	0.007	--	0.009	0.01	0.003	0.02	--	0.02	0.002	0.06	0.3	0.08	0.08	0.07	0.8	NA	0.6	0.2	0.007	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
ADA-111	0.05	--	0.1	0.1	0.009	0.2	--	0.2	0.009	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.05	0.3	0.1	0.1	0.05	0.9	NA	0.6	0.1	0.006	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-112	0.05	--	0.1	0.1	0.008	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.05	0.3	0.1	0.1	0.04	0.9	NA	0.5	0.1	0.006	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-113	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.06	0.3	0.1	0.1	0.05	0.9	NA	0.6	0.1	0.006	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-114	0.07	--	0.09	0.1	0.007	0.3	--	0.2	0.007	0.008	--	0.01	0.01	0.0008	0.03	--	0.02	0.0009	0.07	0.3	0.09	0.1	0.04	0.9	NA	0.6	0.1	0.008	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-115	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.008	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.06	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.1	0.007	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
ADA-116	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.006	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0007	0.06	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.1	0.007	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
ADA-117	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.07	0.3	0.09	0.09	0.05	0.9	NA	0.6	0.2	0.008	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-118	0.06	--	0.1	0.1	0.01	0.3	--	0.2	0.02	0.007	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.06	0.3	0.1	0.1	0.05	0.9	NA	0.6	0.2	0.007	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-119	0.06	--	0.1	0.09	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.3	0.1	0.09	0.05	0.8	NA	0.6	0.2	0.007	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-121	0.08	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	--	0.01	0.01	0.002	0.03	--	0.03	0.002	0.08	0.3	0.1	0.1	0.06	0.9	NA	0.6	0.2	0.009	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-122	0.04	--	0.08	0.09	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.04	0.3	0.08	0.09	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-124	0.05	--	0.05	0.06	0.02	0.1	--	0.1	0.009	0.005	--	0.005	0.007	0.003	0.01	--	0.02	0.001	0.05	0.3	0.05	0.06	0.06	0.7	NA	0.5	0.1	0.005	0.1	0.005	0.007	0.02	0.4	NA	0.2	0.1
ADA-125	0.07	--	0.05	0.06	0.02	0.1	--	0.2	0.007	0.008	--	0.006	0.007	0.002	0.01	--	0.02	0.0008	0.07	0.3	0.05	0.06	0.05	0.7	NA	0.6	0.1	0.008	0.1	0.006	0.007	0.02	0.4	NA	0.2	0.1
ADA-126	0.1	--	0.06	0.07	0.03	0.1	--	0.3	0.03	0.01	--	0.007	0.008	0.003	0.02	--	0.03	0.003	0.1	0.3	0.06	0.07	0.06	0.8	NA	0.6	0.2	0.01	0.1	0.007	0.008	0.02	0.4	NA	0.2	0.1
ADA-127	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.02	0.01	0.002	0.02	--	0.02	0.003	0.08	0.3	0.1	0.1	0.06	0.8	NA	0.6	0.2	0.01	0.1	0.02	0.01	0.02	0.4	NA	0.2	0.1
ADA-128	0.06	--	0.05	0.05	0.04	0.09	--	0.2	0.03	0.007	--	0.005	0.006	0.004	0.01	--	0.02	0.003	0.06	0.3	0.05	0.05	0.07	0.7	NA	0.6	0.2	0.007	0.1	0.005	0.006	0.02	0.4	NA	0.2	0.1
ADA-131	0.09	--	0.07	0.07	0.04	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.005	0.02	--	0.03	0.003	0.09	0.3	0.07	0.07	0.08	0.8	NA	0.7	0.2	0.01	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
ADA-132	0.04	--	0.06	0.06	0.01	0.07	--	0.2	0.008	0.005	--	0.007	0.008	0.002	0.008	--	0.02	0.0009	0.04	0.3	0.06	0.06	0.05	0.7	NA	0.6	0.1	0.005	0.1	0.007	0.008	0.02	0.4	NA	0.2	0.1
ADA-133	0.08	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.08	0.3	0.08	0.08	0.06	0.8	NA	0.6	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-135	0.03	--	0.07	0.07	0.01	0.08	--	0.1	0.01	0.004	--	0.008	0.009	0.001	0.01	--	0.01	0.001	0.03	0.3	0.07	0.07	0.05	0.7	NA	0.5	0.1	0.004	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
ADA-136	0.07	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.07	0.3	0.09	0.09	0.07	0.8	NA	0.6	0.2	0.008	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-139	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.07	0.3	0.1	0.1	0.06	0.8	NA	0.6	0.2	0.009	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-140	0.1	--	0.07	0.09	0.04	0.07	--	0.3	0.03	0.01	--	0.008	0.01	0.005	0.009	--	0.04	0.003	0.1	0.3	0.07	0.09	0.08	0.7	NA	0.7	0.2	0.01	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
ADA-141	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.3	0.1	0.1	0.05	0.8	NA	0.6	0.1	0.008	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-142	0.1	--	0.07	0.08	0.06	0.2	--	0.3	0.04	0.01	--	0.008	0.01	0.007	0.02	--	0.03	0.005	0.1	0.3	0.07	0.08	0.09	0.8	NA	0.7	0.2	0.01	0.1	0.008	0.01	0.02	0.4	NA	0.2	0.1
ADA-143	0.07	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.008	--	0.009	0.01	0.004	0.02	--	0.02	0.002	0.07	0.3	0.08	0.08	0.07	0.8	NA	0.6	0.2	0.008	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
ADA-144	0.2	--	0.07	0.08	0.1	0.2	--	0.5	0.06	0.02	--	0.008	0.01	0.01	0.02	--	0.05	0.008	0.2	0.3	0.07	0.08	0.1	0.9	NA	0.9	0.2	0.02	0.1	0.008	0.01	0.03	0.4	NA	0.2	0.1
ADA-145	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.08	0.3	0.1	0.1	0.07	0.8	NA	0.6	0.2	0.009	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-146	0.09	--	0.07	0.08	0.03	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.004	0.02	--	0.03	0.003	0.09	0.3	0.07	0.08	0.07	0.8	NA	0.7	0.2	0.01	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1
ADA-147	0.1	--	0.05	0.07	0.1	0.1	--	0.3	0.04	0.02	--	0.006	0.009	0.01	0.01	--	0.04	0.005	0.1	0.3	0.05	0.07	0.1	0.8	NA	0.7	0.2	0.02	0.1	0.006	0.009	0.03	0.4	NA	0.2	0.1
ADA-148	0.08	--	0.06	0.07	0.03	0.09	--	0.2	0.02	0.009	--	0.007	0.009	0.003	0.01	--	0.03	0.002	0.08	0.3	0.06	0.07	0.07	0.7	NA	0.6	0.2	0.009	0.1	0.007	0.009	0.02	0.4	NA	0.2	0.1
ADA-150	0.1	--	0.07	0.07	0.06	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.007	0.02	--	0.04	0.004	0.1	0.3	0.07	0.07	0.09	0.8	NA	0.7	0.2	0.01	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
ADA-151	0.08	--	0.06	0.08	0.04	0.07	--	0.3	0.02	0.01	--	0.007	0.009	0.005	0.008	--	0.03	0.002	0.08	0.3	0.06	0.08	0.08	0.7	NA	0.7	0.2	0.01	0.1	0.007	0.009	0.02	0.4	NA	0.2	0.1
ADA-152	0.1	--	0.1	0.1	0.02	0.2	--	0.3	0.02	0.02	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.1	0.3	0.1	0.1	0.06	0.8	NA	0.7	0.2	0.02	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-153	0.1	--	0.1	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.3	0.1	0.09	0.07	0.8	NA	0.7	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-154	0.1	--	0.1	0.09	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.1	0.3	0.1	0.09	0.07	0.8	NA	0.6	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1
ADA-155	0.09	--	0.05	0.07	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.005	0.02	--	0.03	0.002	0.09	0.3	0.05	0.07	0.08	0.8	NA	0.6	0.2	0.01	0.1	0.006	0.008	0.02	0.4	NA	0.2	0.1
ADA-156	0.06	--	0.07	0.08	0.04	0.1	--	0.2	0.02	0.007	--	0.008	0.009	0.004	0.02	--	0.02	0.002	0.06	0.3	0.07	0.08	0.07	0.8	NA	0.6	0.2	0.007	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
ADA-158	0.09	--	0.06	0.07	0.05	0.09	--	0.3	0.02	0.01	--	0.007	0.009	0.006	0.01	--	0.03	0.003	0.09	0.3	0.06	0.07	0.08	0.7	NA	0.7	0.2	0.01	0.1	0.007	0.009	0.02	0.4	NA	0.2	0.1
ADA-159	0.09	--	0.1	0.09	0.06	0.2	--	0.3	0.04	0.01	--	0.01	0.01	0.007	0.02	--	0.03	0.004	0.09	0.3	0.1	0.09	0.09	0.8	NA	0.7	0.2	0.01	0.1	0.01	0.01	0.02	0.4	NA	0.2	0.1

Table 5-48. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Northern Pike

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-160	0.1	--	0.05	0.06	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.004	0.01	--	0.03	0.003	0.1	0.3	0.05	0.06	0.07	0.8	NA	0.6	0.2	0.01	0.1	0.006	0.008	0.02	0.4	NA	0.2	0.1
ADA-161	0.07	--	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	--	0.008	0.009	0.004	0.02	--	0.03	0.003	0.07	0.3	0.07	0.07	0.07	0.8	NA	0.6	0.2	0.008	0.1	0.008	0.009	0.02	0.4	NA	0.2	0.1
ADA-162	0.1	--	0.06	0.08	0.1	0.1	--	0.4	0.06	0.02	--	0.007	0.009	0.01	0.02	--	0.05	0.007	0.1	0.3	0.06	0.08	0.2	0.8	NA	0.8	0.2	0.02	0.1	0.007	0.009	0.03	0.4	NA	0.2	0.1
ADA-164	0.1	--	0.08	0.08	0.05	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.006	0.02	--	0.03	0.004	0.1	0.3	0.08	0.08	0.09	0.8	NA	0.7	0.2	0.01	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1
ADA-165	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.04	0.01	--	0.009	0.009	0.005	0.02	--	0.04	0.005	0.1	0.3	0.07	0.08	0.08	0.8	NA	0.7	0.2	0.01	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1
ADA-168	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.03	0.01	--	0.009	0.01	0.005	0.02	--	0.03	0.003	0.1	0.3	0.07	0.08	0.08	0.8	NA	0.7	0.2	0.01	0.1	0.009	0.01	0.02	0.4	NA	0.2	0.1
ADA-169	0.03	--	0.09	0.1	0.004	0.2	--	0.09	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.03	0.3	0.09	0.1	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-170	0.05	--	0.09	0.1	0.009	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.05	0.3	0.09	0.1	0.05	0.8	NA	0.5	0.1	0.006	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-171	0.04	--	0.08	0.09	0.009	0.2	--	0.2	0.008	0.005	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.04	0.3	0.08	0.09	0.05	0.8	NA	0.6	0.1	0.005	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
ADA-172	0.02	--	0.07	0.07	0.005	0.2	--	0.08	0.002	0.003	--	0.008	0.009	0.0006	0.02	--	0.009	0.0002	0.02	0.3	0.07	0.07	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
ADA-173	0.04	--	0.07	0.08	0.009	0.2	--	0.1	0.005	0.005	--	0.008	0.009	0.001	0.02	--	0.01	0.0005	0.04	0.3	0.07	0.08	0.05	0.8	NA	0.5	0.1	0.005	0.1	0.008	0.009	0.01	0.4	NA	0.2	0.1
ADA-174	0.04	--	0.06	0.07	0.01	0.2	--	0.1	0.008	0.005	--	0.007	0.008	0.001	0.02	--	0.01	0.0009	0.04	0.3	0.06	0.07	0.05	0.8	NA	0.5	0.1	0.005	0.1	0.007	0.008	0.01	0.4	NA	0.2	0.1
ADA-175	0.03	--	0.1	0.09	0.005	0.2	--	0.1	0.003	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0003	0.03	0.3	0.1	0.09	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-176	0.03	--	0.2	0.1	0.005	0.2	--	0.2	0.003	0.003	--	0.02	0.02	0.0006	0.03	--	0.02	0.0004	0.03	0.3	0.2	0.1	0.04	0.9	NA	0.6	0.1	0.003	0.1	0.02	0.02	0.01	0.4	NA	0.2	0.1
ADA-177	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.04	0.3	0.1	0.1	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-178	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.04	0.3	0.1	0.1	0.04	0.8	NA	0.5	0.1	0.004	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-179	0.03	--	0.06	0.08	0.008	0.2	--	0.1	0.005	0.003	--	0.007	0.01	0.0009	0.02	--	0.01	0.0005	0.03	0.3	0.06	0.08	0.04	0.8	NA	0.5	0.1	0.003	0.1	0.007	0.01	0.01	0.4	NA	0.2	0.1
ADA-180	0.03	--	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	--	0.009	0.01	0.001	0.02	--	0.02	0.001	0.03	0.3	0.07	0.09	0.05	0.8	NA	0.5	0.2	0.004	0.1	0.009	0.01	0.01	0.4	NA	0.2	0.1
ADA-181	0.03	--	0.06	0.08	0.01	0.2	--	0.2	0.01	0.004	--	0.007	0.009	0.001	0.02	--	0.02	0.001	0.03	0.3	0.06	0.08	0.05	0.8	NA	0.6	0.1	0.004	0.1	0.007	0.009	0.01	0.4	NA	0.2	0.1
ADA-182	0.03	--	0.09	0.09	0.009	0.1	--	0.1	0.01	0.003	--	0.01	0.01	0.001	0.02	--	0.01	0.002	0.03	0.3	0.09	0.09	0.05	0.8	NA	0.5	0.2	0.003	0.1	0.01	0.01	0.01	0.4	NA	0.2	0.1
ADA-183	0.05	--	0.08	0.07	0.02	0.1	--	0.2	0.04	0.006	--	0.009	0.009	0.003	0.01	--	0.02	0.005	0.05	0.3	0.08	0.07	0.06	0.8	NA	0.6	0.2	0.006	0.1	0.009	0.009	0.02	0.4	NA	0.2	0.1
ADA-184	0.03	--	0.08	0.08	0.009	0.2	--	0.1	0.03	0.004	--	0.01	0.009	0.001	0.02	--	0.01	0.003	0.03	0.3	0.08	0.08	0.05	0.8	NA	0.5	0.2	0.004	0.1	0.01	0.009	0.01	0.4	NA	0.2	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-49. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Rainbow Trout

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult							
Indoor Air	--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																
Outdoor Air	--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02	**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**									**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Rainbow Trout)	0.02	0.2	0.02	0.009	0.03	0.3	0.4	0.7	--	0.009	0.09	0.008	0.003	0.01	0.1	0.1	0.3	--																
Upland Soil/Dust[a]	**Number of ADAs that exceed benchmark[c] for Soil/Dust:**									**Number of ADAs that exceed benchmark[c] for Soil/Dust:**																									
ADA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADA-001	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.006	--	0.01	0.01	0.003	0.02	--	0.02	0.003	0.08	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-002	0.05	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-004	0.06	--	0.07	0.08	0.02	0.1	--	0.2	0.02	0.007	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.08	0.2	0.09	0.09	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-005	0.07	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.009	--	0.01	0.01	0.003	0.01	--	0.03	0.001	0.1	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.1	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-006	0.07	--	0.08	0.09	0.03	0.1	--	0.2	0.02	0.008	--	0.009	0.01	0.003	0.02	--	0.02	0.003	0.09	0.2	0.1	0.09	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-008	0.08	--	0.08	0.1	0.03	0.1	--	0.2	0.02	0.01	--	0.009	0.01	0.004	0.02	--	0.03	0.002	0.1	0.2	0.1	0.1	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-010	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.04	--	0.04	0.005	0.1	0.2	0.1	0.1	0.07	0.9	0.4	1	0.2	0.02	0.09	0.02	0.02	0.02	0.4	0.1	0.3	0.1
ADA-015	0.04	--	0.05	0.06	0.01	0.1	--	0.1	0.01	0.005	--	0.006	0.008	0.002	0.01	--	0.02	0.001	0.07	0.2	0.07	0.07	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
ADA-016	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.02	0.007	--	0.007	0.008	0.002	0.02	--	0.02	0.002	0.08	0.2	0.08	0.08	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
ADA-017	0.08	--	0.06	0.08	0.03	0.1	--	0.2	0.02	0.01	--	0.008	0.009	0.004	0.02	--	0.03	0.002	0.1	0.2	0.09	0.09	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-018	0.05	--	0.06	0.08	0.04	0.1	--	0.2	0.03	0.006	--	0.007	0.009	0.005	0.02	--	0.03	0.003	0.07	0.2	0.08	0.09	0.07	0.7	0.4	1	0.2	0.01	0.09	0.01	0.01	0.02	0.4	0.1	0.3	0.1
ADA-019	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.02	0.001	0.02	--	0.02	0.001	0.09	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-020	0.04	--	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.001	0.07	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-021	0.1	--	0.2	0.1	0.02	0.2	--	0.2	0.01	0.01	--	0.03	0.02	0.002	0.02	--	0.02	0.001	0.1	0.2	0.2	0.2	0.04	0.7	0.4	0.9	0.1	0.02	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
ADA-023	0.07	--	0.1	0.09	0.02	0.1	--	0.2	0.03	0.009	--	0.01	0.01	0.002	0.01	--	0.03	0.003	0.1	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-024	0.1	--	0.06	0.08	0.04	0.2	--	0.3	0.03	0.01	--	0.007	0.009	0.005	0.02	--	0.03	0.004	0.1	0.2	0.08	0.09	0.07	0.7	0.4	1	0.2	0.02	0.09	0.01	0.01	0.02	0.4	0.1	0.3	0.1
ADA-025	0.07	--	0.06	0.07	0.02	0.2	--	0.2	0.03	0.008	--	0.007	0.008	0.002	0.02	--	0.02	0.003	0.09	0.2	0.08	0.08	0.04	0.7	0.4	0.9	0.2	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
ADA-026	0.04	--	0.07	0.08	0.01	0.1	--	0.1	0.02	0.005	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.06	0.2	0.09	0.09	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-028	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.007	--	0.007	0.008	0.002	0.01	--	0.02	0.002	0.08	0.2	0.08	0.08	0.04	0.7	0.4	0.9	0.2	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
ADA-033	0.05	--	0.06	0.07	0.007	0.2	--	0.2	0.01	0.005	--	0.007	0.009	0.0008	0.02	--	0.02	0.002	0.07	0.2	0.08	0.08	0.03	0.7	0.4	0.9	0.2	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
ADA-034	0.04	--	0.08	0.1	0.008	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-035	0.06	--	0.06	0.08	0.01	0.2	--	0.2	0.02	0.007	--	0.007	0.009	0.002	0.02	--	0.02	0.002	0.08	0.2	0.08	0.09	0.04	0.7	0.4	0.9	0.2	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
ADA-039	0.03	--	0.07	0.07	0.005	0.2	--	0.1	0.01	0.003	--	0.008	0.009	0.0006	0.02	--	0.01	0.002	0.05	0.2	0.09	0.08	0.03	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-042	0.04	--	0.07	0.09	0.01	0.1	--	0.1	0.005	0.005	--	0.008	0.01	0.001	0.01	--	0.01	0.0006	0.06	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-043	0.05	--	0.2	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.02	0.02	0.003	0.03	--	0.02	0.003	0.08	0.2	0.2	0.1	0.05	0.8	0.4	0.9	0.2	0.02	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
ADA-044	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.05	0.007	--	0.02	0.01	0.001	0.03	--	0.03	0.005	0.09	0.2	0.2	0.1	0.04	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-045	0.1	--	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.2	0.1	0.1	0.06	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-046	0.05	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.006	--	0.007	0.008	0.002	0.01	--	0.02	0.001	0.08	0.2	0.08	0.08	0.04	0.7	0.4	0.9	0.2	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
ADA-047	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.2	0.1	0.1	0.06	0.7	0.4	1	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-048	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.2	0.1	0.1	0.04	0.8	0.4	0.8	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-049	0.04	--	0.09	0.1	0.007	0.2	--	0.2	0.02	0.005	--	0.01	0.01	0.0008	0.02	--	0.02	0.002	0.07	0.2	0.1	0.1	0.03	0.8	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-050	0.1	--	0.2	0.1	0.03	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.02	--	0.04	0.005	0.1	0.2	0.2	0.1	0.06	0.7	0.4	1	0.2	0.02	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
ADA-051	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.03	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.003	0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-052	0.08	--	0.1	0.1	0.03	0.2	--	0.3	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.2	0.1	0.1	0.06	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-053	0.04	--	0.1	0.1	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0009	0.03	--	0.02	0.0007	0.06	0.2	0.1	0.1	0.04	0.8	0.4	0.9	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-054	0.1	--	0.1	0.09	0.06	0.2	--	0.3	0.05	0.02	--	0.01	0.01	0.006	0.02	--	0.04	0.005	0.2	0.2	0.1	0.1	0.08	0.8	0.4	1	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
ADA-055	0.07	--	0.09	0.1	0.02	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.002	0.03	--	0.03	0.004	0.09	0.2	0.1	0.1	0.05	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-056	0.04	--	0.1	0.1	0.006	0.2	--	0.1	0.006	0.005	--	0.01	0.01	0.0007	0.03	--	0.02	0.0007	0.06	0.2	0.1	0.1	0.03	0.8	0.4	0.9	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-057	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.004	--	0.02	0.01	0.002	0.02	--	0.02	0.001	0.06	0.2	0.2	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-058	0.03	--	0.1	0.1	0.005	0.2	--	0.1	0.006	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0007	0.05	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-059	0.04	--	0.1	0.1	0.01	0.3	--	0.2	0.01	0.004	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.06	0.2	0.1	0.1	0.04	0.8	0.4	0.9	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-060	0.1	--	0.2	0.1	0.04	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.03	--	0.04	0.004	0.2	0.2	0.2	0.1	0.06	0.8	0.4	1	0.2	0.02	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
ADA-061	0.04	--	0.2	0.1	0.006	0.3	--	0.2	0.009	0.004	--	0.02	0.02	0.0007	0.04	--	0.02	0.001	0.06	0.2	0.2	0.1	0.03	0.9	0.4	0.9	0.1	0.01	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
ADA-062	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.2	0.1	0.1	0.05	0.7	0.4	1	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-063	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.002	0.07	0.2	0.1	0.1	0.04	0.8	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-064	0.06	--	0.1	0.1	0.008	0.3	--	0.2	0.009	0.007	--	0.02	0.02	0.001	0.04	--	0.02	0.001	0.08	0.2	0.2	0.1	0.04	0.8	0.4	0.9	0.1	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-065	0.08	--	0.08	0.09	0.04	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.003	0.1	0.2	0.1	0.1	0.07	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
ADA-066	0.05	--	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	--	0.009	0.01	0.002	0.02	--	0.02	0.002	0.07	0.2	0.1	0.09	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-067	0.04	--	0.1	0.1	0.009	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.001	0.03	--	0.02	0.003	0.07	0.2	0.1	0.1	0.04	0.8	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-070	0.09	--	0.1	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.1	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-071	0.07	--	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.09	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-073	0.09	--	0.08	0.09	0.04	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.002	0.1	0.2	0.1	0.1	0.07	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
ADA-076	0.1	--	0.09	0.1	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.004	0.1	0.2	0.1	0.1	0.06	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-078	0.09	--	0.09	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.1	0.2	0.1	0.1	0.06	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-079	0.05	--	0.07	0.07	0.02	0.2	--	0.1	0.03	0.006	--	0.009	0.009	0.002	0.02	--	0.02	0.004	0.07	0.2	0.09	0.08	0.05	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-081	0.07	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.09	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-082	0.06	--	0.1	0.09	0.02	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.08	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-084	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.006	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.08	0.2	0.1	0.1	0.04	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1

Table 5-49. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Rainbow Trout

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-085	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.002	0.07	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-088	0.09	--	0.2	0.1	0.03	0.3	--	0.2	0.03	0.01	--	0.02	0.02	0.003	0.03	--	0.03	0.003	0.1	0.2	0.2	0.1	0.05	0.8	0.4	1	0.2	0.02	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
ADA-089	0.1	--	0.1	0.1	0.03	0.3	--	0.2	0.02	0.01	--	0.02	0.01	0.003	0.04	--	0.03	0.003	0.1	0.2	0.2	0.1	0.06	0.9	0.4	1	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-090	0.05	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.006	--	0.01	0.01	0.003	0.03	--	0.02	0.002	0.08	0.2	0.1	0.1	0.05	0.8	0.4	0.9	0.2	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-091	0.09	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.2	0.1	0.1	0.05	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-092	0.09	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.002	0.03	--	0.03	0.003	0.1	0.2	0.1	0.1	0.04	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-093	0.07	--	0.09	0.1	0.01	0.3	--	0.2	0.01	0.009	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.1	0.2	0.1	0.1	0.04	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-094	0.05	--	0.1	0.1	0.01	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.08	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-095	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.009	0.009	--	0.02	0.01	0.002	0.03	--	0.02	0.001	0.1	0.2	0.2	0.1	0.04	0.8	0.4	0.9	0.1	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-096	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.03	--	0.02	0.003	0.1	0.2	0.1	0.1	0.05	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-097	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.03	--	0.03	0.005	0.1	0.2	0.1	0.1	0.07	0.8	0.4	1	0.2	0.02	0.09	0.02	0.02	0.02	0.4	0.1	0.3	0.1
ADA-099	0.1	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.03	--	0.03	0.002	0.1	0.2	0.1	0.1	0.05	0.8	0.4	1	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-101	0.06	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.09	0.2	0.1	0.1	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-102	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.007	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.0009	0.08	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-103	0.06	--	0.2	0.1	0.02	0.3	--	0.2	0.01	0.007	--	0.02	0.02	0.002	0.04	--	0.02	0.002	0.08	0.2	0.2	0.1	0.04	0.9	0.4	0.9	0.2	0.02	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
ADA-104	0.04	--	0.07	0.09	0.008	0.2	--	0.1	0.007	0.004	--	0.009	0.01	0.001	0.02	--	0.01	0.0008	0.06	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-105	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.09	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-106	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.008	0.004	--	0.01	0.01	0.001	0.02	--	0.01	0.001	0.06	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-107	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.007	--	0.02	0.01	0.001	0.03	--	0.02	0.002	0.08	0.2	0.2	0.1	0.04	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-108	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.08	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-109	0.08	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.1	0.2	0.1	0.1	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-110	0.06	--	0.08	0.08	0.03	0.1	--	0.2	0.02	0.007	--	0.009	0.01	0.003	0.02	--	0.02	0.002	0.09	0.2	0.1	0.09	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-111	0.05	--	0.1	0.1	0.009	0.2	--	0.2	0.009	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.07	0.2	0.1	0.1	0.04	0.8	0.4	0.9	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-112	0.05	--	0.1	0.1	0.008	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.08	0.2	0.1	0.1	0.04	0.8	0.4	0.9	0.1	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-113	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.08	0.2	0.1	0.1	0.04	0.8	0.4	0.9	0.1	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-114	0.07	--	0.09	0.1	0.007	0.3	--	0.2	0.007	0.008	--	0.01	0.01	0.0008	0.03	--	0.02	0.0009	0.09	0.2	0.1	0.1	0.03	0.8	0.4	0.9	0.1	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-115	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.008	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.08	0.2	0.09	0.09	0.04	0.7	0.4	0.9	0.1	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-116	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.006	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0007	0.08	0.2	0.09	0.09	0.04	0.7	0.4	0.9	0.1	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-117	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.09	0.2	0.1	0.1	0.04	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-118	0.06	--	0.1	0.1	0.01	0.3	--	0.2	0.02	0.007	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.08	0.2	0.1	0.1	0.04	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-119	0.06	--	0.1	0.09	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.08	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-121	0.08	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	--	0.01	0.01	0.002	0.03	--	0.03	0.002	0.1	0.2	0.1	0.1	0.05	0.8	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-122	0.04	--	0.08	0.09	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.06	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-124	0.05	--	0.05	0.06	0.02	0.1	--	0.1	0.009	0.005	--	0.005	0.007	0.003	0.01	--	0.02	0.001	0.07	0.2	0.07	0.07	0.05	0.6	0.4	0.9	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
ADA-125	0.07	--	0.05	0.06	0.02	0.1	--	0.2	0.007	0.008	--	0.006	0.007	0.002	0.01	--	0.02	0.0008	0.09	0.2	0.07	0.07	0.04	0.6	0.4	0.9	0.1	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
ADA-126	0.1	--	0.06	0.07	0.03	0.1	--	0.3	0.03	0.01	--	0.007	0.008	0.003	0.02	--	0.03	0.003	0.1	0.2	0.08	0.08	0.06	0.7	0.4	1	0.2	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
ADA-127	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.02	0.01	0.002	0.02	--	0.02	0.003	0.1	0.2	0.2	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-128	0.06	--	0.05	0.05	0.04	0.09	--	0.2	0.03	0.007	--	0.005	0.006	0.004	0.01	--	0.02	0.003	0.09	0.2	0.07	0.06	0.06	0.6	0.4	0.9	0.2	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
ADA-131	0.09	--	0.07	0.07	0.04	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.005	0.02	--	0.03	0.003	0.1	0.2	0.09	0.08	0.07	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-132	0.04	--	0.06	0.06	0.01	0.07	--	0.2	0.008	0.005	--	0.007	0.008	0.002	0.008	--	0.02	0.0009	0.06	0.2	0.08	0.07	0.04	0.6	0.4	0.9	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
ADA-133	0.08	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.2	0.1	0.09	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-135	0.03	--	0.07	0.07	0.01	0.08	--	0.1	0.01	0.004	--	0.008	0.009	0.001	0.01	--	0.01	0.001	0.06	0.2	0.09	0.08	0.04	0.6	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-136	0.07	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.09	0.2	0.1	0.09	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-139	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.1	0.2	0.1	0.1	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-140	0.1	--	0.07	0.09	0.04	0.07	--	0.3	0.03	0.01	--	0.008	0.01	0.005	0.009	--	0.04	0.003	0.1	0.2	0.09	0.1	0.07	0.6	0.4	1	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
ADA-141	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.09	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.02	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-142	0.1	--	0.07	0.08	0.06	0.2	--	0.3	0.04	0.01	--	0.008	0.01	0.007	0.02	--	0.03	0.005	0.1	0.2	0.09	0.09	0.08	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
ADA-143	0.07	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.008	--	0.009	0.01	0.004	0.02	--	0.02	0.002	0.09	0.2	0.1	0.09	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-144	0.2	--	0.07	0.08	0.1	0.2	--	0.5	0.06	0.02	--	0.008	0.01	0.01	0.02	--	0.05	0.008	0.2	0.2	0.09	0.09	0.1	0.8	0.4	1	0.2	0.03	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
ADA-145	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.1	0.2	0.1	0.1	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-146	0.09	--	0.07	0.08	0.03	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.004	0.02	--	0.03	0.003	0.1	0.2	0.09	0.09	0.06	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-147	0.1	--	0.05	0.07	0.1	0.1	--	0.3	0.04	0.02	--	0.006	0.009	0.01	0.01	--	0.04	0.005	0.2	0.2	0.07	0.08	0.1	0.7	0.4	1	0.2	0.03	0.09	0.01	0.01	0.02	0.4	0.1	0.3	0.1
ADA-148	0.08	--	0.06	0.07	0.03	0.09	--	0.2	0.02	0.009	--	0.007	0.009	0.003	0.01	--	0.03	0.002	0.1	0.2	0.08	0.08	0.06	0.6	0.4	1	0.2	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
ADA-150	0.1	--	0.07	0.07	0.06	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.007	0.02	--	0.04	0.004	0.2	0.2	0.09	0.08	0.08	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
ADA-151	0.08	--	0.06	0.08	0.04	0.07	--	0.3	0.02	0.01	--	0.007	0.009	0.005	0.008	--	0.03	0.002	0.1	0.2	0.08	0.09	0.07	0.6	0.4	1	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
ADA-152	0.1	--	0.1	0.1	0.02	0.2	--	0.3	0.02	0.02	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.2	0.2	0.1	0.1	0.05	0.7	0.4	1	0.2	0.03	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-153	0.1	--	0.1	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.2	0.1	0.1	0.06	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-154	0.1	--	0.1	0.09	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.1	0.2	0.1	0.1	0.06	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-155	0.09	--	0.05	0.07	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.005	0.02	--	0.03	0.002	0.1	0.2	0.08	0.08	0.07	0.7	0.4	0.9	0.2	0.02	0.09	0.01	0.01	0.02	0.4	0.1	0.3	0.1
ADA-156	0.06	--	0.07	0.08	0.04	0.1	--	0.2	0.02	0.007	--	0.008	0.009	0.004	0.02	--	0.02	0.002	0.09	0.2	0.09	0.09	0.07	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-158	0.09	--	0.06	0.07	0.05	0.09	--	0.3	0.02	0.01	--	0.007	0.009	0.006	0.01	--	0.03	0.003	0.1	0.2	0.08	0.08	0.08	0.6	0.4	1	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
ADA-159	0.09	--	0.1	0.09	0.06	0.2	--	0.3	0.04	0.01	--	0.01	0.01	0.007	0.02	--	0.03	0.004	0.1	0.2	0.1	0.1	0.09	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1

Table 5-49. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Rainbow Trout

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-160	0.1	--	0.05	0.06	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.004	0.01	--	0.03	0.003	0.1	0.2	0.07	0.07	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
ADA-161	0.07	--	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	--	0.008	0.009	0.004	0.02	--	0.03	0.003	0.09	0.2	0.09	0.08	0.06	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-162	0.1	--	0.06	0.08	0.1	0.1	--	0.4	0.06	0.02	--	0.007	0.009	0.01	0.02	--	0.05	0.007	0.2	0.2	0.08	0.09	0.1	0.7	0.4	1	0.2	0.02	0.09	0.01	0.01	0.02	0.4	0.1	0.3	0.1
ADA-164	0.1	--	0.08	0.08	0.05	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.006	0.02	--	0.03	0.004	0.1	0.2	0.1	0.09	0.08	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
ADA-165	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.04	0.01	--	0.009	0.009	0.005	0.02	--	0.04	0.005	0.1	0.2	0.1	0.09	0.07	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.02	0.4	0.1	0.3	0.1
ADA-168	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.03	0.01	--	0.009	0.01	0.005	0.02	--	0.03	0.003	0.1	0.2	0.09	0.09	0.07	0.7	0.4	1	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-169	0.03	--	0.09	0.1	0.004	0.2	--	0.09	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.06	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-170	0.05	--	0.09	0.1	0.009	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.07	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-171	0.04	--	0.08	0.09	0.009	0.2	--	0.2	0.008	0.005	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.07	0.2	0.1	0.1	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-172	0.02	--	0.07	0.07	0.005	0.2	--	0.08	0.002	0.003	--	0.008	0.009	0.0006	0.02	--	0.009	0.0002	0.05	0.2	0.09	0.08	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-173	0.04	--	0.07	0.08	0.009	0.2	--	0.1	0.005	0.005	--	0.008	0.009	0.001	0.02	--	0.01	0.0005	0.06	0.2	0.09	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-174	0.04	--	0.06	0.07	0.01	0.2	--	0.1	0.008	0.005	--	0.007	0.008	0.001	0.02	--	0.01	0.0009	0.06	0.2	0.08	0.08	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
ADA-175	0.03	--	0.1	0.09	0.005	0.2	--	0.1	0.003	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0003	0.05	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-176	0.03	--	0.2	0.1	0.005	0.2	--	0.2	0.003	0.003	--	0.02	0.02	0.0006	0.03	--	0.02	0.0004	0.05	0.2	0.2	0.1	0.03	0.8	0.4	0.9	0.1	0.01	0.09	0.03	0.02	0.01	0.4	0.1	0.3	0.1
ADA-177	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.06	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-178	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.06	0.2	0.1	0.1	0.03	0.7	0.4	0.8	0.1	0.01	0.09	0.02	0.02	0.01	0.4	0.1	0.3	0.1
ADA-179	0.03	--	0.06	0.08	0.008	0.2	--	0.1	0.005	0.003	--	0.007	0.01	0.0009	0.02	--	0.01	0.0005	0.05	0.2	0.08	0.09	0.04	0.7	0.4	0.8	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
ADA-180	0.03	--	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	--	0.009	0.01	0.001	0.02	--	0.02	0.001	0.06	0.2	0.09	0.1	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-181	0.03	--	0.06	0.08	0.01	0.2	--	0.2	0.01	0.004	--	0.007	0.009	0.001	0.02	--	0.02	0.001	0.06	0.2	0.08	0.08	0.04	0.7	0.4	0.9	0.1	0.01	0.09	0.01	0.01	0.01	0.4	0.1	0.3	0.1
ADA-182	0.03	--	0.09	0.09	0.009	0.1	--	0.1	0.01	0.003	--	0.01	0.01	0.001	0.02	--	0.01	0.002	0.05	0.2	0.1	0.1	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-183	0.05	--	0.08	0.07	0.02	0.1	--	0.2	0.04	0.006	--	0.009	0.009	0.003	0.01	--	0.02	0.005	0.08	0.2	0.1	0.08	0.05	0.7	0.4	0.9	0.2	0.02	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1
ADA-184	0.03	--	0.08	0.08	0.009	0.2	--	0.1	0.03	0.004	--	0.01	0.009	0.001	0.02	--	0.01	0.003	0.06	0.2	0.1	0.09	0.04	0.7	0.4	0.8	0.2	0.01	0.09	0.02	0.01	0.01	0.4	0.1	0.3	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-50. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Smallmouth Bass

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
Indoor Air	--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																
Outdoor Air	--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02	**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**									**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Smallmouth Bass)	0.01	0.5	0.006	0.003	0.03	0.5	0.4	0.7	--	0.004	0.2	0.002	0.001	0.01	0.2	0.2	0.3	--																
Upland Soil/Dust[a]	**Number of ADAs that exceed benchmark[c] for Soil/Dust:**									**Number of ADAs that exceed benchmark[c] for Soil/Dust:**																										
ADA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADA-001	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.006	--	0.01	0.01	0.003	0.02	--	0.02	0.003	0.06	0.5	0.1	0.1	0.05	1	0.4	1	0.2	0.01	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
ADA-002	0.05	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.5	0.1	0.1	0.05	0.9	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-004	0.06	--	0.07	0.08	0.02	0.1	--	0.2	0.02	0.007	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.07	0.5	0.08	0.09	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-005	0.07	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.009	--	0.01	0.01	0.003	0.01	--	0.03	0.001	0.08	0.5	0.1	0.1	0.06	0.9	0.4	1	0.1	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-006	0.07	--	0.08	0.09	0.03	0.1	--	0.2	0.02	0.008	--	0.009	0.01	0.003	0.02	--	0.02	0.003	0.08	0.5	0.09	0.09	0.06	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-008	0.08	--	0.08	0.1	0.03	0.1	--	0.2	0.02	0.01	--	0.009	0.01	0.004	0.02	--	0.03	0.002	0.09	0.5	0.08	0.1	0.06	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-010	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.04	--	0.04	0.005	0.1	0.5	0.1	0.1	0.07	1	0.4	1	0.2	0.02	0.2	0.02	0.01	0.02	0.5	0.2	0.3	0.1
ADA-015	0.04	--	0.05	0.06	0.01	0.1	--	0.1	0.01	0.005	--	0.006	0.008	0.002	0.01	--	0.02	0.001	0.05	0.5	0.06	0.07	0.05	0.9	0.4	0.9	0.1	0.009	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
ADA-016	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.02	0.007	--	0.007	0.008	0.002	0.02	--	0.02	0.002	0.07	0.5	0.06	0.07	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
ADA-017	0.08	--	0.06	0.08	0.03	0.1	--	0.2	0.02	0.01	--	0.008	0.009	0.004	0.02	--	0.03	0.002	0.09	0.5	0.07	0.08	0.06	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-018	0.05	--	0.06	0.08	0.04	0.1	--	0.2	0.03	0.006	--	0.007	0.009	0.005	0.02	--	0.03	0.003	0.06	0.5	0.07	0.08	0.08	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-019	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.02	0.001	0.02	--	0.02	0.001	0.07	0.5	0.1	0.1	0.04	0.9	0.4	0.9	0.1	0.01	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
ADA-020	0.04	--	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.001	0.05	0.5	0.1	0.09	0.04	0.9	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-021	0.1	--	0.2	0.1	0.02	0.2	--	0.2	0.01	0.01	--	0.03	0.02	0.002	0.02	--	0.02	0.001	0.1	0.5	0.2	0.1	0.05	1	0.4	0.9	0.1	0.02	0.2	0.03	0.02	0.01	0.5	0.2	0.3	0.1
ADA-023	0.07	--	0.1	0.09	0.02	0.1	--	0.2	0.03	0.009	--	0.01	0.01	0.002	0.01	--	0.03	0.003	0.08	0.5	0.1	0.09	0.05	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-024	0.1	--	0.06	0.08	0.04	0.2	--	0.3	0.03	0.01	--	0.007	0.009	0.005	0.02	--	0.03	0.004	0.1	0.5	0.07	0.08	0.08	1	0.4	1	0.2	0.02	0.2	0.009	0.01	0.02	0.5	0.2	0.3	0.1
ADA-025	0.07	--	0.06	0.07	0.02	0.2	--	0.2	0.03	0.008	--	0.007	0.008	0.002	0.02	--	0.02	0.003	0.08	0.5	0.06	0.07	0.05	1	0.4	0.9	0.2	0.01	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
ADA-026	0.04	--	0.07	0.08	0.01	0.1	--	0.1	0.02	0.005	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.05	0.5	0.08	0.08	0.05	0.9	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-028	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.007	--	0.007	0.008	0.002	0.01	--	0.02	0.002	0.07	0.5	0.06	0.07	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
ADA-033	0.05	--	0.06	0.07	0.007	0.2	--	0.2	0.01	0.005	--	0.007	0.009	0.0008	0.02	--	0.02	0.002	0.06	0.5	0.07	0.08	0.04	1	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-034	0.04	--	0.08	0.1	0.008	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.05	0.5	0.09	0.1	0.04	1	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-035	0.06	--	0.06	0.08	0.01	0.2	--	0.2	0.02	0.007	--	0.007	0.009	0.002	0.02	--	0.02	0.002	0.07	0.5	0.06	0.08	0.05	1	0.4	0.9	0.2	0.01	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
ADA-039	0.03	--	0.07	0.07	0.005	0.2	--	0.1	0.01	0.003	--	0.008	0.009	0.0006	0.02	--	0.01	0.002	0.04	0.5	0.08	0.08	0.04	1	0.4	0.9	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-042	0.04	--	0.07	0.09	0.01	0.1	--	0.1	0.005	0.005	--	0.008	0.01	0.001	0.01	--	0.01	0.0006	0.05	0.5	0.07	0.09	0.04	0.9	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-043	0.05	--	0.2	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.02	0.02	0.003	0.03	--	0.02	0.003	0.07	0.5	0.2	0.1	0.06	1	0.4	0.9	0.2	0.01	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
ADA-044	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.05	0.007	--	0.02	0.01	0.001	0.03	--	0.03	0.005	0.07	0.5	0.2	0.1	0.05	1	0.4	1	0.2	0.01	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
ADA-045	0.1	--	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.5	0.09	0.1	0.06	1	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-046	0.05	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.006	--	0.007	0.008	0.002	0.01	--	0.02	0.001	0.06	0.5	0.06	0.07	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
ADA-047	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.09	0.5	0.1	0.1	0.06	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-048	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.009	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
ADA-049	0.04	--	0.09	0.1	0.007	0.2	--	0.2	0.02	0.005	--	0.01	0.01	0.0008	0.02	--	0.02	0.002	0.05	0.5	0.09	0.1	0.04	1	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-050	0.1	--	0.2	0.1	0.03	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.02	--	0.04	0.005	0.1	0.5	0.2	0.1	0.07	1	0.4	1	0.2	0.02	0.2	0.02	0.01	0.02	0.5	0.2	0.3	0.1
ADA-051	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.03	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.003	0.05	0.5	0.1	0.1	0.04	1	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-052	0.08	--	0.1	0.1	0.03	0.2	--	0.3	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.09	0.5	0.1	0.1	0.06	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-053	0.04	--	0.1	0.1	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0009	0.03	--	0.02	0.0007	0.05	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-054	0.1	--	0.1	0.09	0.06	0.2	--	0.3	0.05	0.02	--	0.01	0.01	0.006	0.02	--	0.04	0.005	0.1	0.5	0.1	0.09	0.09	1	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-055	0.07	--	0.09	0.1	0.02	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.002	0.03	--	0.03	0.004	0.08	0.5	0.1	0.1	0.05	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-056	0.04	--	0.1	0.1	0.006	0.2	--	0.1	0.006	0.005	--	0.01	0.01	0.0007	0.03	--	0.02	0.0007	0.05	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.009	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
ADA-057	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.004	--	0.02	0.01	0.002	0.02	--	0.02	0.001	0.05	0.5	0.2	0.1	0.05	1	0.4	0.9	0.2	0.008	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
ADA-058	0.03	--	0.1	0.1	0.005	0.2	--	0.1	0.006	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0007	0.04	0.5	0.1	0.1	0.04	1	0.4	0.8	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-059	0.04	--	0.1	0.1	0.01	0.3	--	0.2	0.01	0.004	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.05	0.5	0.1	0.1	0.05	1	0.4	0.9	0.1	0.008	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
ADA-060	0.1	--	0.2	0.1	0.04	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.03	--	0.04	0.004	0.1	0.5	0.2	0.1	0.07	1	0.4	1	0.2	0.02	0.2	0.02	0.01	0.02	0.5	0.2	0.3	0.1
ADA-061	0.04	--	0.2	0.1	0.006	0.3	--	0.2	0.009	0.004	--	0.02	0.02	0.0007	0.04	--	0.02	0.001	0.05	0.5	0.2	0.1	0.04	1	0.4	0.9	0.1	0.008	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
ADA-062	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.5	0.1	0.1	0.06	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-063	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.002	0.06	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-064	0.06	--	0.1	0.1	0.008	0.3	--	0.2	0.009	0.007	--	0.02	0.02	0.001	0.04	--	0.02	0.001	0.07	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.01	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
ADA-065	0.08	--	0.08	0.09	0.04	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.003	0.1	0.5	0.09	0.09	0.07	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-066	0.05	--	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	--	0.009	0.01	0.002	0.02	--	0.02	0.002	0.06	0.5	0.08	0.09	0.05	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-067	0.04	--	0.1	0.1	0.009	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.001	0.03	--	0.02	0.003	0.05	0.5	0.1	0.1	0.04	1	0.4	0.9	0.2	0.009	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
ADA-070	0.09	--	0.1	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.1	0.5	0.1	0.1	0.06	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-071	0.07	--	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.08	0.5	0.09	0.1	0.06	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-073	0.09	--	0.08	0.09	0.04	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.002	0.1	0.5	0.09	0.09	0.07	1	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-076	0.1	--	0.09	0.1	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.004	0.1	0.5	0.1	0.1	0.06	1	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-078	0.09	--	0.09	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.1	0.5	0.1	0.1	0.06	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-079	0.05	--	0.07	0.07	0.02	0.2	--	0.1	0.03	0.006	--	0.009	0.009	0.002	0.02	--	0.02	0.004	0.06	0.5	0.08	0.08	0.05	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-081	0.07	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.08	0.5	0.1	0.1	0.06	1	0.4	0.9	0.2	0.01	0.2	0.01	0.02	0.02	0.5	0.2	0.3	0.1
ADA-082	0.06	--	0.1	0.09	0.02	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.5	0.1	0.09	0.05	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-084	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.006	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.06	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.01	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1

Table 5-50. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Smallmouth Bass

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-085	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.002	0.06	0.5	0.1	0.1	0.04	1	0.4	0.9	0.2	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-088	0.09	--	0.2	0.1	0.03	0.3	--	0.2	0.03	0.01	--	0.02	0.02	0.003	0.03	--	0.03	0.003	0.1	0.5	0.2	0.1	0.06	1	0.4	1	0.2	0.01	0.2	0.02	0.02	0.02	0.5	0.2	0.3	0.1
ADA-089	0.1	--	0.1	0.1	0.03	0.3	--	0.2	0.02	0.01	--	0.02	0.01	0.003	0.04	--	0.03	0.003	0.1	0.5	0.1	0.1	0.06	1	0.4	1	0.2	0.02	0.2	0.02	0.02	0.02	0.5	0.2	0.3	0.1
ADA-090	0.05	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.006	--	0.01	0.01	0.003	0.03	--	0.02	0.002	0.06	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-091	0.09	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.5	0.1	0.1	0.05	1	0.4	1	0.2	0.01	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
ADA-092	0.09	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.002	0.03	--	0.03	0.003	0.1	0.5	0.1	0.1	0.05	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-093	0.07	--	0.09	0.1	0.01	0.3	--	0.2	0.01	0.009	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.09	0.5	0.09	0.1	0.05	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-094	0.05	--	0.1	0.1	0.01	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.06	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-095	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.009	0.009	--	0.02	0.01	0.002	0.03	--	0.02	0.001	0.09	0.5	0.1	0.1	0.05	1	0.4	0.9	0.1	0.01	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
ADA-096	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.03	--	0.02	0.003	0.08	0.5	0.1	0.1	0.06	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-097	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.03	--	0.03	0.005	0.1	0.5	0.1	0.1	0.07	1	0.4	1	0.2	0.02	0.2	0.02	0.01	0.02	0.5	0.2	0.3	0.1
ADA-099	0.1	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.03	--	0.03	0.002	0.1	0.5	0.1	0.1	0.05	1	0.4	1	0.2	0.02	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
ADA-101	0.06	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.07	0.5	0.1	0.1	0.06	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-102	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.007	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.0009	0.06	0.5	0.1	0.1	0.05	1	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-103	0.06	--	0.2	0.1	0.02	0.3	--	0.2	0.01	0.007	--	0.02	0.02	0.002	0.04	--	0.02	0.002	0.07	0.5	0.2	0.1	0.05	1	0.4	0.9	0.2	0.01	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
ADA-104	0.04	--	0.07	0.09	0.008	0.2	--	0.1	0.007	0.004	--	0.009	0.01	0.001	0.02	--	0.01	0.0008	0.05	0.5	0.08	0.09	0.04	1	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-105	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.08	0.5	0.1	0.1	0.05	1	0.4	1	0.2	0.01	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
ADA-106	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.008	0.004	--	0.01	0.01	0.001	0.02	--	0.01	0.001	0.05	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-107	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.007	--	0.02	0.01	0.001	0.03	--	0.02	0.002	0.07	0.5	0.1	0.1	0.04	1	0.4	0.9	0.2	0.01	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
ADA-108	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.01	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
ADA-109	0.08	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.09	0.5	0.09	0.09	0.07	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-110	0.06	--	0.08	0.08	0.03	0.1	--	0.2	0.02	0.007	--	0.009	0.01	0.003	0.02	--	0.02	0.002	0.07	0.5	0.09	0.09	0.06	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-111	0.05	--	0.1	0.1	0.009	0.2	--	0.2	0.009	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.06	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.01	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
ADA-112	0.05	--	0.1	0.1	0.008	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.06	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-113	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.07	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-114	0.07	--	0.09	0.1	0.007	0.3	--	0.2	0.007	0.008	--	0.01	0.01	0.0008	0.03	--	0.02	0.0009	0.08	0.5	0.09	0.1	0.04	1	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-115	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.008	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.07	0.5	0.08	0.09	0.04	1	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-116	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.006	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0007	0.07	0.5	0.08	0.09	0.04	1	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-117	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.08	0.5	0.09	0.09	0.05	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-118	0.06	--	0.1	0.1	0.01	0.3	--	0.2	0.02	0.007	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.07	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-119	0.06	--	0.1	0.09	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.07	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-121	0.08	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	--	0.01	0.01	0.002	0.03	--	0.03	0.002	0.09	0.5	0.1	0.1	0.05	1	0.4	1	0.2	0.01	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
ADA-122	0.04	--	0.08	0.09	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.05	0.5	0.09	0.09	0.04	1	0.4	0.8	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-124	0.05	--	0.05	0.06	0.02	0.1	--	0.1	0.009	0.005	--	0.005	0.007	0.003	0.01	--	0.02	0.001	0.06	0.5	0.05	0.06	0.06	0.9	0.4	0.9	0.1	0.009	0.2	0.008	0.008	0.01	0.5	0.2	0.3	0.1
ADA-125	0.07	--	0.05	0.06	0.02	0.1	--	0.2	0.007	0.008	--	0.006	0.007	0.002	0.01	--	0.02	0.0008	0.08	0.5	0.05	0.07	0.05	0.9	0.4	0.9	0.1	0.01	0.2	0.008	0.009	0.01	0.5	0.2	0.3	0.1
ADA-126	0.1	--	0.06	0.07	0.03	0.1	--	0.3	0.03	0.01	--	0.007	0.008	0.003	0.02	--	0.03	0.003	0.1	0.5	0.07	0.07	0.06	0.9	0.4	1	0.2	0.02	0.2	0.009	0.01	0.02	0.5	0.2	0.3	0.1
ADA-127	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.02	0.01	0.002	0.02	--	0.02	0.003	0.1	0.5	0.1	0.1	0.05	1	0.4	0.9	0.2	0.01	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
ADA-128	0.06	--	0.05	0.05	0.04	0.09	--	0.2	0.03	0.007	--	0.005	0.006	0.004	0.01	--	0.02	0.003	0.07	0.5	0.05	0.06	0.07	0.9	0.4	0.9	0.2	0.01	0.2	0.008	0.008	0.02	0.5	0.2	0.3	0.1
ADA-131	0.09	--	0.07	0.07	0.04	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.005	0.02	--	0.03	0.003	0.1	0.5	0.08	0.08	0.07	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-132	0.04	--	0.06	0.06	0.01	0.07	--	0.2	0.008	0.005	--	0.007	0.008	0.002	0.008	--	0.02	0.0009	0.05	0.5	0.06	0.07	0.05	0.9	0.4	0.9	0.1	0.009	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
ADA-133	0.08	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.09	0.5	0.09	0.09	0.06	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-135	0.03	--	0.07	0.07	0.01	0.08	--	0.1	0.01	0.004	--	0.008	0.009	0.001	0.01	--	0.01	0.001	0.04	0.5	0.08	0.08	0.04	0.9	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-136	0.07	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.08	0.5	0.09	0.09	0.07	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-139	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.09	0.5	0.1	0.1	0.06	1	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-140	0.1	--	0.07	0.09	0.04	0.07	--	0.3	0.03	0.01	--	0.008	0.01	0.005	0.009	--	0.04	0.003	0.1	0.5	0.07	0.1	0.07	0.9	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-141	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.08	0.5	0.1	0.1	0.05	1	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-142	0.1	--	0.07	0.08	0.06	0.2	--	0.3	0.04	0.01	--	0.008	0.01	0.007	0.02	--	0.03	0.005	0.1	0.5	0.08	0.09	0.09	1	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-143	0.07	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.008	--	0.009	0.01	0.004	0.02	--	0.02	0.002	0.08	0.5	0.09	0.09	0.06	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-144	0.2	--	0.07	0.08	0.1	0.2	--	0.5	0.06	0.02	--	0.008	0.01	0.01	0.02	--	0.05	0.008	0.2	0.5	0.08	0.09	0.1	1	0.4	1	0.2	0.03	0.2	0.01	0.01	0.03	0.5	0.2	0.3	0.1
ADA-145	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.09	0.5	0.1	0.1	0.06	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-146	0.09	--	0.07	0.08	0.03	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.004	0.02	--	0.03	0.003	0.1	0.5	0.08	0.08	0.07	1	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-147	0.1	--	0.05	0.07	0.1	0.1	--	0.3	0.04	0.02	--	0.006	0.009	0.01	0.01	--	0.04	0.005	0.1	0.5	0.06	0.08	0.1	0.9	0.4	1	0.2	0.02	0.2	0.008	0.01	0.02	0.5	0.2	0.3	0.1
ADA-148	0.08	--	0.06	0.07	0.03	0.09	--	0.2	0.02	0.009	--	0.007	0.009	0.003	0.01	--	0.03	0.002	0.09	0.5	0.07	0.08	0.06	0.9	0.4	1	0.2	0.01	0.2	0.009	0.01	0.02	0.5	0.2	0.3	0.1
ADA-150	0.1	--	0.07	0.07	0.06	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.007	0.02	--	0.04	0.004	0.1	0.5	0.07	0.08	0.09	0.9	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-151	0.08	--	0.06	0.08	0.04	0.07	--	0.3	0.02	0.01	--	0.007	0.009	0.005	0.008	--	0.03	0.002	0.09	0.5	0.07	0.08	0.07	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-152	0.1	--	0.1	0.1	0.02	0.2	--	0.3	0.02	0.02	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.2	0.5	0.1	0.1	0.06	1	0.4	1	0.2	0.02	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-153	0.1	--	0.1	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.5	0.1	0.1	0.06	1	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-154	0.1	--	0.1	0.09	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.1	0.5	0.1	0.09	0.06	1	0.4	1	0.2	0.02	0.2	0.02	0.01	0.02	0.5	0.2	0.3	0.1
ADA-155	0.09	--	0.05	0.07	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.005	0.02	--	0.03	0.002	0.1	0.5	0.06	0.07	0.07	0.9	0.4	1	0.2	0.01	0.2	0.009	0.009	0.02	0.5	0.2	0.3	0.1
ADA-156	0.06	--	0.07	0.08	0.04	0.1	--	0.2	0.02	0.007	--	0.008	0.009	0.004	0.02	--	0.02	0.002	0.07	0.5	0.07	0.08	0.07	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-158	0.09	--	0.06	0.07	0.05	0.09	--	0.3	0.02	0.01	--	0.007	0.009	0.006	0.01	--	0.03	0.003	0.1	0.5	0.07	0.08	0.08	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-159	0.09	--	0.1	0.09	0.06	0.2	--	0.3	0.04	0.01	--	0.01	0.01	0.007	0.02	--	0.03	0.004	0.1	0.5	0.1	0.09	0.09	1	0.4	1	0.2	0.01	0.2	0.02	0.01	0.02	0.5	0.2	0.3	0.1

Table 5-50. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Smallmouth Bass

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-160	0.1	--	0.05	0.06	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.004	0.01	--	0.03	0.003	0.1	0.5	0.06	0.07	0.07	0.9	0.4	1	0.2	0.02	0.2	0.009	0.009	0.02	0.5	0.2	0.3	0.1
ADA-161	0.07	--	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	--	0.008	0.009	0.004	0.02	--	0.03	0.003	0.08	0.5	0.08	0.08	0.07	0.9	0.4	1	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-162	0.1	--	0.06	0.08	0.1	0.1	--	0.4	0.06	0.02	--	0.007	0.009	0.01	0.02	--	0.05	0.007	0.1	0.5	0.06	0.08	0.1	0.9	0.4	1	0.2	0.02	0.2	0.009	0.01	0.03	0.5	0.2	0.3	0.1
ADA-164	0.1	--	0.08	0.08	0.05	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.006	0.02	--	0.03	0.004	0.1	0.5	0.08	0.08	0.08	1	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-165	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.04	0.01	--	0.009	0.009	0.005	0.02	--	0.04	0.005	0.1	0.5	0.08	0.08	0.08	0.9	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-168	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.03	0.01	--	0.009	0.01	0.005	0.02	--	0.03	0.003	0.1	0.5	0.08	0.09	0.07	0.9	0.4	1	0.2	0.02	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-169	0.03	--	0.09	0.1	0.004	0.2	--	0.09	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.04	0.5	0.1	0.1	0.04	1	0.4	0.8	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-170	0.05	--	0.09	0.1	0.009	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.06	0.5	0.09	0.1	0.04	1	0.4	0.9	0.1	0.01	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-171	0.04	--	0.08	0.09	0.009	0.2	--	0.2	0.008	0.005	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.05	0.5	0.08	0.1	0.04	1	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-172	0.02	--	0.07	0.07	0.005	0.2	--	0.08	0.002	0.003	--	0.008	0.009	0.0006	0.02	--	0.009	0.0002	0.03	0.5	0.07	0.08	0.04	1	0.4	0.8	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-173	0.04	--	0.07	0.08	0.009	0.2	--	0.1	0.005	0.005	--	0.008	0.009	0.001	0.02	--	0.01	0.0005	0.05	0.5	0.07	0.08	0.04	1	0.4	0.9	0.1	0.009	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-174	0.04	--	0.06	0.07	0.01	0.2	--	0.1	0.008	0.005	--	0.007	0.008	0.001	0.02	--	0.01	0.0009	0.05	0.5	0.06	0.07	0.04	1	0.4	0.9	0.1	0.009	0.2	0.009	0.009	0.01	0.5	0.2	0.3	0.1
ADA-175	0.03	--	0.1	0.09	0.005	0.2	--	0.1	0.003	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0003	0.04	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-176	0.03	--	0.2	0.1	0.005	0.2	--	0.2	0.003	0.003	--	0.02	0.02	0.0006	0.03	--	0.02	0.0004	0.04	0.5	0.2	0.1	0.04	1	0.4	0.9	0.1	0.007	0.2	0.02	0.02	0.01	0.5	0.2	0.3	0.1
ADA-177	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.05	0.5	0.1	0.1	0.04	1	0.4	0.9	0.1	0.008	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
ADA-178	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.05	0.5	0.1	0.1	0.04	1	0.4	0.8	0.1	0.008	0.2	0.02	0.01	0.01	0.5	0.2	0.3	0.1
ADA-179	0.03	--	0.06	0.08	0.008	0.2	--	0.1	0.005	0.003	--	0.007	0.01	0.0009	0.02	--	0.01	0.0005	0.04	0.5	0.07	0.09	0.04	1	0.4	0.9	0.1	0.007	0.2	0.009	0.01	0.01	0.5	0.2	0.3	0.1
ADA-180	0.03	--	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	--	0.009	0.01	0.001	0.02	--	0.02	0.001	0.04	0.5	0.08	0.09	0.04	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-181	0.03	--	0.06	0.08	0.01	0.2	--	0.2	0.01	0.004	--	0.007	0.009	0.001	0.02	--	0.02	0.001	0.04	0.5	0.07	0.08	0.04	1	0.4	0.9	0.1	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-182	0.03	--	0.09	0.09	0.009	0.1	--	0.1	0.01	0.003	--	0.01	0.01	0.001	0.02	--	0.01	0.002	0.04	0.5	0.09	0.1	0.04	0.9	0.4	0.9	0.2	0.007	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1
ADA-183	0.05	--	0.08	0.07	0.02	0.1	--	0.2	0.04	0.006	--	0.009	0.009	0.003	0.01	--	0.02	0.005	0.06	0.5	0.08	0.08	0.06	0.9	0.4	0.9	0.2	0.01	0.2	0.01	0.01	0.02	0.5	0.2	0.3	0.1
ADA-184	0.03	--	0.08	0.08	0.009	0.2	--	0.1	0.03	0.004	--	0.01	0.009	0.001	0.02	--	0.01	0.003	0.05	0.5	0.09	0.08	0.04	1	0.4	0.9	0.2	0.008	0.2	0.01	0.01	0.01	0.5	0.2	0.3	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-51. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Sturgeon

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
Indoor Air	--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																
Outdoor Air	--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02	**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**									**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Sturgeon)	ND	0.3	NA	NA	0.06	0.3	0.2	0.2	--	ND	0.1	NA	NA	0.02	0.1	0.06	0.06	--																
Upland Soil/Dust[a]	**Number of ADAs that exceed benchmark[c] for Soil/Dust:**									**Number of ADAs that exceed benchmark[c] for Soil/Dust:**																										
ADA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADA-001	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.006	--	0.01	0.01	0.003	0.02	--	0.02	0.003	0.05	0.3	0.1	0.1	0.08	0.8	0.2	0.4	0.2	0.006	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-002	0.05	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.05	0.3	0.1	0.1	0.08	0.7	0.2	0.4	0.1	0.005	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
ADA-004	0.06	--	0.07	0.08	0.02	0.1	--	0.2	0.02	0.007	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.06	0.3	0.07	0.08	0.08	0.8	0.2	0.3	0.2	0.007	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
ADA-005	0.07	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.009	--	0.01	0.01	0.003	0.01	--	0.03	0.001	0.07	0.3	0.1	0.1	0.09	0.7	0.2	0.4	0.1	0.009	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-006	0.07	--	0.08	0.09	0.03	0.1	--	0.2	0.02	0.008	--	0.009	0.01	0.003	0.02	--	0.02	0.003	0.07	0.3	0.08	0.09	0.09	0.7	0.2	0.4	0.2	0.008	0.1	0.009	0.01	0.03	0.4	0.06	0.09	0.1
ADA-008	0.08	--	0.08	0.1	0.03	0.1	--	0.2	0.02	0.01	--	0.009	0.01	0.004	0.02	--	0.03	0.002	0.08	0.3	0.08	0.1	0.09	0.7	0.2	0.4	0.2	0.01	0.1	0.009	0.01	0.03	0.4	0.06	0.09	0.1
ADA-010	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.04	--	0.04	0.005	0.1	0.3	0.1	0.1	0.1	0.9	0.2	0.5	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.1	0.1
ADA-015	0.04	--	0.05	0.06	0.01	0.1	--	0.1	0.01	0.005	--	0.006	0.008	0.002	0.01	--	0.02	0.001	0.04	0.3	0.05	0.06	0.08	0.7	0.2	0.3	0.1	0.005	0.1	0.006	0.008	0.03	0.4	0.06	0.08	0.1
ADA-016	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.02	0.007	--	0.007	0.008	0.002	0.02	--	0.02	0.002	0.06	0.3	0.06	0.07	0.08	0.7	0.2	0.3	0.2	0.007	0.1	0.007	0.008	0.03	0.4	0.06	0.08	0.1
ADA-017	0.08	--	0.06	0.08	0.03	0.1	--	0.2	0.02	0.01	--	0.008	0.009	0.004	0.02	--	0.03	0.002	0.08	0.3	0.06	0.08	0.1	0.7	0.2	0.4	0.2	0.01	0.1	0.008	0.009	0.03	0.4	0.06	0.09	0.1
ADA-018	0.05	--	0.06	0.08	0.04	0.1	--	0.2	0.03	0.006	--	0.007	0.009	0.005	0.02	--	0.03	0.003	0.05	0.3	0.06	0.08	0.1	0.7	0.2	0.4	0.2	0.006	0.1	0.007	0.009	0.03	0.4	0.06	0.09	0.1
ADA-019	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.02	0.001	0.02	--	0.02	0.001	0.06	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.1	0.007	0.1	0.01	0.02	0.03	0.4	0.06	0.08	0.1
ADA-020	0.04	--	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.001	0.04	0.3	0.09	0.09	0.07	0.8	0.2	0.3	0.1	0.005	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-021	0.1	--	0.2	0.1	0.02	0.2	--	0.2	0.01	0.01	--	0.03	0.02	0.002	0.02	--	0.02	0.001	0.1	0.3	0.2	0.1	0.08	0.8	0.2	0.4	0.1	0.01	0.1	0.03	0.02	0.03	0.4	0.06	0.09	0.1
ADA-023	0.07	--	0.1	0.09	0.02	0.1	--	0.2	0.03	0.009	--	0.01	0.01	0.002	0.01	--	0.03	0.003	0.07	0.3	0.1	0.09	0.08	0.7	0.2	0.4	0.2	0.009	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-024	0.1	--	0.06	0.08	0.04	0.2	--	0.3	0.03	0.01	--	0.007	0.009	0.005	0.02	--	0.03	0.004	0.1	0.3	0.06	0.08	0.1	0.8	0.2	0.4	0.2	0.01	0.1	0.007	0.009	0.03	0.4	0.06	0.1	0.1
ADA-025	0.07	--	0.06	0.07	0.02	0.2	--	0.2	0.03	0.008	--	0.007	0.008	0.002	0.02	--	0.02	0.003	0.07	0.3	0.06	0.07	0.08	0.8	0.2	0.3	0.2	0.008	0.1	0.007	0.008	0.03	0.4	0.06	0.08	0.1
ADA-026	0.04	--	0.07	0.08	0.01	0.1	--	0.1	0.02	0.005	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.04	0.3	0.07	0.08	0.08	0.7	0.2	0.3	0.2	0.005	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
ADA-028	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.007	--	0.007	0.008	0.002	0.01	--	0.02	0.002	0.06	0.3	0.06	0.07	0.08	0.7	0.2	0.3	0.2	0.007	0.1	0.007	0.008	0.03	0.4	0.06	0.08	0.1
ADA-033	0.05	--	0.06	0.07	0.007	0.2	--	0.2	0.01	0.005	--	0.007	0.009	0.0008	0.02	--	0.02	0.002	0.05	0.3	0.06	0.07	0.07	0.8	0.2	0.3	0.2	0.005	0.1	0.007	0.009	0.02	0.4	0.06	0.08	0.1
ADA-034	0.04	--	0.08	0.1	0.008	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.04	0.3	0.08	0.1	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-035	0.06	--	0.06	0.08	0.01	0.2	--	0.2	0.02	0.007	--	0.007	0.009	0.002	0.02	--	0.02	0.002	0.06	0.3	0.06	0.08	0.08	0.8	0.2	0.3	0.2	0.007	0.1	0.007	0.009	0.03	0.4	0.06	0.08	0.1
ADA-039	0.03	--	0.07	0.07	0.005	0.2	--	0.1	0.01	0.003	--	0.008	0.009	0.0006	0.02	--	0.01	0.002	0.03	0.3	0.07	0.07	0.07	0.8	0.2	0.3	0.2	0.003	0.1	0.008	0.009	0.02	0.4	0.06	0.08	0.1
ADA-042	0.04	--	0.07	0.09	0.01	0.1	--	0.1	0.005	0.005	--	0.008	0.01	0.001	0.01	--	0.01	0.0006	0.04	0.3	0.07	0.09	0.08	0.7	0.2	0.3	0.1	0.005	0.1	0.008	0.01	0.03	0.4	0.06	0.08	0.1
ADA-043	0.05	--	0.2	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.02	0.02	0.003	0.03	--	0.02	0.003	0.05	0.3	0.2	0.1	0.09	0.8	0.2	0.3	0.2	0.006	0.1	0.02	0.02	0.03	0.4	0.06	0.08	0.1
ADA-044	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.05	0.007	--	0.02	0.01	0.001	0.03	--	0.03	0.005	0.06	0.3	0.1	0.1	0.08	0.8	0.2	0.4	0.2	0.007	0.1	0.02	0.01	0.03	0.4	0.06	0.09	0.1
ADA-045	0.1	--	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.3	0.08	0.09	0.09	0.8	0.2	0.5	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.1	0.1
ADA-046	0.05	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.006	--	0.007	0.008	0.002	0.01	--	0.02	0.001	0.05	0.3	0.06	0.07	0.08	0.7	0.2	0.3	0.2	0.006	0.1	0.007	0.008	0.03	0.4	0.06	0.08	0.1
ADA-047	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.08	0.3	0.1	0.1	0.09	0.8	0.2	0.4	0.2	0.009	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-048	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.04	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.2	0.005	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
ADA-049	0.04	--	0.09	0.1	0.007	0.2	--	0.2	0.02	0.005	--	0.01	0.01	0.0008	0.02	--	0.02	0.002	0.04	0.3	0.09	0.1	0.07	0.8	0.2	0.3	0.2	0.005	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-050	0.1	--	0.2	0.1	0.03	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.02	--	0.04	0.005	0.1	0.3	0.2	0.1	0.1	0.8	0.2	0.5	0.2	0.01	0.1	0.02	0.01	0.03	0.4	0.06	0.1	0.1
ADA-051	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.03	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.003	0.04	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.2	0.005	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-052	0.08	--	0.1	0.1	0.03	0.2	--	0.3	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.08	0.3	0.1	0.1	0.09	0.8	0.2	0.4	0.2	0.009	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-053	0.04	--	0.1	0.1	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0009	0.03	--	0.02	0.0007	0.04	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-054	0.1	--	0.1	0.09	0.06	0.2	--	0.3	0.05	0.02	--	0.01	0.01	0.006	0.02	--	0.04	0.005	0.1	0.3	0.1	0.09	0.1	0.8	0.2	0.5	0.2	0.02	0.1	0.01	0.01	0.03	0.4	0.06	0.1	0.1
ADA-055	0.07	--	0.09	0.1	0.02	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.002	0.03	--	0.03	0.004	0.07	0.3	0.09	0.1	0.08	0.8	0.2	0.4	0.2	0.008	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-056	0.04	--	0.1	0.1	0.006	0.2	--	0.1	0.006	0.005	--	0.01	0.01	0.0007	0.03	--	0.02	0.0007	0.04	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.005	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-057	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.004	--	0.02	0.01	0.002	0.02	--	0.02	0.001	0.04	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.2	0.004	0.1	0.02	0.01	0.03	0.4	0.06	0.08	0.1
ADA-058	0.03	--	0.1	0.1	0.005	0.2	--	0.1	0.006	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0007	0.03	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-059	0.04	--	0.1	0.1	0.01	0.3	--	0.2	0.01	0.004	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.04	0.3	0.1	0.1	0.08	0.9	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
ADA-060	0.1	--	0.2	0.1	0.04	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.03	--	0.04	0.004	0.1	0.3	0.2	0.1	0.1	0.8	0.2	0.5	0.2	0.01	0.1	0.02	0.01	0.03	0.4	0.06	0.1	0.1
ADA-061	0.04	--	0.2	0.1	0.006	0.3	--	0.2	0.009	0.004	--	0.02	0.02	0.0007	0.04	--	0.02	0.001	0.04	0.3	0.2	0.1	0.07	0.9	0.2	0.3	0.1	0.004	0.1	0.02	0.02	0.02	0.4	0.06	0.08	0.1
ADA-062	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.08	0.3	0.1	0.1	0.09	0.8	0.2	0.4	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-063	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.002	0.05	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.2	0.006	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
ADA-064	0.06	--	0.1	0.1	0.008	0.3	--	0.2	0.009	0.007	--	0.02	0.02	0.001	0.04	--	0.02	0.001	0.06	0.3	0.1	0.1	0.07	0.9	0.2	0.4	0.1	0.007	0.1	0.02	0.02	0.02	0.4	0.06	0.09	0.1
ADA-065	0.08	--	0.08	0.09	0.04	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.003	0.08	0.3	0.08	0.09	0.1	0.8	0.2	0.4	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-066	0.05	--	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	--	0.009	0.01	0.002	0.02	--	0.02	0.002	0.05	0.3	0.08	0.09	0.08	0.7	0.2	0.3	0.2	0.005	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
ADA-067	0.04	--	0.1	0.1	0.009	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.001	0.03	--	0.02	0.003	0.04	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.2	0.005	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-070	0.09	--	0.1	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.09	0.3	0.1	0.1	0.09	0.8	0.2	0.4	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-071	0.07	--	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.07	0.3	0.08	0.1	0.09	0.8	0.2	0.4	0.2	0.008	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-073	0.09	--	0.08	0.09	0.04	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.002	0.09	0.3	0.08	0.09	0.1	0.8	0.2	0.4	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-076	0.1	--	0.09	0.1	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.004	0.1	0.3	0.09	0.1	0.09	0.8	0.2	0.4	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-078	0.09	--	0.09	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.09	0.3	0.09	0.1	0.09	0.8	0.2	0.4	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-079	0.05	--	0.07	0.07	0.02	0.2	--	0.1	0.03	0.006	--	0.009	0.009	0.002	0.02	--	0.02	0.004	0.05	0.3	0.07	0.07	0.08	0.8	0.2	0.3	0.2	0.006	0.1	0.009	0.009	0.03	0.4	0.06	0.08	0.1
ADA-081	0.07	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.07	0.3	0.1	0.1	0.09	0.8	0.2	0.4	0.2	0.008	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-082	0.06	--	0.1	0.09	0.02	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.3	0.1	0.09	0.08	0.8	0.2	0.3	0.2	0.007	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
ADA-084	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.006	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.05	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.2	0.006	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1

Table 5-51. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Sturgeon

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-085	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.002	0.04	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.2	0.005	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
ADA-088	0.09	--	0.2	0.1	0.03	0.3	--	0.2	0.03	0.01	--	0.02	0.02	0.003	0.03	--	0.03	0.003	0.09	0.3	0.2	0.1	0.09	0.9	0.2	0.4	0.2	0.01	0.1	0.02	0.02	0.03	0.4	0.06	0.09	0.1
ADA-089	0.1	--	0.1	0.1	0.03	0.3	--	0.2	0.02	0.01	--	0.02	0.01	0.003	0.04	--	0.03	0.003	0.1	0.3	0.1	0.1	0.09	0.9	0.2	0.4	0.2	0.01	0.1	0.02	0.01	0.03	0.4	0.06	0.09	0.1
ADA-090	0.05	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.006	--	0.01	0.01	0.003	0.03	--	0.02	0.002	0.05	0.3	0.1	0.1	0.09	0.9	0.2	0.4	0.2	0.006	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-091	0.09	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.09	0.3	0.1	0.1	0.09	0.8	0.2	0.4	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-092	0.09	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.002	0.03	--	0.03	0.003	0.09	0.3	0.1	0.1	0.08	0.8	0.2	0.4	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-093	0.07	--	0.09	0.1	0.01	0.3	--	0.2	0.01	0.009	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.07	0.3	0.09	0.1	0.08	0.9	0.2	0.4	0.2	0.009	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-094	0.05	--	0.1	0.1	0.01	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.05	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.006	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-095	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.009	0.009	--	0.02	0.01	0.002	0.03	--	0.02	0.001	0.08	0.3	0.1	0.1	0.08	0.9	0.2	0.3	0.1	0.009	0.1	0.02	0.01	0.03	0.4	0.06	0.08	0.1
ADA-096	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.03	--	0.02	0.003	0.07	0.3	0.09	0.09	0.09	0.8	0.2	0.4	0.2	0.009	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-097	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.03	--	0.03	0.005	0.1	0.3	0.1	0.1	0.1	0.9	0.2	0.5	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.1	0.1
ADA-099	0.1	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.03	--	0.03	0.002	0.1	0.3	0.1	0.1	0.09	0.9	0.2	0.4	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-101	0.06	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.06	0.3	0.1	0.1	0.09	0.8	0.2	0.4	0.2	0.007	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-102	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.007	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.0009	0.05	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.1	0.006	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
ADA-103	0.06	--	0.2	0.1	0.02	0.3	--	0.2	0.01	0.007	--	0.02	0.02	0.002	0.04	--	0.02	0.002	0.06	0.3	0.2	0.1	0.08	0.9	0.2	0.3	0.2	0.007	0.1	0.02	0.02	0.03	0.4	0.06	0.08	0.1
ADA-104	0.04	--	0.07	0.09	0.008	0.2	--	0.1	0.007	0.004	--	0.009	0.01	0.001	0.02	--	0.01	0.0008	0.04	0.3	0.07	0.09	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
ADA-105	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.07	0.3	0.1	0.1	0.08	0.8	0.2	0.4	0.2	0.008	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-106	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.008	0.004	--	0.01	0.01	0.001	0.02	--	0.01	0.001	0.04	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-107	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.007	--	0.02	0.01	0.001	0.03	--	0.02	0.002	0.06	0.3	0.1	0.1	0.07	0.9	0.2	0.4	0.2	0.007	0.1	0.02	0.01	0.02	0.4	0.06	0.09	0.1
ADA-108	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.3	0.1	0.1	0.08	0.8	0.2	0.3	0.2	0.006	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
ADA-109	0.08	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.08	0.3	0.09	0.09	0.1	0.8	0.2	0.4	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-110	0.06	--	0.08	0.08	0.03	0.1	--	0.2	0.02	0.007	--	0.009	0.01	0.003	0.02	--	0.02	0.002	0.06	0.3	0.08	0.08	0.09	0.7	0.2	0.4	0.2	0.007	0.1	0.009	0.01	0.03	0.4	0.06	0.09	0.1
ADA-111	0.05	--	0.1	0.1	0.009	0.2	--	0.2	0.009	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.05	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.006	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-112	0.05	--	0.1	0.1	0.008	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.05	0.3	0.1	0.1	0.07	0.9	0.2	0.3	0.1	0.006	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-113	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.06	0.3	0.1	0.1	0.07	0.9	0.2	0.3	0.1	0.006	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-114	0.07	--	0.09	0.1	0.007	0.3	--	0.2	0.007	0.008	--	0.01	0.01	0.0008	0.03	--	0.02	0.0009	0.07	0.3	0.09	0.1	0.07	0.9	0.2	0.3	0.1	0.008	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-115	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.008	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.06	0.3	0.07	0.08	0.07	0.8	0.2	0.3	0.1	0.007	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
ADA-116	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.006	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0007	0.06	0.3	0.07	0.08	0.07	0.8	0.2	0.3	0.1	0.007	0.1	0.009	0.01	0.03	0.4	0.06	0.08	0.1
ADA-117	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.07	0.3	0.09	0.09	0.08	0.8	0.2	0.3	0.2	0.008	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
ADA-118	0.06	--	0.1	0.1	0.01	0.3	--	0.2	0.02	0.007	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.06	0.3	0.1	0.1	0.08	0.9	0.2	0.3	0.2	0.007	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
ADA-119	0.06	--	0.1	0.09	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.06	0.3	0.1	0.09	0.08	0.8	0.2	0.3	0.2	0.007	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
ADA-121	0.08	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	--	0.01	0.01	0.002	0.03	--	0.03	0.002	0.08	0.3	0.1	0.1	0.08	0.9	0.2	0.4	0.2	0.009	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-122	0.04	--	0.08	0.09	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.04	0.3	0.08	0.09	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-124	0.05	--	0.05	0.06	0.02	0.1	--	0.1	0.009	0.005	--	0.005	0.007	0.003	0.01	--	0.02	0.001	0.05	0.3	0.05	0.06	0.09	0.7	0.2	0.3	0.1	0.005	0.1	0.005	0.007	0.03	0.4	0.06	0.08	0.1
ADA-125	0.07	--	0.05	0.06	0.02	0.1	--	0.2	0.007	0.008	--	0.006	0.007	0.002	0.01	--	0.02	0.0008	0.07	0.3	0.05	0.06	0.08	0.7	0.2	0.3	0.1	0.008	0.1	0.006	0.007	0.03	0.4	0.06	0.08	0.1
ADA-126	0.1	--	0.06	0.07	0.03	0.1	--	0.3	0.03	0.01	--	0.007	0.008	0.003	0.02	--	0.03	0.003	0.1	0.3	0.06	0.07	0.09	0.7	0.2	0.4	0.2	0.01	0.1	0.007	0.008	0.03	0.4	0.06	0.09	0.1
ADA-127	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.02	0.01	0.002	0.02	--	0.02	0.003	0.08	0.3	0.1	0.1	0.08	0.8	0.2	0.4	0.2	0.01	0.1	0.02	0.01	0.03	0.4	0.06	0.09	0.1
ADA-128	0.06	--	0.05	0.05	0.04	0.09	--	0.2	0.03	0.007	--	0.005	0.006	0.004	0.01	--	0.02	0.003	0.06	0.3	0.05	0.05	0.1	0.7	0.2	0.4	0.2	0.007	0.1	0.005	0.006	0.03	0.4	0.06	0.09	0.1
ADA-131	0.09	--	0.07	0.07	0.04	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.005	0.02	--	0.03	0.003	0.09	0.3	0.07	0.07	0.1	0.7	0.2	0.4	0.2	0.01	0.1	0.008	0.009	0.03	0.4	0.06	0.09	0.1
ADA-132	0.04	--	0.06	0.06	0.01	0.07	--	0.2	0.008	0.005	--	0.007	0.008	0.002	0.008	--	0.02	0.0009	0.04	0.3	0.06	0.06	0.08	0.7	0.2	0.3	0.1	0.005	0.1	0.007	0.008	0.03	0.4	0.06	0.08	0.1
ADA-133	0.08	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.08	0.3	0.08	0.08	0.09	0.8	0.2	0.4	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-135	0.03	--	0.07	0.07	0.01	0.08	--	0.1	0.01	0.004	--	0.008	0.009	0.001	0.01	--	0.01	0.001	0.03	0.3	0.07	0.07	0.08	0.7	0.2	0.3	0.1	0.004	0.1	0.008	0.009	0.03	0.4	0.06	0.08	0.1
ADA-136	0.07	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.07	0.3	0.09	0.09	0.1	0.8	0.2	0.4	0.2	0.008	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-139	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.07	0.3	0.1	0.1	0.09	0.8	0.2	0.4	0.2	0.009	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-140	0.1	--	0.07	0.09	0.04	0.07	--	0.3	0.03	0.01	--	0.008	0.01	0.005	0.009	--	0.04	0.003	0.1	0.3	0.07	0.09	0.1	0.7	0.2	0.5	0.2	0.01	0.1	0.008	0.01	0.03	0.4	0.06	0.1	0.1
ADA-141	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.3	0.1	0.1	0.08	0.8	0.2	0.4	0.1	0.008	0.1	0.01	0.01	0.03	0.4	0.06	0.08	0.1
ADA-142	0.1	--	0.07	0.08	0.06	0.2	--	0.3	0.04	0.01	--	0.008	0.01	0.007	0.02	--	0.03	0.005	0.1	0.3	0.07	0.08	0.1	0.8	0.2	0.5	0.2	0.01	0.1	0.008	0.01	0.03	0.4	0.06	0.1	0.1
ADA-143	0.07	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.008	--	0.009	0.01	0.004	0.02	--	0.02	0.002	0.07	0.3	0.08	0.08	0.09	0.8	0.2	0.4	0.2	0.008	0.1	0.009	0.01	0.03	0.4	0.06	0.09	0.1
ADA-144	0.2	--	0.07	0.08	0.1	0.2	--	0.5	0.06	0.02	--	0.008	0.01	0.01	0.02	--	0.05	0.008	0.2	0.3	0.07	0.08	0.2	0.8	0.2	0.6	0.2	0.02	0.1	0.008	0.01	0.04	0.4	0.06	0.1	0.1
ADA-145	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.08	0.3	0.1	0.1	0.09	0.8	0.2	0.4	0.2	0.009	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-146	0.09	--	0.07	0.08	0.03	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.004	0.02	--	0.03	0.003	0.09	0.3	0.07	0.08	0.1	0.8	0.2	0.4	0.2	0.01	0.1	0.009	0.009	0.03	0.4	0.06	0.09	0.1
ADA-147	0.1	--	0.05	0.07	0.1	0.1	--	0.3	0.04	0.02	--	0.006	0.009	0.01	0.01	--	0.04	0.005	0.1	0.3	0.05	0.07	0.2	0.7	0.2	0.5	0.2	0.02	0.1	0.006	0.009	0.04	0.4	0.06	0.1	0.1
ADA-148	0.08	--	0.06	0.07	0.03	0.09	--	0.2	0.02	0.009	--	0.007	0.009	0.003	0.01	--	0.03	0.002	0.08	0.3	0.06	0.07	0.09	0.7	0.2	0.4	0.2	0.009	0.1	0.007	0.009	0.03	0.4	0.06	0.09	0.1
ADA-150	0.1	--	0.07	0.07	0.06	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.007	0.02	--	0.04	0.004	0.1	0.3	0.07	0.07	0.1	0.7	0.2	0.5	0.2	0.01	0.1	0.008	0.009	0.03	0.4	0.06	0.1	0.1
ADA-151	0.08	--	0.06	0.08	0.04	0.07	--	0.3	0.02	0.01	--	0.007	0.009	0.005	0.008	--	0.03	0.002	0.08	0.3	0.06	0.08	0.1	0.7	0.2	0.4	0.2	0.01	0.1	0.007	0.009	0.03	0.4	0.06	0.1	0.1
ADA-152	0.1	--	0.1	0.1	0.02	0.2	--	0.3	0.02	0.02	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.1	0.3	0.1	0.1	0.09	0.8	0.2	0.5	0.2	0.02	0.1	0.01	0.01	0.03	0.4	0.06	0.1	0.1
ADA-153	0.1	--	0.1	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.3	0.1	0.09	0.1	0.8	0.2	0.4	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.1	0.1
ADA-154	0.1	--	0.1	0.09	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.1	0.3	0.1	0.09	0.09	0.8	0.2	0.4	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1
ADA-155	0.09	--	0.05	0.07	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.005	0.02	--	0.03	0.002	0.09	0.3	0.05	0.07	0.1	0.7	0.2	0.4	0.2	0.01	0.1	0.006	0.008	0.03	0.4	0.06	0.09	0.1
ADA-156	0.06	--	0.07	0.08	0.04	0.1	--	0.2	0.02	0.007	--	0.008	0.009	0.004	0.02	--	0.02	0.002	0.06	0.3	0.07	0.08	0.1	0.7	0.2	0.4	0.2	0.007	0.1	0.008	0.009	0.03	0.4	0.06	0.09	0.1
ADA-158	0.09	--	0.06	0.07	0.05	0.09	--	0.3	0.02	0.01	--	0.007	0.009	0.006	0.01	--	0.03	0.003	0.09	0.3	0.06	0.07	0.1	0.7	0.2	0.4	0.2	0.01	0.1	0.007	0.009	0.03	0.4	0.06	0.09	0.1
ADA-159	0.09	--	0.1	0.09	0.06	0.2	--	0.3	0.04	0.01	--	0.01	0.01	0.007	0.02	--	0.03	0.004	0.09	0.3	0.1	0.09	0.1	0.8	0.2	0.4	0.2	0.01	0.1	0.01	0.01	0.03	0.4	0.06	0.09	0.1

Table 5-51. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Sturgeon

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-160	0.1	--	0.05	0.06	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.004	0.01	--	0.03	0.003	0.1	0.3	0.05	0.06	0.1	0.7	0.2	0.4	0.2	0.01	0.1	0.006	0.008	0.03	0.4	0.06	0.09	0.1
ADA-161	0.07	--	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	--	0.008	0.009	0.004	0.02	--	0.03	0.003	0.07	0.3	0.07	0.07	0.1	0.7	0.2	0.4	0.2	0.008	0.1	0.008	0.009	0.03	0.4	0.06	0.09	0.1
ADA-162	0.1	--	0.06	0.08	0.1	0.1	--	0.4	0.06	0.02	--	0.007	0.009	0.01	0.02	--	0.05	0.007	0.1	0.3	0.06	0.08	0.2	0.7	0.2	0.6	0.2	0.02	0.1	0.007	0.009	0.04	0.4	0.06	0.1	0.1
ADA-164	0.1	--	0.08	0.08	0.05	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.006	0.02	--	0.03	0.004	0.1	0.3	0.08	0.08	0.1	0.8	0.2	0.4	0.2	0.01	0.1	0.009	0.009	0.03	0.4	0.06	0.1	0.1
ADA-165	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.04	0.01	--	0.009	0.009	0.005	0.02	--	0.04	0.005	0.1	0.3	0.07	0.08	0.1	0.7	0.2	0.5	0.2	0.01	0.1	0.009	0.009	0.03	0.4	0.06	0.1	0.1
ADA-168	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.03	0.01	--	0.009	0.01	0.005	0.02	--	0.03	0.003	0.1	0.3	0.07	0.08	0.1	0.7	0.2	0.4	0.2	0.01	0.1	0.009	0.01	0.03	0.4	0.06	0.09	0.1
ADA-169	0.03	--	0.09	0.1	0.004	0.2	--	0.09	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.03	0.3	0.09	0.1	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.07	0.1
ADA-170	0.05	--	0.09	0.1	0.009	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.05	0.3	0.09	0.1	0.07	0.8	0.2	0.3	0.1	0.006	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-171	0.04	--	0.08	0.09	0.009	0.2	--	0.2	0.008	0.005	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.04	0.3	0.08	0.09	0.07	0.8	0.2	0.3	0.1	0.005	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
ADA-172	0.02	--	0.07	0.07	0.005	0.2	--	0.08	0.002	0.003	--	0.008	0.009	0.0006	0.02	--	0.009	0.0002	0.02	0.3	0.07	0.07	0.07	0.8	0.2	0.3	0.1	0.003	0.1	0.008	0.009	0.02	0.4	0.06	0.07	0.1
ADA-173	0.04	--	0.07	0.08	0.009	0.2	--	0.1	0.005	0.005	--	0.008	0.009	0.001	0.02	--	0.01	0.0005	0.04	0.3	0.07	0.08	0.07	0.8	0.2	0.3	0.1	0.005	0.1	0.008	0.009	0.02	0.4	0.06	0.08	0.1
ADA-174	0.04	--	0.06	0.07	0.01	0.2	--	0.1	0.008	0.005	--	0.007	0.008	0.001	0.02	--	0.01	0.0009	0.04	0.3	0.06	0.07	0.07	0.8	0.2	0.3	0.1	0.005	0.1	0.007	0.008	0.02	0.4	0.06	0.08	0.1
ADA-175	0.03	--	0.1	0.09	0.005	0.2	--	0.1	0.003	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0003	0.03	0.3	0.1	0.09	0.07	0.8	0.2	0.3	0.1	0.003	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-176	0.03	--	0.2	0.1	0.005	0.2	--	0.2	0.003	0.003	--	0.02	0.02	0.0006	0.03	--	0.02	0.0004	0.03	0.3	0.2	0.1	0.07	0.8	0.2	0.3	0.1	0.003	0.1	0.02	0.02	0.02	0.4	0.06	0.08	0.1
ADA-177	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.04	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-178	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.04	0.3	0.1	0.1	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-179	0.03	--	0.06	0.08	0.008	0.2	--	0.1	0.005	0.003	--	0.007	0.01	0.0009	0.02	--	0.01	0.0005	0.03	0.3	0.06	0.08	0.07	0.8	0.2	0.3	0.1	0.003	0.1	0.007	0.01	0.02	0.4	0.06	0.08	0.1
ADA-180	0.03	--	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	--	0.009	0.01	0.001	0.02	--	0.02	0.001	0.03	0.3	0.07	0.09	0.07	0.8	0.2	0.3	0.2	0.004	0.1	0.009	0.01	0.02	0.4	0.06	0.08	0.1
ADA-181	0.03	--	0.06	0.08	0.01	0.2	--	0.2	0.01	0.004	--	0.007	0.009	0.001	0.02	--	0.02	0.001	0.03	0.3	0.06	0.08	0.07	0.8	0.2	0.3	0.1	0.004	0.1	0.007	0.009	0.02	0.4	0.06	0.08	0.1
ADA-182	0.03	--	0.09	0.09	0.009	0.1	--	0.1	0.01	0.003	--	0.01	0.01	0.001	0.02	--	0.01	0.002	0.03	0.3	0.09	0.09	0.07	0.7	0.2	0.3	0.2	0.003	0.1	0.01	0.01	0.02	0.4	0.06	0.08	0.1
ADA-183	0.05	--	0.08	0.07	0.02	0.1	--	0.2	0.04	0.006	--	0.009	0.009	0.003	0.01	--	0.02	0.005	0.05	0.3	0.08	0.07	0.09	0.7	0.2	0.3	0.2	0.006	0.1	0.009	0.009	0.03	0.4	0.06	0.08	0.1
ADA-184	0.03	--	0.08	0.08	0.009	0.2	--	0.1	0.03	0.004	--	0.01	0.009	0.001	0.02	--	0.01	0.003	0.03	0.3	0.08	0.08	0.07	0.8	0.2	0.3	0.2	0.004	0.1	0.01	0.009	0.02	0.4	0.06	0.08	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-52. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Sucker

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
Indoor Air	--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																
Outdoor Air	--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02	Number of ADAs that exceed benchmark[c] when risk is summed across pathways:									Number of ADAs that exceed benchmark[c] when risk is summed across pathways:								
Fish (Sucker)	0.01	0.8	0.008	0.03	0.02	0.9	0.6	0.4	--	0.005	0.3	0.003	0.01	0.009	0.3	0.2	0.1	--																
Upland Soil/Dust[a]	Number of ADAs that exceed benchmark[c] for Soil/Dust:									Number of ADAs that exceed benchmark[c] for Soil/Dust:																										
ADA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
ADA-001	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.006	--	0.01	0.01	0.003	0.02	--	0.02	0.003	0.07	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
ADA-002	0.05	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.06	0.8	0.1	0.1	0.04	1	0.6	0.6	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-004	0.06	--	0.07	0.08	0.02	0.1	--	0.2	0.02	0.007	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.07	0.8	0.08	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-005	0.07	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.009	--	0.01	0.01	0.003	0.01	--	0.03	0.001	0.08	0.8	0.1	0.1	0.05	1	0.6	0.6	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-006	0.07	--	0.08	0.09	0.03	0.1	--	0.2	0.02	0.008	--	0.009	0.01	0.003	0.02	--	0.02	0.003	0.08	0.8	0.09	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-008	0.08	--	0.08	0.1	0.03	0.1	--	0.2	0.02	0.01	--	0.009	0.01	0.004	0.02	--	0.03	0.002	0.09	0.8	0.09	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-010	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.04	--	0.04	0.005	0.1	0.8	0.1	0.1	0.06	2	0.6	0.7	0.2	0.02	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
ADA-015	0.04	--	0.05	0.06	0.01	0.1	--	0.1	0.01	0.005	--	0.006	0.008	0.002	0.01	--	0.02	0.001	0.05	0.8	0.06	0.1	0.04	1	0.6	0.5	0.1	0.009	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
ADA-016	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.02	0.007	--	0.007	0.008	0.002	0.02	--	0.02	0.002	0.07	0.8	0.07	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-017	0.08	--	0.06	0.08	0.03	0.1	--	0.2	0.02	0.01	--	0.008	0.009	0.004	0.02	--	0.03	0.002	0.09	0.8	0.07	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-018	0.05	--	0.06	0.08	0.04	0.1	--	0.2	0.03	0.006	--	0.007	0.009	0.005	0.02	--	0.03	0.003	0.06	0.8	0.07	0.1	0.07	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-019	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.02	0.001	0.02	--	0.02	0.001	0.07	0.8	0.1	0.2	0.04	1	0.6	0.6	0.1	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-020	0.04	--	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.001	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-021	0.1	--	0.2	0.1	0.02	0.2	--	0.2	0.01	0.01	--	0.03	0.02	0.002	0.02	--	0.02	0.001	0.1	0.8	0.2	0.2	0.04	1	0.6	0.6	0.1	0.02	0.3	0.03	0.03	0.01	0.6	0.2	0.2	0.1
ADA-023	0.07	--	0.1	0.09	0.02	0.1	--	0.2	0.03	0.009	--	0.01	0.01	0.002	0.01	--	0.03	0.003	0.09	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-024	0.1	--	0.06	0.08	0.04	0.2	--	0.3	0.03	0.01	--	0.007	0.009	0.005	0.02	--	0.03	0.004	0.1	0.8	0.07	0.1	0.07	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-025	0.07	--	0.06	0.07	0.02	0.2	--	0.2	0.03	0.008	--	0.007	0.008	0.002	0.02	--	0.02	0.003	0.08	0.8	0.07	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-026	0.04	--	0.07	0.08	0.01	0.1	--	0.1	0.02	0.005	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.05	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-028	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.007	--	0.007	0.008	0.002	0.01	--	0.02	0.002	0.07	0.8	0.06	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
ADA-033	0.05	--	0.06	0.07	0.007	0.2	--	0.2	0.01	0.005	--	0.007	0.009	0.0008	0.02	--	0.02	0.002	0.06	0.8	0.07	0.1	0.03	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-034	0.04	--	0.08	0.1	0.008	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.05	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-035	0.06	--	0.06	0.08	0.01	0.2	--	0.2	0.02	0.007	--	0.007	0.009	0.002	0.02	--	0.02	0.002	0.07	0.8	0.06	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-039	0.03	--	0.07	0.07	0.005	0.2	--	0.1	0.01	0.003	--	0.008	0.009	0.0006	0.02	--	0.01	0.002	0.04	0.8	0.08	0.1	0.03	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-042	0.04	--	0.07	0.09	0.01	0.1	--	0.1	0.005	0.005	--	0.008	0.01	0.001	0.01	--	0.01	0.0006	0.05	0.8	0.07	0.1	0.04	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-043	0.05	--	0.2	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.02	0.02	0.003	0.03	--	0.02	0.003	0.07	0.8	0.2	0.2	0.05	1	0.6	0.6	0.2	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-044	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.05	0.007	--	0.02	0.01	0.001	0.03	--	0.03	0.005	0.07	0.8	0.2	0.2	0.04	1	0.6	0.6	0.2	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-045	0.1	--	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.8	0.09	0.1	0.05	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-046	0.05	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.006	--	0.007	0.008	0.002	0.01	--	0.02	0.001	0.07	0.8	0.07	0.1	0.04	1	0.6	0.5	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-047	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.09	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-048	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.05	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.009	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-049	0.04	--	0.09	0.1	0.007	0.2	--	0.2	0.02	0.005	--	0.01	0.01	0.0008	0.02	--	0.02	0.002	0.06	0.8	0.09	0.1	0.03	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-050	0.1	--	0.2	0.1	0.03	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.02	--	0.04	0.005	0.1	0.8	0.2	0.1	0.06	1	0.6	0.7	0.2	0.02	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-051	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.03	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.003	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-052	0.08	--	0.1	0.1	0.03	0.2	--	0.3	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.09	0.8	0.1	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
ADA-053	0.04	--	0.1	0.1	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0009	0.03	--	0.02	0.0007	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-054	0.1	--	0.1	0.09	0.06	0.2	--	0.3	0.05	0.02	--	0.01	0.01	0.006	0.02	--	0.04	0.005	0.1	0.8	0.1	0.1	0.08	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.02	0.6	0.2	0.2	0.1
ADA-055	0.07	--	0.09	0.1	0.02	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.002	0.03	--	0.03	0.004	0.08	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-056	0.04	--	0.1	0.1	0.006	0.2	--	0.1	0.006	0.005	--	0.01	0.01	0.0007	0.03	--	0.02	0.0007	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-057	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.004	--	0.02	0.01	0.002	0.02	--	0.02	0.001	0.05	0.8	0.2	0.2	0.04	1	0.6	0.6	0.2	0.009	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-058	0.03	--	0.1	0.1	0.005	0.2	--	0.1	0.006	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0007	0.04	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
ADA-059	0.04	--	0.1	0.1	0.01	0.3	--	0.2	0.01	0.004	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.05	0.8	0.1	0.2	0.04	1	0.6	0.5	0.1	0.009	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-060	0.1	--	0.2	0.1	0.04	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.03	--	0.04	0.004	0.1	0.8	0.2	0.1	0.06	1	0.6	0.7	0.2	0.02	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-061	0.04	--	0.2	0.1	0.006	0.3	--	0.2	0.009	0.004	--	0.02	0.02	0.0007	0.04	--	0.02	0.001	0.05	0.8	0.2	0.2	0.03	2	0.6	0.6	0.1	0.009	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-062	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-063	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.002	0.06	0.8	0.1	0.1	0.04	1	0.6	0.5	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-064	0.06	--	0.1	0.1	0.008	0.3	--	0.2	0.009	0.007	--	0.02	0.02	0.001	0.04	--	0.02	0.001	0.07	0.8	0.1	0.2	0.03	1	0.6	0.6	0.1	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-065	0.08	--	0.08	0.09	0.04	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.003	0.1	0.8	0.09	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-066	0.05	--	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	--	0.009	0.01	0.002	0.02	--	0.02	0.002	0.06	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-067	0.04	--	0.1	0.1	0.009	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.001	0.03	--	0.02	0.003	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.2	0.009	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-070	0.09	--	0.1	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.1	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
ADA-071	0.07	--	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.08	0.8	0.09	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-073	0.09	--	0.08	0.09	0.04	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.002	0.1	0.8	0.09	0.1	0.06	1	0.6	0.6	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-076	0.1	--	0.09	0.1	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.004	0.1	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-078	0.09	--	0.09	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.1	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-079	0.05	--	0.07	0.07	0.02	0.2	--	0.1	0.03	0.006	--	0.009	0.009	0.002	0.02	--	0.02	0.004	0.06	0.8	0.08	0.1	0.04	1	0.6	0.5	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-081	0.07	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.08	0.8	0.1	0.2	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.03	0.01	0.6	0.2	0.2	0.1
ADA-082	0.06	--	0.1	0.09	0.02	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.07	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-084	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.006	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.07	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1

Table 5-52. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Sucker

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult							
ADA																																	
ADA-085	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.002	0.06	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-088	0.09	--	0.2	0.1	0.03	0.3	--	0.2	0.03	0.01	--	0.02	0.02	0.003	0.03	--	0.03	0.003	0.1	0.8	0.2	0.2	0.05	1	0.6	0.6	0.2	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-089	0.1	--	0.1	0.1	0.03	0.3	--	0.2	0.02	0.01	--	0.02	0.01	0.003	0.04	--	0.03	0.003	0.1	0.8	0.1	0.2	0.05	1	0.6	0.6	0.2	0.02	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-090	0.05	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.006	--	0.01	0.01	0.003	0.03	--	0.02	0.002	0.06	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
ADA-091	0.09	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
ADA-092	0.09	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.002	0.03	--	0.03	0.003	0.1	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-093	0.07	--	0.09	0.1	0.01	0.3	--	0.2	0.01	0.009	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.09	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-094	0.05	--	0.1	0.1	0.01	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.07	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-095	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.009	0.009	--	0.02	0.01	0.002	0.03	--	0.02	0.001	0.09	0.8	0.1	0.2	0.04	1	0.6	0.6	0.1	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-096	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.03	--	0.02	0.003	0.09	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-097	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.03	--	0.03	0.005	0.1	0.8	0.1	0.1	0.07	1	0.6	0.7	0.2	0.02	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
ADA-099	0.1	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.03	--	0.03	0.002	0.1	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.02	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
ADA-101	0.06	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.08	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-102	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.007	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.0009	0.07	0.8	0.1	0.1	0.04	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-103	0.06	--	0.2	0.1	0.02	0.3	--	0.2	0.01	0.007	--	0.02	0.02	0.002	0.04	--	0.02	0.002	0.07	0.8	0.2	0.2	0.04	1	0.6	0.6	0.2	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-104	0.04	--	0.07	0.09	0.008	0.2	--	0.1	0.007	0.004	--	0.009	0.01	0.001	0.02	--	0.01	0.0008	0.05	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-105	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.08	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
ADA-106	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.008	0.004	--	0.01	0.01	0.001	0.02	--	0.01	0.001	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-107	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.007	--	0.02	0.01	0.001	0.03	--	0.02	0.002	0.07	0.8	0.1	0.1	0.03	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
ADA-108	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.07	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
ADA-109	0.08	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.1	0.8	0.09	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-110	0.06	--	0.08	0.08	0.03	0.1	--	0.2	0.02	0.007	--	0.009	0.01	0.003	0.02	--	0.02	0.002	0.07	0.8	0.09	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-111	0.05	--	0.1	0.1	0.009	0.2	--	0.2	0.009	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.06	0.8	0.1	0.1	0.03	1	0.6	0.6	0.1	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-112	0.05	--	0.1	0.1	0.008	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.06	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-113	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.07	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-114	0.07	--	0.09	0.1	0.007	0.3	--	0.2	0.007	0.008	--	0.01	0.01	0.0008	0.03	--	0.02	0.0009	0.08	0.8	0.09	0.1	0.03	1	0.6	0.6	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-115	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.008	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.07	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-116	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.006	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0007	0.07	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-117	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.08	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-118	0.06	--	0.1	0.1	0.01	0.3	--	0.2	0.02	0.007	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.07	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
ADA-119	0.06	--	0.1	0.09	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.07	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-121	0.08	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	--	0.01	0.01	0.002	0.03	--	0.03	0.002	0.09	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.02	0.03	0.01	0.6	0.2	0.2	0.1
ADA-122	0.04	--	0.08	0.09	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.05	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-124	0.05	--	0.05	0.06	0.02	0.1	--	0.1	0.009	0.005	--	0.005	0.007	0.003	0.01	--	0.02	0.001	0.06	0.8	0.05	0.09	0.05	1	0.6	0.5	0.1	0.01	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
ADA-125	0.07	--	0.05	0.06	0.02	0.1	--	0.2	0.007	0.008	--	0.006	0.007	0.002	0.01	--	0.02	0.0008	0.08	0.8	0.06	0.09	0.04	1	0.6	0.5	0.1	0.01	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
ADA-126	0.1	--	0.06	0.07	0.03	0.1	--	0.3	0.03	0.01	--	0.007	0.008	0.003	0.02	--	0.03	0.003	0.1	0.8	0.07	0.1	0.05	1	0.6	0.6	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-127	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.02	0.01	0.002	0.02	--	0.02	0.003	0.1	0.8	0.1	0.1	0.04	1	0.6	0.6	0.2	0.01	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
ADA-128	0.06	--	0.05	0.05	0.04	0.09	--	0.2	0.03	0.007	--	0.005	0.006	0.004	0.01	--	0.02	0.003	0.07	0.8	0.05	0.09	0.06	1	0.6	0.6	0.2	0.01	0.3	0.008	0.02	0.01	0.6	0.2	0.2	0.1
ADA-131	0.09	--	0.07	0.07	0.04	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.005	0.02	--	0.03	0.003	0.1	0.8	0.08	0.1	0.06	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-132	0.04	--	0.06	0.06	0.01	0.07	--	0.2	0.008	0.005	--	0.007	0.008	0.002	0.008	--	0.02	0.0009	0.05	0.8	0.06	0.1	0.04	1	0.6	0.5	0.1	0.009	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
ADA-133	0.08	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.09	0.8	0.09	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-135	0.03	--	0.07	0.07	0.01	0.08	--	0.1	0.01	0.004	--	0.008	0.009	0.001	0.01	--	0.01	0.001	0.05	0.8	0.08	0.1	0.04	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-136	0.07	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.08	0.8	0.09	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-139	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.09	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-140	0.1	--	0.07	0.09	0.04	0.07	--	0.3	0.03	0.01	--	0.008	0.01	0.005	0.009	--	0.04	0.003	0.1	0.8	0.08	0.1	0.07	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-141	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.08	0.8	0.1	0.1	0.04	1	0.6	0.6	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-142	0.1	--	0.07	0.08	0.06	0.2	--	0.3	0.04	0.01	--	0.008	0.01	0.007	0.02	--	0.03	0.005	0.1	0.8	0.08	0.1	0.08	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.02	0.6	0.2	0.2	0.1
ADA-143	0.07	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.008	--	0.009	0.01	0.004	0.02	--	0.02	0.002	0.08	0.8	0.09	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-144	0.2	--	0.07	0.08	0.1	0.2	--	0.5	0.06	0.02	--	0.008	0.01	0.01	0.02	--	0.05	0.008	0.2	0.8	0.08	0.1	0.1	1	0.6	0.9	0.2	0.03	0.3	0.01	0.02	0.02	0.6	0.2	0.2	0.1
ADA-145	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.09	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-146	0.09	--	0.07	0.08	0.03	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.004	0.02	--	0.03	0.003	0.1	0.8	0.08	0.1	0.06	1	0.6	0.6	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-147	0.1	--	0.05	0.07	0.1	0.1	--	0.3	0.04	0.02	--	0.006	0.009	0.01	0.01	--	0.04	0.005	0.1	0.8	0.06	0.1	0.1	1	0.6	0.7	0.2	0.02	0.3	0.009	0.02	0.02	0.6	0.2	0.2	0.1
ADA-148	0.08	--	0.06	0.07	0.03	0.09	--	0.2	0.02	0.009	--	0.007	0.009	0.003	0.01	--	0.03	0.002	0.09	0.8	0.07	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-150	0.1	--	0.07	0.07	0.06	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.007	0.02	--	0.04	0.004	0.1	0.8	0.07	0.1	0.08	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.02	0.6	0.2	0.2	0.1
ADA-151	0.08	--	0.06	0.08	0.04	0.07	--	0.3	0.02	0.01	--	0.007	0.009	0.005	0.008	--	0.03	0.002	0.1	0.8	0.07	0.1	0.06	1	0.6	0.7	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-152	0.1	--	0.1	0.1	0.02	0.2	--	0.3	0.02	0.02	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.2	0.8	0.1	0.1	0.05	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-153	0.1	--	0.1	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.8	0.1	0.1	0.06	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-154	0.1	--	0.1	0.09	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.1	0.8	0.1	0.1	0.05	1	0.6	0.6	0.2	0.02	0.3	0.02	0.02	0.01	0.6	0.2	0.2	0.1
ADA-155	0.09	--	0.05	0.07	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.005	0.02	--	0.03	0.002	0.1	0.8	0.06	0.1	0.07	1	0.6	0.6	0.2	0.02	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
ADA-156	0.06	--	0.07	0.08	0.04	0.1	--	0.2	0.02	0.007	--	0.008	0.009	0.004	0.02	--	0.02	0.002	0.07	0.8	0.07	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-158	0.09	--	0.06	0.07	0.05	0.09	--	0.3	0.02	0.01	--	0.007	0.009	0.006	0.01	--	0.03	0.003	0.1	0.8	0.07	0.1	0.07	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-159	0.09	--	0.1	0.09	0.06	0.2	--	0.3	0.04	0.01	--	0.01	0.01	0.007	0.02	--	0.03	0.004	0.1	0.8	0.1	0.1	0.08	1	0.6	0.6	0.2	0.02	0.3	0.02	0.02	0.02	0.6	0.2	0.2	0.1

Table 5-52. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Sucker

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-160	0.1	--	0.05	0.06	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.004	0.01	--	0.03	0.003	0.1	0.8	0.06	0.1	0.06	1	0.6	0.6	0.2	0.02	0.3	0.009	0.02	0.01	0.6	0.2	0.2	0.1
ADA-161	0.07	--	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	--	0.008	0.009	0.004	0.02	--	0.03	0.003	0.08	0.8	0.08	0.1	0.06	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-162	0.1	--	0.06	0.08	0.1	0.1	--	0.4	0.06	0.02	--	0.007	0.009	0.01	0.02	--	0.05	0.007	0.1	0.8	0.06	0.1	0.1	1	0.6	0.8	0.2	0.02	0.3	0.01	0.02	0.02	0.6	0.2	0.2	0.1
ADA-164	0.1	--	0.08	0.08	0.05	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.006	0.02	--	0.03	0.004	0.1	0.8	0.08	0.1	0.07	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-165	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.04	0.01	--	0.009	0.009	0.005	0.02	--	0.04	0.005	0.1	0.8	0.08	0.1	0.07	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-168	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.03	0.01	--	0.009	0.01	0.005	0.02	--	0.03	0.003	0.1	0.8	0.08	0.1	0.06	1	0.6	0.7	0.2	0.02	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-169	0.03	--	0.09	0.1	0.004	0.2	--	0.09	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.009	0.6	0.2	0.2	0.1
ADA-170	0.05	--	0.09	0.1	0.009	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.06	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-171	0.04	--	0.08	0.09	0.009	0.2	--	0.2	0.008	0.005	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.06	0.8	0.09	0.1	0.03	1	0.6	0.5	0.1	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-172	0.02	--	0.07	0.07	0.005	0.2	--	0.08	0.002	0.003	--	0.008	0.009	0.0006	0.02	--	0.009	0.0002	0.03	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.007	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-173	0.04	--	0.07	0.08	0.009	0.2	--	0.1	0.005	0.005	--	0.008	0.009	0.001	0.02	--	0.01	0.0005	0.05	0.8	0.08	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-174	0.04	--	0.06	0.07	0.01	0.2	--	0.1	0.008	0.005	--	0.007	0.008	0.001	0.02	--	0.01	0.0009	0.05	0.8	0.06	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-175	0.03	--	0.1	0.09	0.005	0.2	--	0.1	0.003	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0003	0.04	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.02	0.02	0.009	0.6	0.2	0.2	0.1
ADA-176	0.03	--	0.2	0.1	0.005	0.2	--	0.2	0.003	0.003	--	0.02	0.02	0.0006	0.03	--	0.02	0.0004	0.04	0.8	0.2	0.2	0.03	1	0.6	0.6	0.1	0.008	0.3	0.02	0.03	0.009	0.6	0.2	0.2	0.1
ADA-177	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.02	0.03	0.009	0.6	0.2	0.2	0.1
ADA-178	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.05	0.8	0.1	0.1	0.03	1	0.6	0.5	0.1	0.009	0.3	0.02	0.03	0.009	0.6	0.2	0.2	0.1
ADA-179	0.03	--	0.06	0.08	0.008	0.2	--	0.1	0.005	0.003	--	0.007	0.01	0.0009	0.02	--	0.01	0.0005	0.04	0.8	0.07	0.1	0.03	1	0.6	0.5	0.1	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-180	0.03	--	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	--	0.009	0.01	0.001	0.02	--	0.02	0.001	0.04	0.8	0.08	0.1	0.03	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-181	0.03	--	0.06	0.08	0.01	0.2	--	0.2	0.01	0.004	--	0.007	0.009	0.001	0.02	--	0.02	0.001	0.05	0.8	0.07	0.1	0.03	1	0.6	0.6	0.1	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-182	0.03	--	0.09	0.09	0.009	0.1	--	0.1	0.01	0.003	--	0.01	0.01	0.001	0.02	--	0.01	0.002	0.04	0.8	0.09	0.1	0.03	1	0.6	0.5	0.2	0.008	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-183	0.05	--	0.08	0.07	0.02	0.1	--	0.2	0.04	0.006	--	0.009	0.009	0.003	0.01	--	0.02	0.005	0.06	0.8	0.08	0.1	0.05	1	0.6	0.6	0.2	0.01	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1
ADA-184	0.03	--	0.08	0.08	0.009	0.2	--	0.1	0.03	0.004	--	0.01	0.009	0.001	0.02	--	0.01	0.003	0.05	0.8	0.09	0.1	0.03	1	0.6	0.5	0.2	0.009	0.3	0.01	0.02	0.01	0.6	0.2	0.2	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-53. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Walleye

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
Indoor Air	--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																
Outdoor Air	--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02	**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**									**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Walleye)	0.3	0.5	0.3	0.005	0.03	0.5	0.2	1	--	0.1	0.2	0.1	0.002	0.01	0.2	0.06	0.4	--																
Upland Soil/Dust[a]	**Number of ADAs that exceed benchmark[c] for Soil/Dust:**									**Number of ADAs that exceed benchmark[c] for Soil/Dust:**																										
ADA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
ADA-001	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.006	--	0.01	0.01	0.003	0.02	--	0.02	0.003	0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-002	0.05	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.05	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-004	0.06	--	0.07	0.08	0.02	0.1	--	0.2	0.02	0.007	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.3	0.5	0.3	0.09	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-005	0.07	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.009	--	0.01	0.01	0.003	0.01	--	0.03	0.001	0.3	0.5	0.4	0.1	0.05	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-006	0.07	--	0.08	0.09	0.03	0.1	--	0.2	0.02	0.008	--	0.009	0.01	0.003	0.02	--	0.02	0.003	0.3	0.5	0.4	0.09	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-008	0.08	--	0.08	0.1	0.03	0.1	--	0.2	0.02	0.01	--	0.009	0.01	0.004	0.02	--	0.03	0.002	0.4	0.5	0.4	0.1	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-010	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.04	--	0.04	0.005	0.4	0.5	0.4	0.1	0.07	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-015	0.04	--	0.05	0.06	0.01	0.1	--	0.1	0.01	0.005	--	0.006	0.008	0.002	0.01	--	0.02	0.001	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
ADA-016	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.02	0.007	--	0.007	0.008	0.002	0.02	--	0.02	0.002	0.3	0.5	0.3	0.07	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-017	0.08	--	0.06	0.08	0.03	0.1	--	0.2	0.02	0.01	--	0.008	0.009	0.004	0.02	--	0.03	0.002	0.4	0.5	0.3	0.08	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-018	0.05	--	0.06	0.08	0.04	0.1	--	0.2	0.03	0.006	--	0.007	0.009	0.005	0.02	--	0.03	0.003	0.3	0.5	0.3	0.08	0.07	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
ADA-019	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.02	0.001	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-020	0.04	--	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-021	0.1	--	0.2	0.1	0.02	0.2	--	0.2	0.01	0.01	--	0.03	0.02	0.002	0.02	--	0.02	0.001	0.4	0.5	0.5	0.2	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-023	0.07	--	0.1	0.09	0.02	0.1	--	0.2	0.03	0.009	--	0.01	0.01	0.002	0.01	--	0.03	0.003	0.4	0.5	0.4	0.09	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-024	0.1	--	0.06	0.08	0.04	0.2	--	0.3	0.03	0.01	--	0.007	0.009	0.005	0.02	--	0.03	0.004	0.4	0.5	0.3	0.08	0.07	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
ADA-025	0.07	--	0.06	0.07	0.02	0.2	--	0.2	0.03	0.008	--	0.007	0.008	0.002	0.02	--	0.02	0.003	0.3	0.5	0.3	0.07	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-026	0.04	--	0.07	0.08	0.01	0.1	--	0.1	0.02	0.005	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-028	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.007	--	0.007	0.008	0.002	0.01	--	0.02	0.002	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-033	0.05	--	0.06	0.07	0.007	0.2	--	0.2	0.01	0.005	--	0.007	0.009	0.0008	0.02	--	0.02	0.002	0.3	0.5	0.3	0.08	0.03	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-034	0.04	--	0.08	0.1	0.008	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-035	0.06	--	0.06	0.08	0.01	0.2	--	0.2	0.02	0.007	--	0.007	0.009	0.002	0.02	--	0.02	0.002	0.3	0.5	0.3	0.08	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-039	0.03	--	0.07	0.07	0.005	0.2	--	0.1	0.01	0.003	--	0.008	0.009	0.0006	0.02	--	0.01	0.002	0.3	0.5	0.3	0.08	0.03	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-042	0.04	--	0.07	0.09	0.01	0.1	--	0.1	0.005	0.005	--	0.008	0.01	0.001	0.01	--	0.01	0.0006	0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-043	0.05	--	0.2	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.02	0.02	0.003	0.03	--	0.02	0.003	0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-044	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.05	0.007	--	0.02	0.01	0.001	0.03	--	0.03	0.005	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-045	0.1	--	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.4	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-046	0.05	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.006	--	0.007	0.008	0.002	0.01	--	0.02	0.001	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-047	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.4	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-048	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-049	0.04	--	0.09	0.1	0.007	0.2	--	0.2	0.02	0.005	--	0.01	0.01	0.0008	0.02	--	0.02	0.002	0.3	0.5	0.4	0.1	0.03	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-050	0.1	--	0.2	0.1	0.03	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.02	--	0.04	0.005	0.4	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-051	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.03	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.003	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-052	0.08	--	0.1	0.1	0.03	0.2	--	0.3	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.4	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-053	0.04	--	0.1	0.1	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0009	0.03	--	0.02	0.0007	0.3	0.5	0.4	0.1	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-054	0.1	--	0.1	0.09	0.06	0.2	--	0.3	0.05	0.02	--	0.01	0.01	0.006	0.02	--	0.04	0.005	0.4	0.5	0.4	0.09	0.08	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
ADA-055	0.07	--	0.09	0.1	0.02	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.002	0.03	--	0.03	0.004	0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-056	0.04	--	0.1	0.1	0.006	0.2	--	0.1	0.006	0.005	--	0.01	0.01	0.0007	0.03	--	0.02	0.0007	0.3	0.5	0.4	0.1	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-057	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.004	--	0.02	0.01	0.002	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-058	0.03	--	0.1	0.1	0.005	0.2	--	0.1	0.006	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0007	0.3	0.5	0.4	0.1	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-059	0.04	--	0.1	0.1	0.01	0.3	--	0.2	0.01	0.004	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-060	0.1	--	0.2	0.1	0.04	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.03	--	0.04	0.004	0.4	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-061	0.04	--	0.2	0.1	0.006	0.3	--	0.2	0.009	0.004	--	0.02	0.02	0.0007	0.04	--	0.02	0.001	0.3	0.5	0.4	0.1	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-062	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.4	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-063	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.002	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-064	0.06	--	0.1	0.1	0.008	0.3	--	0.2	0.009	0.007	--	0.02	0.02	0.001	0.04	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-065	0.08	--	0.08	0.09	0.04	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.003	0.4	0.5	0.4	0.09	0.07	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
ADA-066	0.05	--	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	--	0.009	0.01	0.002	0.02	--	0.02	0.002	0.3	0.5	0.3	0.09	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-067	0.04	--	0.1	0.1	0.009	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.001	0.03	--	0.02	0.003	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-070	0.09	--	0.1	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.4	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-071	0.07	--	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-073	0.09	--	0.08	0.09	0.04	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.002	0.4	0.5	0.4	0.09	0.07	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
ADA-076	0.1	--	0.09	0.1	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.004	0.4	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-078	0.09	--	0.09	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.4	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-079	0.05	--	0.07	0.07	0.02	0.2	--	0.1	0.03	0.006	--	0.009	0.009	0.002	0.02	--	0.02	0.004	0.3	0.5	0.3	0.08	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-081	0.07	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-082	0.06	--	0.1	0.09	0.02	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-084	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.006	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1

Table 5-53. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Walleye

	Total HI Across COPCs by Pathway																	Total HI Across Pathways														
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System														
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-085	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.002	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-088	0.09	--	0.2	0.1	0.03	0.3	--	0.2	0.03	0.01	--	0.02	0.02	0.003	0.03	--	0.03	0.003	0.4	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-089	0.1	--	0.1	0.1	0.03	0.3	--	0.2	0.02	0.01	--	0.02	0.01	0.003	0.04	--	0.03	0.003	0.4	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-090	0.05	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.006	--	0.01	0.01	0.003	0.03	--	0.02	0.002	0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-091	0.09	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.4	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-092	0.09	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.002	0.03	--	0.03	0.003	0.4	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-093	0.07	--	0.09	0.1	0.01	0.3	--	0.2	0.01	0.009	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.4	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-094	0.05	--	0.1	0.1	0.01	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-095	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.009	0.009	--	0.02	0.01	0.002	0.03	--	0.02	0.001	0.4	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-096	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.03	--	0.02	0.003	0.4	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-097	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.03	--	0.03	0.005	0.4	0.5	0.4	0.1	0.07	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
ADA-099	0.1	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.03	--	0.03	0.002	0.4	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-101	0.06	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-102	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.007	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.0009	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-103	0.06	--	0.2	0.1	0.02	0.3	--	0.2	0.01	0.007	--	0.02	0.02	0.002	0.04	--	0.02	0.002	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-104	0.04	--	0.07	0.09	0.008	0.2	--	0.1	0.007	0.004	--	0.009	0.01	0.001	0.02	--	0.01	0.0008	0.3	0.5	0.3	0.09	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-105	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.3	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-106	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.008	0.004	--	0.01	0.01	0.001	0.02	--	0.01	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-107	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.007	--	0.02	0.01	0.001	0.03	--	0.02	0.002	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-108	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-109	0.08	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.4	0.5	0.4	0.09	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-110	0.06	--	0.08	0.08	0.03	0.1	--	0.2	0.02	0.007	--	0.009	0.01	0.003	0.02	--	0.02	0.002	0.3	0.5	0.4	0.09	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-111	0.05	--	0.1	0.1	0.009	0.2	--	0.2	0.009	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-112	0.05	--	0.1	0.1	0.008	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-113	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-114	0.07	--	0.09	0.1	0.007	0.3	--	0.2	0.007	0.008	--	0.01	0.01	0.0008	0.03	--	0.02	0.0009	0.3	0.5	0.4	0.1	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-115	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.008	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.3	0.5	0.3	0.09	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-116	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.006	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0007	0.3	0.5	0.3	0.09	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-117	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.3	0.5	0.4	0.09	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-118	0.06	--	0.1	0.1	0.01	0.3	--	0.2	0.02	0.007	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-119	0.06	--	0.1	0.09	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-121	0.08	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	--	0.01	0.01	0.002	0.03	--	0.03	0.002	0.4	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-122	0.04	--	0.08	0.09	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.3	0.5	0.4	0.09	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-124	0.05	--	0.05	0.06	0.02	0.1	--	0.1	0.009	0.005	--	0.005	0.007	0.003	0.01	--	0.02	0.001	0.3	0.5	0.3	0.06	0.05	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
ADA-125	0.07	--	0.05	0.06	0.02	0.1	--	0.2	0.007	0.008	--	0.006	0.007	0.002	0.01	--	0.02	0.0008	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
ADA-126	0.1	--	0.06	0.07	0.03	0.1	--	0.3	0.03	0.01	--	0.007	0.008	0.003	0.02	--	0.03	0.003	0.4	0.5	0.3	0.08	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-127	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.02	0.01	0.002	0.02	--	0.02	0.003	0.4	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-128	0.06	--	0.05	0.05	0.04	0.09	--	0.2	0.03	0.007	--	0.005	0.006	0.004	0.01	--	0.02	0.003	0.3	0.5	0.3	0.06	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.008	0.01	0.5	0.06	0.4	0.1
ADA-131	0.09	--	0.07	0.07	0.04	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.005	0.02	--	0.03	0.003	0.4	0.5	0.3	0.08	0.07	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-132	0.04	--	0.06	0.06	0.01	0.07	--	0.2	0.008	0.005	--	0.007	0.008	0.002	0.008	--	0.02	0.0009	0.3	0.5	0.3	0.07	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
ADA-133	0.08	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.4	0.5	0.4	0.09	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-135	0.03	--	0.07	0.07	0.01	0.08	--	0.1	0.01	0.004	--	0.008	0.009	0.001	0.01	--	0.01	0.001	0.3	0.5	0.3	0.08	0.04	0.9	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-136	0.07	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.3	0.5	0.4	0.09	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-139	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.4	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-140	0.1	--	0.07	0.09	0.04	0.07	--	0.3	0.03	0.01	--	0.008	0.01	0.005	0.009	--	0.04	0.003	0.4	0.5	0.3	0.1	0.07	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
ADA-141	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-142	0.1	--	0.07	0.08	0.06	0.2	--	0.3	0.04	0.01	--	0.008	0.01	0.007	0.02	--	0.03	0.005	0.4	0.5	0.3	0.09	0.08	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
ADA-143	0.07	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.008	--	0.009	0.01	0.004	0.02	--	0.02	0.002	0.3	0.5	0.4	0.09	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-144	0.2	--	0.07	0.08	0.1	0.2	--	0.5	0.06	0.02	--	0.008	0.01	0.01	0.02	--	0.05	0.008	0.5	0.5	0.3	0.09	0.1	1	0.2	2	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
ADA-145	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.4	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-146	0.09	--	0.07	0.08	0.03	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.004	0.02	--	0.03	0.003	0.4	0.5	0.3	0.08	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-147	0.1	--	0.05	0.07	0.1	0.1	--	0.3	0.04	0.02	--	0.006	0.009	0.01	0.01	--	0.04	0.005	0.4	0.5	0.3	0.08	0.1	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
ADA-148	0.08	--	0.06	0.07	0.03	0.09	--	0.2	0.02	0.009	--	0.007	0.009	0.003	0.01	--	0.03	0.002	0.4	0.5	0.3	0.08	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-150	0.1	--	0.07	0.07	0.06	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.007	0.02	--	0.04	0.004	0.4	0.5	0.3	0.08	0.08	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
ADA-151	0.08	--	0.06	0.08	0.04	0.07	--	0.3	0.02	0.01	--	0.007	0.009	0.005	0.008	--	0.03	0.002	0.4	0.5	0.3	0.08	0.07	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
ADA-152	0.1	--	0.1	0.1	0.02	0.2	--	0.3	0.02	0.02	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.4	0.5	0.4	0.1	0.05	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-153	0.1	--	0.1	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.4	0.5	0.4	0.1	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-154	0.1	--	0.1	0.09	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.4	0.5	0.4	0.09	0.06	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-155	0.09	--	0.05	0.07	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.005	0.02	--	0.03	0.002	0.4	0.5	0.3	0.07	0.07	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
ADA-156	0.06	--	0.07	0.08	0.04	0.1	--	0.2	0.02	0.007	--	0.008	0.009	0.004	0.02	--	0.02	0.002	0.3	0.5	0.3	0.08	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-158	0.09	--	0.06	0.07	0.05	0.09	--	0.3	0.02	0.01	--	0.007	0.009	0.006	0.01	--	0.03	0.003	0.4	0.5	0.3	0.08	0.08	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
ADA-159	0.09	--	0.1	0.09	0.06	0.2	--	0.3	0.04	0.01	--	0.01	0.01	0.007	0.02	--	0.03	0.004	0.4	0.5	0.4	0.09	0.08	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1

Table 5-53. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Walleye

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-160	0.1	--	0.05	0.06	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.004	0.01	--	0.03	0.003	0.4	0.5	0.3	0.07	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.009	0.01	0.5	0.06	0.4	0.1
ADA-161	0.07	--	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	--	0.008	0.009	0.004	0.02	--	0.03	0.003	0.3	0.5	0.3	0.08	0.06	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-162	0.1	--	0.06	0.08	0.1	0.1	--	0.4	0.06	0.02	--	0.007	0.009	0.01	0.02	--	0.05	0.007	0.4	0.5	0.3	0.08	0.1	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
ADA-164	0.1	--	0.08	0.08	0.05	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.006	0.02	--	0.03	0.004	0.4	0.5	0.3	0.09	0.08	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
ADA-165	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.04	0.01	--	0.009	0.009	0.005	0.02	--	0.04	0.005	0.4	0.5	0.3	0.08	0.07	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.02	0.5	0.06	0.4	0.1
ADA-168	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.03	0.01	--	0.009	0.01	0.005	0.02	--	0.03	0.003	0.4	0.5	0.3	0.09	0.07	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-169	0.03	--	0.09	0.1	0.004	0.2	--	0.09	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.3	0.5	0.4	0.1	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-170	0.05	--	0.09	0.1	0.009	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-171	0.04	--	0.08	0.09	0.009	0.2	--	0.2	0.008	0.005	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.3	0.5	0.4	0.1	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-172	0.02	--	0.07	0.07	0.005	0.2	--	0.08	0.002	0.003	--	0.008	0.009	0.0006	0.02	--	0.009	0.0002	0.3	0.5	0.3	0.08	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-173	0.04	--	0.07	0.08	0.009	0.2	--	0.1	0.005	0.005	--	0.008	0.009	0.001	0.02	--	0.01	0.0005	0.3	0.5	0.3	0.08	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-174	0.04	--	0.06	0.07	0.01	0.2	--	0.1	0.008	0.005	--	0.007	0.008	0.001	0.02	--	0.01	0.0009	0.3	0.5	0.3	0.07	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-175	0.03	--	0.1	0.09	0.005	0.2	--	0.1	0.003	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0003	0.3	0.5	0.4	0.1	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-176	0.03	--	0.2	0.1	0.005	0.2	--	0.2	0.003	0.003	--	0.02	0.02	0.0006	0.03	--	0.02	0.0004	0.3	0.5	0.4	0.1	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-177	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.3	0.5	0.4	0.1	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-178	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.3	0.5	0.4	0.1	0.03	1	0.2	1	0.1	0.1	0.2	0.1	0.02	0.01	0.5	0.06	0.4	0.1
ADA-179	0.03	--	0.06	0.08	0.008	0.2	--	0.1	0.005	0.003	--	0.007	0.01	0.0009	0.02	--	0.01	0.0005	0.3	0.5	0.3	0.09	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-180	0.03	--	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	--	0.009	0.01	0.001	0.02	--	0.02	0.001	0.3	0.5	0.3	0.09	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-181	0.03	--	0.06	0.08	0.01	0.2	--	0.2	0.01	0.004	--	0.007	0.009	0.001	0.02	--	0.02	0.001	0.3	0.5	0.3	0.08	0.04	1	0.2	1	0.1	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-182	0.03	--	0.09	0.09	0.009	0.1	--	0.1	0.01	0.003	--	0.01	0.01	0.001	0.02	--	0.01	0.002	0.3	0.5	0.4	0.1	0.04	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-183	0.05	--	0.08	0.07	0.02	0.1	--	0.2	0.04	0.006	--	0.009	0.009	0.003	0.01	--	0.02	0.005	0.3	0.5	0.3	0.08	0.05	0.9	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1
ADA-184	0.03	--	0.08	0.08	0.009	0.2	--	0.1	0.03	0.004	--	0.01	0.009	0.001	0.02	--	0.01	0.003	0.3	0.5	0.4	0.08	0.04	1	0.2	1	0.2	0.1	0.2	0.1	0.01	0.01	0.5	0.06	0.4	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-54. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Whitefish

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
Indoor Air	--	--	--	--	--	0.3	--	--	0.1	--	--	--	--	--	0.2	--	--	0.1																
Outdoor Air	--	--	--	--	--	0.02	--	--	0.009	--	--	--	--	--	0.04	--	--	0.02	**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**									**Number of ADAs that exceed benchmark[c] when risk is summed across pathways:**								
Fish (Whitefish)	0.05	0.3	0.04	0.02	0.02	0.3	0.6	0.5	--	0.02	0.1	0.02	0.007	0.008	0.1	0.2	0.2	--																
Upland Soil/Dust[a]	**Number of ADAs that exceed benchmark[c] for Soil/Dust:**									**Number of ADAs that exceed benchmark[c] for Soil/Dust:**																										
ADA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADA-001	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.006	--	0.01	0.01	0.003	0.02	--	0.02	0.003	0.1	0.3	0.2	0.1	0.04	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-002	0.05	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.1	0.3	0.1	0.1	0.04	0.7	0.6	0.7	0.1	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-004	0.06	--	0.07	0.08	0.02	0.1	--	0.2	0.02	0.007	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
ADA-005	0.07	--	0.1	0.1	0.02	0.1	--	0.2	0.01	0.009	--	0.01	0.01	0.003	0.01	--	0.03	0.001	0.1	0.3	0.1	0.1	0.05	0.7	0.6	0.7	0.1	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-006	0.07	--	0.08	0.09	0.03	0.1	--	0.2	0.02	0.008	--	0.009	0.01	0.003	0.02	--	0.02	0.003	0.1	0.3	0.1	0.1	0.05	0.7	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-008	0.08	--	0.08	0.1	0.03	0.1	--	0.2	0.02	0.01	--	0.009	0.01	0.004	0.02	--	0.03	0.002	0.1	0.3	0.1	0.1	0.05	0.7	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-010	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.04	--	0.04	0.005	0.2	0.3	0.2	0.1	0.06	0.9	0.6	0.8	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-015	0.04	--	0.05	0.06	0.01	0.1	--	0.1	0.01	0.005	--	0.006	0.008	0.002	0.01	--	0.02	0.001	0.09	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
ADA-016	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.02	0.007	--	0.007	0.008	0.002	0.02	--	0.02	0.002	0.1	0.3	0.1	0.09	0.04	0.7	0.6	0.6	0.2	0.03	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
ADA-017	0.08	--	0.06	0.08	0.03	0.1	--	0.2	0.02	0.01	--	0.008	0.009	0.004	0.02	--	0.03	0.002	0.1	0.3	0.1	0.1	0.05	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
ADA-018	0.05	--	0.06	0.08	0.04	0.1	--	0.2	0.03	0.006	--	0.007	0.009	0.005	0.02	--	0.03	0.003	0.1	0.3	0.1	0.09	0.07	0.7	0.6	0.7	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
ADA-019	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.02	0.001	0.02	--	0.02	0.001	0.1	0.3	0.2	0.1	0.03	0.8	0.6	0.6	0.1	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-020	0.04	--	0.09	0.09	0.01	0.1	--	0.1	0.009	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.001	0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-021	0.1	--	0.2	0.1	0.02	0.2	--	0.2	0.01	0.01	--	0.03	0.02	0.002	0.02	--	0.02	0.001	0.2	0.3	0.3	0.2	0.04	0.8	0.6	0.7	0.1	0.03	0.1	0.04	0.02	0.01	0.4	0.2	0.2	0.1
ADA-023	0.07	--	0.1	0.09	0.02	0.1	--	0.2	0.03	0.009	--	0.01	0.01	0.002	0.01	--	0.03	0.003	0.1	0.3	0.1	0.1	0.04	0.7	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-024	0.1	--	0.06	0.08	0.04	0.2	--	0.3	0.03	0.01	--	0.007	0.009	0.005	0.02	--	0.03	0.004	0.2	0.3	0.1	0.1	0.06	0.8	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
ADA-025	0.07	--	0.06	0.07	0.02	0.2	--	0.2	0.03	0.008	--	0.007	0.008	0.002	0.02	--	0.02	0.003	0.1	0.3	0.1	0.09	0.04	0.8	0.6	0.7	0.2	0.03	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
ADA-026	0.04	--	0.07	0.08	0.01	0.1	--	0.1	0.02	0.005	--	0.008	0.01	0.002	0.02	--	0.02	0.002	0.09	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
ADA-028	0.06	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.007	--	0.007	0.008	0.002	0.01	--	0.02	0.002	0.1	0.3	0.1	0.08	0.04	0.7	0.6	0.6	0.2	0.03	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
ADA-033	0.05	--	0.06	0.07	0.007	0.2	--	0.2	0.01	0.005	--	0.007	0.009	0.0008	0.02	--	0.02	0.002	0.1	0.3	0.1	0.09	0.03	0.8	0.6	0.7	0.2	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
ADA-034	0.04	--	0.08	0.1	0.008	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-035	0.06	--	0.06	0.08	0.01	0.2	--	0.2	0.02	0.007	--	0.007	0.009	0.002	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.2	0.03	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
ADA-039	0.03	--	0.07	0.07	0.005	0.2	--	0.1	0.01	0.003	--	0.008	0.009	0.0006	0.02	--	0.01	0.002	0.08	0.3	0.1	0.09	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
ADA-042	0.04	--	0.07	0.09	0.01	0.1	--	0.1	0.005	0.005	--	0.008	0.01	0.001	0.01	--	0.01	0.0006	0.09	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
ADA-043	0.05	--	0.2	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.02	0.02	0.003	0.03	--	0.02	0.003	0.1	0.3	0.2	0.2	0.04	0.8	0.6	0.6	0.2	0.03	0.1	0.04	0.02	0.01	0.4	0.2	0.2	0.1
ADA-044	0.06	--	0.1	0.1	0.01	0.2	--	0.2	0.05	0.007	--	0.02	0.01	0.001	0.03	--	0.03	0.005	0.1	0.3	0.2	0.1	0.03	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-045	0.1	--	0.08	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.2	0.3	0.1	0.1	0.05	0.8	0.6	0.8	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-046	0.05	--	0.06	0.07	0.02	0.1	--	0.2	0.01	0.006	--	0.007	0.008	0.002	0.01	--	0.02	0.001	0.1	0.3	0.1	0.09	0.04	0.7	0.6	0.6	0.2	0.03	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
ADA-047	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-048	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.09	0.3	0.2	0.1	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-049	0.04	--	0.09	0.1	0.007	0.2	--	0.2	0.02	0.005	--	0.01	0.01	0.0008	0.02	--	0.02	0.002	0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-050	0.1	--	0.2	0.1	0.03	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.02	--	0.04	0.005	0.2	0.3	0.2	0.1	0.06	0.8	0.6	0.8	0.2	0.03	0.1	0.04	0.02	0.01	0.4	0.2	0.2	0.1
ADA-051	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.03	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.003	0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-052	0.08	--	0.1	0.1	0.03	0.2	--	0.3	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.3	0.2	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-053	0.04	--	0.1	0.1	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0009	0.03	--	0.02	0.0007	0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-054	0.1	--	0.1	0.09	0.06	0.2	--	0.3	0.05	0.02	--	0.01	0.01	0.006	0.02	--	0.04	0.005	0.2	0.3	0.1	0.1	0.08	0.8	0.6	0.8	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-055	0.07	--	0.09	0.1	0.02	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.002	0.03	--	0.03	0.004	0.1	0.3	0.1	0.1	0.04	0.9	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-056	0.04	--	0.1	0.1	0.006	0.2	--	0.1	0.006	0.005	--	0.01	0.01	0.0007	0.03	--	0.02	0.0007	0.09	0.3	0.2	0.1	0.03	0.9	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-057	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.004	--	0.02	0.01	0.002	0.02	--	0.02	0.001	0.09	0.3	0.2	0.1	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-058	0.03	--	0.1	0.1	0.005	0.2	--	0.1	0.006	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0007	0.08	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
ADA-059	0.04	--	0.1	0.1	0.01	0.3	--	0.2	0.01	0.004	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.09	0.3	0.2	0.1	0.03	0.9	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-060	0.1	--	0.2	0.1	0.04	0.2	--	0.3	0.04	0.01	--	0.02	0.01	0.004	0.03	--	0.04	0.004	0.2	0.3	0.2	0.1	0.06	0.8	0.6	0.8	0.2	0.03	0.1	0.04	0.02	0.01	0.4	0.2	0.2	0.1
ADA-061	0.04	--	0.2	0.1	0.006	0.3	--	0.2	0.009	0.004	--	0.02	0.02	0.0007	0.04	--	0.02	0.001	0.09	0.3	0.2	0.2	0.03	0.9	0.6	0.7	0.1	0.02	0.1	0.04	0.02	0.009	0.4	0.2	0.2	0.1
ADA-062	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-063	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.002	0.1	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-064	0.06	--	0.1	0.1	0.008	0.3	--	0.2	0.009	0.007	--	0.02	0.02	0.001	0.04	--	0.02	0.001	0.1	0.3	0.2	0.1	0.03	0.9	0.6	0.7	0.1	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-065	0.08	--	0.08	0.09	0.04	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.003	0.1	0.3	0.1	0.1	0.06	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-066	0.05	--	0.08	0.09	0.01	0.1	--	0.1	0.01	0.005	--	0.009	0.01	0.002	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.04	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-067	0.04	--	0.1	0.1	0.009	0.2	--	0.1	0.02	0.005	--	0.01	0.01	0.001	0.03	--	0.02	0.003	0.09	0.3	0.2	0.1	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-070	0.09	--	0.1	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-071	0.07	--	0.08	0.1	0.03	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-073	0.09	--	0.08	0.09	0.04	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.005	0.02	--	0.03	0.002	0.1	0.3	0.1	0.1	0.06	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-076	0.1	--	0.09	0.1	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.004	0.2	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-078	0.09	--	0.09	0.1	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-079	0.05	--	0.07	0.07	0.02	0.2	--	0.1	0.03	0.006	--	0.009	0.009	0.002	0.02	--	0.02	0.004	0.1	0.3	0.1	0.09	0.04	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-081	0.07	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-082	0.06	--	0.1	0.09	0.02	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-084	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.006	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.1	0.3	0.2	0.1	0.04	0.9	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1

Table 5-54. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Whitefish

	Total HI Across COPCs by Pathway																	Total HI Across Pathways															
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System															
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-085	0.04	--	0.1	0.1	0.01	0.2	--	0.2	0.01	0.005	--	0.01	0.01	0.001	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.03	0.8	0.6	0.7	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-088	0.09	--	0.2	0.1	0.03	0.3	--	0.2	0.03	0.01	--	0.02	0.02	0.003	0.03	--	0.03	0.003	0.1	0.3	0.2	0.1	0.05	0.9	0.6	0.7	0.2	0.03	0.1	0.04	0.02	0.01	0.4	0.2	0.2	0.1
ADA-089	0.1	--	0.1	0.1	0.03	0.3	--	0.2	0.02	0.01	--	0.02	0.01	0.003	0.04	--	0.03	0.003	0.2	0.3	0.2	0.1	0.05	0.9	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-090	0.05	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.006	--	0.01	0.01	0.003	0.03	--	0.02	0.002	0.1	0.3	0.1	0.1	0.04	0.9	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-091	0.09	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.3	0.2	0.1	0.04	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-092	0.09	--	0.1	0.1	0.01	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.002	0.03	--	0.03	0.003	0.1	0.3	0.1	0.1	0.04	0.9	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-093	0.07	--	0.09	0.1	0.01	0.3	--	0.2	0.01	0.009	--	0.01	0.01	0.002	0.03	--	0.02	0.001	0.1	0.3	0.1	0.1	0.03	0.9	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-094	0.05	--	0.1	0.1	0.01	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0007	0.1	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-095	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.009	0.009	--	0.02	0.01	0.002	0.03	--	0.02	0.001	0.1	0.3	0.2	0.1	0.04	0.9	0.6	0.7	0.1	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-096	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.03	--	0.02	0.003	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-097	0.1	--	0.1	0.1	0.04	0.3	--	0.3	0.04	0.01	--	0.01	0.01	0.005	0.03	--	0.03	0.005	0.2	0.3	0.2	0.1	0.06	0.9	0.6	0.8	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-099	0.1	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.03	--	0.03	0.002	0.1	0.3	0.2	0.1	0.04	0.9	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-101	0.06	--	0.1	0.1	0.03	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.003	0.02	--	0.02	0.001	0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-102	0.05	--	0.1	0.1	0.01	0.2	--	0.2	0.007	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.0009	0.1	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-103	0.06	--	0.2	0.1	0.02	0.3	--	0.2	0.01	0.007	--	0.02	0.02	0.002	0.04	--	0.02	0.002	0.1	0.3	0.2	0.2	0.04	0.9	0.6	0.7	0.2	0.03	0.1	0.04	0.02	0.01	0.4	0.2	0.2	0.1
ADA-104	0.04	--	0.07	0.09	0.008	0.2	--	0.1	0.007	0.004	--	0.009	0.01	0.001	0.02	--	0.01	0.0008	0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-105	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.1	0.3	0.2	0.1	0.04	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-106	0.04	--	0.1	0.1	0.01	0.2	--	0.1	0.008	0.004	--	0.01	0.01	0.001	0.02	--	0.01	0.001	0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-107	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.007	--	0.02	0.01	0.001	0.03	--	0.02	0.002	0.1	0.3	0.2	0.1	0.03	0.9	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-108	0.05	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.006	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.1	0.3	0.2	0.1	0.04	0.8	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-109	0.08	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.1	0.3	0.1	0.1	0.06	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-110	0.06	--	0.08	0.08	0.03	0.1	--	0.2	0.02	0.007	--	0.009	0.01	0.003	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.05	0.7	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-111	0.05	--	0.1	0.1	0.009	0.2	--	0.2	0.009	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.1	0.3	0.2	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-112	0.05	--	0.1	0.1	0.008	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.1	0.3	0.2	0.1	0.03	0.9	0.6	0.6	0.1	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-113	0.06	--	0.1	0.1	0.009	0.3	--	0.2	0.01	0.006	--	0.01	0.01	0.001	0.03	--	0.02	0.001	0.1	0.3	0.1	0.1	0.03	0.9	0.6	0.6	0.1	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-114	0.07	--	0.09	0.1	0.007	0.3	--	0.2	0.007	0.008	--	0.01	0.01	0.0008	0.03	--	0.02	0.0009	0.1	0.3	0.1	0.1	0.03	0.9	0.6	0.6	0.1	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-115	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.008	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.1	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-116	0.06	--	0.07	0.08	0.01	0.2	--	0.1	0.006	0.007	--	0.009	0.01	0.001	0.02	--	0.02	0.0007	0.1	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-117	0.07	--	0.09	0.09	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-118	0.06	--	0.1	0.1	0.01	0.3	--	0.2	0.02	0.007	--	0.01	0.01	0.002	0.03	--	0.02	0.002	0.1	0.3	0.2	0.1	0.03	0.9	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-119	0.06	--	0.1	0.09	0.01	0.2	--	0.2	0.01	0.007	--	0.01	0.01	0.002	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-121	0.08	--	0.1	0.1	0.02	0.3	--	0.2	0.02	0.009	--	0.01	0.01	0.002	0.03	--	0.03	0.002	0.1	0.3	0.2	0.1	0.04	0.9	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-122	0.04	--	0.08	0.09	0.007	0.2	--	0.1	0.006	0.004	--	0.01	0.01	0.0008	0.02	--	0.01	0.0007	0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-124	0.05	--	0.05	0.06	0.02	0.1	--	0.1	0.009	0.005	--	0.005	0.007	0.003	0.01	--	0.02	0.001	0.1	0.3	0.09	0.08	0.04	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
ADA-125	0.07	--	0.05	0.06	0.02	0.1	--	0.2	0.007	0.008	--	0.006	0.007	0.002	0.01	--	0.02	0.0008	0.1	0.3	0.09	0.08	0.04	0.7	0.6	0.6	0.1	0.03	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
ADA-126	0.1	--	0.06	0.07	0.03	0.1	--	0.3	0.03	0.01	--	0.007	0.008	0.003	0.02	--	0.03	0.003	0.2	0.3	0.1	0.09	0.05	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
ADA-127	0.08	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.01	--	0.02	0.01	0.002	0.02	--	0.02	0.003	0.1	0.3	0.2	0.1	0.04	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-128	0.06	--	0.05	0.05	0.04	0.09	--	0.2	0.03	0.007	--	0.005	0.006	0.004	0.01	--	0.02	0.003	0.1	0.3	0.09	0.07	0.06	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
ADA-131	0.09	--	0.07	0.07	0.04	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.005	0.02	--	0.03	0.003	0.1	0.3	0.1	0.09	0.06	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
ADA-132	0.04	--	0.06	0.06	0.01	0.07	--	0.2	0.008	0.005	--	0.007	0.008	0.002	0.008	--	0.02	0.0009	0.09	0.3	0.1	0.08	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
ADA-133	0.08	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.01	--	0.01	0.01	0.003	0.02	--	0.03	0.003	0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-135	0.03	--	0.07	0.07	0.01	0.08	--	0.1	0.01	0.004	--	0.008	0.009	0.001	0.01	--	0.01	0.001	0.08	0.3	0.1	0.09	0.03	0.7	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-136	0.07	--	0.09	0.09	0.04	0.2	--	0.2	0.03	0.008	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.1	0.3	0.1	0.1	0.06	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-139	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.02	0.009	--	0.01	0.01	0.003	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-140	0.1	--	0.07	0.09	0.04	0.07	--	0.3	0.03	0.01	--	0.008	0.01	0.005	0.009	--	0.04	0.003	0.2	0.3	0.1	0.1	0.06	0.7	0.6	0.8	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
ADA-141	0.07	--	0.1	0.1	0.02	0.2	--	0.2	0.01	0.008	--	0.01	0.01	0.002	0.02	--	0.02	0.001	0.1	0.3	0.1	0.1	0.04	0.8	0.6	0.7	0.1	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-142	0.1	--	0.07	0.08	0.06	0.2	--	0.3	0.04	0.01	--	0.008	0.01	0.007	0.02	--	0.03	0.005	0.2	0.3	0.1	0.1	0.08	0.8	0.6	0.8	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-143	0.07	--	0.08	0.08	0.03	0.2	--	0.2	0.02	0.008	--	0.009	0.01	0.004	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-144	0.2	--	0.07	0.08	0.1	0.2	--	0.5	0.06	0.02	--	0.008	0.01	0.01	0.02	--	0.05	0.008	0.2	0.3	0.1	0.1	0.1	0.8	0.6	0.9	0.2	0.04	0.1	0.02	0.02	0.02	0.4	0.2	0.2	0.1
ADA-145	0.08	--	0.1	0.1	0.03	0.2	--	0.2	0.03	0.009	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-146	0.09	--	0.07	0.08	0.03	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.004	0.02	--	0.03	0.003	0.1	0.3	0.1	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-147	0.1	--	0.05	0.07	0.1	0.1	--	0.3	0.04	0.02	--	0.006	0.009	0.01	0.01	--	0.04	0.005	0.2	0.3	0.09	0.09	0.1	0.7	0.6	0.8	0.2	0.04	0.1	0.02	0.02	0.02	0.4	0.2	0.2	0.1
ADA-148	0.08	--	0.06	0.07	0.03	0.09	--	0.2	0.02	0.009	--	0.007	0.009	0.003	0.01	--	0.03	0.002	0.1	0.3	0.1	0.09	0.05	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
ADA-150	0.1	--	0.07	0.07	0.06	0.1	--	0.3	0.03	0.01	--	0.008	0.009	0.007	0.02	--	0.04	0.004	0.2	0.3	0.1	0.09	0.08	0.7	0.6	0.8	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
ADA-151	0.08	--	0.06	0.08	0.04	0.07	--	0.3	0.02	0.01	--	0.007	0.009	0.005	0.008	--	0.03	0.002	0.1	0.3	0.1	0.09	0.06	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
ADA-152	0.1	--	0.1	0.1	0.02	0.2	--	0.3	0.02	0.02	--	0.01	0.01	0.003	0.02	--	0.03	0.002	0.2	0.3	0.1	0.1	0.04	0.8	0.6	0.8	0.2	0.04	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-153	0.1	--	0.1	0.09	0.03	0.2	--	0.3	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.004	0.2	0.3	0.1	0.1	0.05	0.8	0.6	0.8	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-154	0.1	--	0.1	0.09	0.03	0.2	--	0.2	0.03	0.01	--	0.01	0.01	0.004	0.02	--	0.03	0.003	0.1	0.3	0.2	0.1	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-155	0.09	--	0.05	0.07	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.005	0.02	--	0.03	0.002	0.1	0.3	0.1	0.08	0.06	0.8	0.6	0.7	0.2	0.03	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
ADA-156	0.06	--	0.07	0.08	0.04	0.1	--	0.2	0.02	0.007	--	0.008	0.009	0.004	0.02	--	0.02	0.002	0.1	0.3	0.1	0.1	0.06	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
ADA-158	0.09	--	0.06	0.07	0.05	0.09	--	0.3	0.02	0.01	--	0.007	0.009	0.006	0.01	--	0.03	0.003	0.1	0.3	0.1	0.09	0.07	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.02	0.01	0.4	0.2	0.2	0.1
ADA-159	0.09	--	0.1	0.09	0.06	0.2	--	0.3	0.04	0.01	--	0.01	0.01	0.007	0.02	--	0.03	0.004	0.1	0.3	0.2	0.1	0.08	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1

Table 5-54. Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Future Resident who Consumes Whitefish

	Total HI Across COPCs by Pathway																	Total HI Across Pathways																
	Ingestion (Fish), Incidental Ingestion & Dermal (Soil) or Inhalation (Air) - by Target Organ System																	By Target Organ System																
Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*
	Child									Adult									Child									Adult								
ADA																																		
ADA-160	0.1	--	0.05	0.06	0.04	0.1	--	0.2	0.02	0.01	--	0.006	0.008	0.004	0.01	--	0.03	0.003	0.1	0.3	0.1	0.08	0.06	0.7	0.6	0.7	0.2	0.03	0.1	0.02	0.01	0.01	0.4	0.2	0.2	0.1
ADA-161	0.07	--	0.07	0.07	0.03	0.1	--	0.2	0.02	0.008	--	0.008	0.009	0.004	0.02	--	0.03	0.003	0.1	0.3	0.1	0.09	0.05	0.8	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-162	0.1	--	0.06	0.08	0.1	0.1	--	0.4	0.06	0.02	--	0.007	0.009	0.01	0.02	--	0.05	0.007	0.2	0.3	0.1	0.1	0.1	0.7	0.6	0.9	0.2	0.03	0.1	0.02	0.02	0.02	0.4	0.2	0.2	0.1
ADA-164	0.1	--	0.08	0.08	0.05	0.2	--	0.3	0.03	0.01	--	0.009	0.009	0.006	0.02	--	0.03	0.004	0.2	0.3	0.1	0.1	0.07	0.8	0.6	0.8	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-165	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.04	0.01	--	0.009	0.009	0.005	0.02	--	0.04	0.005	0.2	0.3	0.1	0.09	0.06	0.8	0.6	0.8	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-168	0.1	--	0.07	0.08	0.04	0.1	--	0.3	0.03	0.01	--	0.009	0.01	0.005	0.02	--	0.03	0.003	0.2	0.3	0.1	0.1	0.06	0.7	0.6	0.7	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-169	0.03	--	0.09	0.1	0.004	0.2	--	0.09	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.08	0.3	0.1	0.1	0.02	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
ADA-170	0.05	--	0.09	0.1	0.009	0.2	--	0.1	0.006	0.006	--	0.01	0.01	0.001	0.02	--	0.02	0.0008	0.1	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.03	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-171	0.04	--	0.08	0.09	0.009	0.2	--	0.2	0.008	0.005	--	0.009	0.01	0.001	0.02	--	0.02	0.0009	0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-172	0.02	--	0.07	0.07	0.005	0.2	--	0.08	0.002	0.003	--	0.008	0.009	0.0006	0.02	--	0.009	0.0002	0.07	0.3	0.1	0.09	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
ADA-173	0.04	--	0.07	0.08	0.009	0.2	--	0.1	0.005	0.005	--	0.008	0.009	0.001	0.02	--	0.01	0.0005	0.09	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
ADA-174	0.04	--	0.06	0.07	0.01	0.2	--	0.1	0.008	0.005	--	0.007	0.008	0.001	0.02	--	0.01	0.0009	0.09	0.3	0.1	0.09	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.02	0.01	0.009	0.4	0.2	0.2	0.1
ADA-175	0.03	--	0.1	0.09	0.005	0.2	--	0.1	0.003	0.003	--	0.01	0.01	0.0006	0.02	--	0.01	0.0003	0.08	0.3	0.2	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
ADA-176	0.03	--	0.2	0.1	0.005	0.2	--	0.2	0.003	0.003	--	0.02	0.02	0.0006	0.03	--	0.02	0.0004	0.08	0.3	0.2	0.2	0.03	0.8	0.6	0.7	0.1	0.02	0.1	0.04	0.02	0.008	0.4	0.2	0.2	0.1
ADA-177	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.09	0.3	0.2	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
ADA-178	0.04	--	0.1	0.1	0.004	0.2	--	0.1	0.002	0.004	--	0.01	0.01	0.0005	0.02	--	0.01	0.0002	0.09	0.3	0.2	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.03	0.02	0.008	0.4	0.2	0.2	0.1
ADA-179	0.03	--	0.06	0.08	0.008	0.2	--	0.1	0.005	0.003	--	0.007	0.01	0.0009	0.02	--	0.01	0.0005	0.08	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
ADA-180	0.03	--	0.07	0.09	0.01	0.2	--	0.1	0.01	0.004	--	0.009	0.01	0.001	0.02	--	0.02	0.001	0.08	0.3	0.1	0.1	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-181	0.03	--	0.06	0.08	0.01	0.2	--	0.2	0.01	0.004	--	0.007	0.009	0.001	0.02	--	0.02	0.001	0.08	0.3	0.1	0.09	0.03	0.8	0.6	0.6	0.1	0.02	0.1	0.02	0.02	0.009	0.4	0.2	0.2	0.1
ADA-182	0.03	--	0.09	0.09	0.009	0.1	--	0.1	0.01	0.003	--	0.01	0.01	0.001	0.02	--	0.01	0.002	0.08	0.3	0.1	0.1	0.03	0.7	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1
ADA-183	0.05	--	0.08	0.07	0.02	0.1	--	0.2	0.04	0.006	--	0.009	0.009	0.003	0.01	--	0.02	0.005	0.1	0.3	0.1	0.09	0.05	0.7	0.6	0.6	0.2	0.03	0.1	0.03	0.02	0.01	0.4	0.2	0.2	0.1
ADA-184	0.03	--	0.08	0.08	0.009	0.2	--	0.1	0.03	0.004	--	0.01	0.009	0.001	0.02	--	0.01	0.003	0.09	0.3	0.1	0.09	0.03	0.8	0.6	0.6	0.2	0.02	0.1	0.03	0.02	0.009	0.4	0.2	0.2	0.1

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this media

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]EPC used in risk calculations was the 95UCL across all species sampled

[c]Non-cancer benchmark is HI>1.

Table 5-55. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Residential Beach Sediment for Non-Lead COPCS for the RME: Resident with Beach

Pathway	Analyte Name	Soil/Dust[b] EPC (mg/kg)	Toxicity Values				Notes	Primary Target Organ System(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Incidental Ingestion	Antimony	1 1 - 55 8	0 0004	I	--	--		Hematologic			1 3E-06 - 6 5E-05	0 003 - 0 2	1 2E-07 - 6 1E-06	0 0003 - 0 02	1 1E-07 - 5 6E-06		3 4E-08 - 1 7E-06		
	RBA adjusted Arsenic	0 862 - 9 29	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			1 0E-06 - 1 1E-05	0 003 - 0 04	9 5E-08 - 1 0E-06	0 0003 - 0 003	8 6E-08 - 9 3E-07	1E-07 - 1E-06	2 7E-08 - 2 9E-07	4E-08 - 4E-07	2E-07 - 2E-06
	Chromium	10 9 - 30 5	0 003	I	--	--	(a)	None			1 3E-05 - 3 6E-05	0 004 - 0 01	1 2E-06 - 3 3E-06	0 0004 - 0 001	1 1E-06 - 3 1E-06		3 4E-07 - 9 6E-07		
	Cobalt	3 62 - 12 4	0 0003	P	--	--		Endocrine			4 2E-06 - 1 4E-05	0 01 - 0 05	4 0E-07 - 1 4E-06	0 001 - 0 005	3 6E-07 - 1 2E-06		1 1E-07 - 3 9E-07		
	Iron	13300 - 44000	0 7	P	--	--		Gastrointestinal			1 6E-02 - 5 1E-02	0 02 - 0 07	1 5E-03 - 4 8E-03	0 002 - 0 007	1 3E-03 - 4 4E-03		4 2E-04 - 1 4E-03		
	Manganese	179 - 1030	0 024	S	--	--		Nervous			2 1E-04 - 1 2E-03	0 009 - 0 05	2 0E-05 - 1 1E-04	0 0008 - 0 005	1 8E-05 - 1 0E-04		5 6E-06 - 3 2E-05		
	Thallium	0 118 - 0 463	0 00001	X	--	--		Skin, Hair & Nails			1 4E-07 - 5 4E-07	0 01 - 0 05	1 3E-08 - 5 1E-08	0 001 - 0 005	1 2E-08 - 4 6E-08		3 7E-09 - 1 5E-08		
								Ingestion Total				**0.08 - 0.4**		**0.008 - 0.04**		**6E-08 - 7E-07**		**4E-08 - 4E-07**	**2E-07 - 2E-06**
Dermal	Antimony	1 1 - 55 8	0 0004	I	--	--		Hematologic	--	0 15									
	Arsenic	4 07 - 28 4	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 03	1	3 4E-07 - 2 4E-06	0 0001 - 0 008	6 9E-08 - 4 8E-07	0 0002 - 0 002	2 9E-08 - 2 0E-07	4E-08 - 3E-07	2 0E-08 - 1 4E-07	3E-08 - 2E-07	3E-08 - 4E-07
	Chromium	10 9 - 30 5	0 003	I	--	--	(a)	None	--	0 025									
	Cobalt	3 62 - 12 4	0 0003	P	--	--		Endocrine	--	1									
	Iron	13300 - 44000	0 7	P	--	--		Gastrointestinal	--	1									
	Manganese	179 - 1030	0 024	S	--	--		Nervous	--	0 04									
	Thallium	0 118 - 0 463	0 00001	X	--	--		Skin, Hair & Nails	--	1									
										Dermal Total		**0.001 - 0.008**		**0.0002 - 0.002**		**4E-08 - 3E-07**		**3E-08 - 2E-07**	**7E-08 - 5E-07**
										Ingestion and Dermal Total		**0.08 - 0.4**		**0.008 - 0.04**		**2E-07 - 2E-06**		**7E-08 - 6E-07**	**2E-07 - 2E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI).

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0 004 - 0 04	0 0005 - 0 005
Endocrine HI	0 01 - 0 05	0 001 - 0 005
Gastrointestinal HI	0 02 - 0 07	0 002 - 0 007
Hematologic HI	0 003 - 0 2	0 0003 - 0 02
Nervous HI	0 009 - 0 05	0 0008 - 0 005
Skin, Hair & Nails HI	0 02 - 0 06	0 002 - 0 006

Table 5-56. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Residential Beach Sediment for Non-Lead COPCS for the CTE: Resident with Beach

Pathway	Analyte Name	Soil/Dust[b] EPC (mg/kg)	Toxicity Values				Notes	Primary Target Organ System(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Incidental Ingestion	Antimony	1 1 - 55 8	0 0004	I	--	--		Hematologic			3 2E-07 - 1 6E-05	0 0008 - 0 04	3 8E-08 - 1 9E-06	0 00009 - 0 005	9 2E-09 - 4 7E-07		4 3E-09 - 2 2E-07		
	RBA adjusted Arsenic	0 862 - 9 29	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			2 5E-07 - 2 7E-06	0 0008 - 0 009	3 0E-08 - 3 2E-07	0 0001 - 0 001	7 2E-09 - 7 8E-08	1E-08 - 1E-07	3 4E-09 - 3 6E-08	5E-09 - 5E-08	2E-08 - 2E-07
	Chromium	10 9 - 30 5	0 003	I	--	--	(a)	None			3 2E-06 - 8 9E-06	0 001 - 0 003	3 7E-07 - 1 0E-06	0 0001 - 0 0003	9 1E-08 - 2 6E-07		4 3E-08 - 1 2E-07		
	Cobalt	3 62 - 12 4	0 0003	P	--	--		Endocrine			1 1E-06 - 3 6E-06	0 004 - 0 01	1 2E-07 - 4 2E-07	0 0004 - 0 001	3 0E-08 - 1 0E-07		1 4E-08 - 4 9E-08		
	Iron	13300 - 44000	0 7	P	--	--		Gastrointestinal			3 9E-03 - 1 3E-02	0 006 - 0 02	4 6E-04 - 1 5E-03	0 0007 - 0 002	1 1E-04 - 3 7E-04		5 2E-05 - 1 7E-04		
	Manganese	179 - 1030	0 024	S	--	--		Nervous			5 2E-05 - 3 0E-04	0 002 - 0 01	6 1E-06 - 3 5E-05	0 0003 - 0 001	1 5E-06 - 8 6E-06		7 0E-07 - 4 0E-06		
	Thallium	0 118 - 0 463	0 00001	X	--	--		Skin, Hair & Nails			3 5E-08 - 1 4E-07	0 003 - 0 01	4 0E-09 - 1 6E-08	0 0004 - 0 002	9 9E-10 - 3 9E-09		4 6E-10 - 1 8E-09		
								Ingestion Total				**0.02 - 0.1**		**0.002 - 0.01**		**1E-08 - 1E-07**		**5E-09 - 5E-08**	**2E-08 - 2E-07**
Dermal	Antimony	1 1 - 55 8	0 0004	I	--	--		Hematologic	--	0 15									
	Arsenic	4 07 - 28 4	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 03	1	4 2E-08 - 3 0E-07	0 0001 - 0 001	6 1E-09 - 4 3E-08	0 00002 - 0 0001	1 2E-09 - 8 4E-09	2E-09 - 1E-08	7 0E-10 - 4 9E-09	1E-09 - 7E-09	3E-09 - 2E-08
	Chromium	10 9 - 30 5	0 003	I	--	--	(a)	None	--	0 025									
	Cobalt	3 62 - 12 4	0 0003	P	--	--		Endocrine	--	1									
	Iron	13300 - 44000	0 7	P	--	--		Gastrointestinal	--	1									
	Manganese	179 - 1030	0 024	S	--	--		Nervous	--	0 04									
	Thallium	0 118 - 0 463	0 00001	X	--	--		Skin, Hair & Nails	--	1									
										Dermal Total		**0.0001 - 0.001**		**0.00002 - 0.0001**		**2E-09 - 1E-08**		**1E-09 - 7E-09**	**3E-09 - 2E-08**
										Ingestion and Dermal Total		**0.02 - 0.1**		**0.002 - 0.01**		**1E-08 - 1E-07**		**6E-09 - 6E-08**	**2E-08 - 2E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI).

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0 001 - 0 01	0 0001 - 0 001
Endocrine HI	0 004 - 0 01	0 0004 - 0 001
Gastrointestinal HI	0 006 - 0 02	0 0007 - 0 002
Hematologic HI	0 0008 - 0 04	0 00009 - 0 005
Nervous HI	0 002 - 0 01	0 0003 - 0 001
Skin, Hair & Nails HI	0 006 - 0 02	0 0007 - 0 002

Table 5-57. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Public Beach Surface Sediment for Non-Lead COPCS for the RME: Outdoor Worker[b]

Pathway	Analyte Name	Surface Sediment EPC (mg/kg)	Toxicity Values				Notes	Primary Target Organ System(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer		Cancer	
											Adult		Adult	
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk
Incidental Ingestion	Antimony	0.166 - 52.4	0.0004	I	--	--		Hematologic			1.4E-07 - 4.5E-05	0.0004 - 0.1		
	RBA Adjusted Arsenic	0.301 - 6.02	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails			2.6E-07 - 5.2E-06	0.0009 - 0.02	9.2E-08 - 1.8E-06	1E-07 - 3E-06
	Chromium	6.1 - 49.3	0.003	I	--	--	(a)	None			5.2E-06 - 4.2E-05	0.002 - 0.01		
	Iron	12300 - 77900	0.7	P	--	--		Gastrointestinal			1.1E-02 - 6.7E-02	0.02 - 0 1		
										Ingestion Total		**0.02 - 0 2**		**1E-07 - 3E-06**
Dermal	Antimony	0.166 - 52.4	0.0004	I	--	--		Hematologic	0.001	0.15				
	Arsenic	1.85 - 36 2	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails	0.001	1	2.0E-07 - 3.9E-06	0.0007 - 0.01	7.2E-08 - 1.4E-06	1E-07 - 2E-06
	Chromium	6.1 - 49.3	0.003	I	--	--	(a)	None	0.002	0.025				
	Iron	12300 - 77900	0.7	P	--	--		Gastrointestinal	0.001	1				
										Dermal Total		**0.0007 - 0.01**		**1E-07 - 2E-06**
										Ingestion and Dermal Total		**0.02 - 0 2**		**3E-07 - 5E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

(b) ranges shown in this table are across all public beaches and public beach sediment SDUs

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0.002 - 0.03
Gastrointestinal HI	0.02 - 0 1
Hematologic HI	0.0004 - 0.1
Skin, Hair & Nails HI	0.002 - 0.03

Table 5-58. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Public Beach Surface Sediment for Non-Lead COPCS for the CTE: Outdoor Worker[b]

Pathway	Analyte Name	Surface Sediment EPC (mg/kg)	Toxicity Values				Notes	Primary Target Organ System(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer		Cancer	
											Adult		Adult	
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk
Incidental Ingestion	Antimony	0.166 - 52.4	0.0004	I	--	--		Hematologic			6.2E-08 - 2.0E-05	0.0002 - 0.05		
	RBA Adjusted Arsenic	0.301 - 6.02	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails			1.1E-07 - 2.3E-06	0.0004 - 0.008	1.5E-08 - 2.9E-07	2E-08 - 4E-07
	Chromium	6.1 - 49.3	0.003	I	--	--	(a)	None			2.3E-06 - 1.8E-05	0.0008 - 0.006		
	Iron	12300 - 77900	0.7	P	--	--		Gastrointestinal			4.6E-03 - 2.9E-02	0.007 - 0.04		
										Ingestion Total		**0.008 - 0.1**		**2E-08 - 4E-07**
Dermal	Antimony	0.166 - 52.4	0.0004	I	--	--		Hematologic	0.001	0.15				
	Arsenic	1.85 - 36 2	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails	0.001	1	2.9E-08 - 5.7E-07	0.0001 - 0.002	3.8E-09 - 7.4E-08	6E-09 - 1E-07
	Chromium	6.1 - 49.3	0.003	I	--	--	(a)	None	0.002	0.025				
	Iron	12300 - 77900	0.7	P	--	--		Gastrointestinal	0.001	1				
										Dermal Total		**0.0001 - 0.002**		**6E-09 - 1E-07**
										Ingestion and Dermal Total		**0.008 - 0.1**		**3E-08 - 5E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

(b) ranges shown in this table are across all public beaches and public beach sediment SDUs

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0.0005 - 0.009
Gastrointestinal HI	0.007 - 0.04
Hematologic HI	0.0002 - 0.05
Skin, Hair & Nails HI	0.0005 - 0.009

Table 5-59. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Public Beach Surface Sediment for Non-Lead COPCS for the RME: Recreational Visitor [b]

Pathway	Analyte Name	Surface Water EPC (unfiltered; µg/L)	Toxicity Values				Notes	Primary Target Organ(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				TWA
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Incidental Ingestion	Antimony	0 166 - 52 4	0 0004	I	--	--		Hematologic			6 1E-08 - 3 1E-05	0 0002 - 0 08	1 1E-08 - 4 3E-06	0 00003 - 0 01					
	RBA Adjusted Arsenic	0 301 - 6 02	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			1 1E-07 - 3 5E-06	0 0004 - 0 01	2 1E-08 - 4 9E-07	0 00007 - 0 002	9 4E-09 - 3 0E-07	1E-08 - 5E-07	5 9E-09 - 1 4E-07	9E-09 - 2E-07	2E-08 - 7E-07
	Chromium	6 1 - 49 3	0 003	I	--	--	(a)	None			2 2E-06 - 2 9E-05	0 0007 - 0 01	4 2E-07 - 4 1E-06	0 0001 - 0 001					
	Iron	12300 - 77900	0 7	P	--	--		Gastrointestinal			4 5E-03 - 4 6E-02	0 006 - 0 07	8 4E-04 - 6 4E-03	0 001 - 0 009					
								Ingestion Total				**0.008 - 0.2**		**0.002 - 0.02**		**1E-08 - 5E-07**		**9E-09 - 2E-07**	**2E-08 - 7E-07**
Dermal	Antimony	0 166 - 52 4	0 0004	I	--	--		Hematologic	0 001	0 15									
	Arsenic	1 85 - 36 2	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 001	1	4 8E-08 - 1 5E-06	0 0002 - 0 005	2 0E-08 - 4 6E-07	0 00007 - 0 002	4 1E-09 - 1 3E-07	6E-09 - 2E-07	5 6E-09 - 1 3E-07	8E-09 - 2E-07	1E-08 - 4E-07
	Chromium	6 1 - 49 3	0 003	I	--	--	(a)	None	0 002	0 025									
	Iron	12300 - 77900	0 7	P	--	--		Gastrointestinal	0 001	1									
								Dermal Total				**0.0002 - 0.005**		**0.00007 - 0.002**		**6E-09 - 2E-07**		**8E-09 - 2E-07**	**1E-08 - 4E-07**
								Ingestion and Dermal Total				**0.008 - 0.2**		**0.002 - 0.02**		**2E-08 - 6E-07**		**2E-08 - 4E-07**	**4E-08 - 1E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI).

(b) ranges shown in this table are across the three trip types a recreational visitor may go on (beach trip, boat day trip, and camping trip) at all public beaches and SDUs

Sources I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0 0005 - 0 02	0 0001 - 0 003
Gastrointestinal HI	0 006 - 0 07	0 001 - 0 009
Hematologic HI	0 0002 - 0 08	0 00003 - 0 01
Skin, Hair & Nails HI	0 0005 - 0 02	0 0001 - 0 003

Table 5-60. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Public Beach Surface Sediment for Non-Lead COPCS for the CTE: Recreational Visitor[b]

Pathway	Analyte Name	Surface Water EPC (unfiltered; µg/L)	Toxicity Values				Notes	Primary Target Organ(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				TWA
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg-d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Incidental Ingestion	Antimony	0 166 - 52 4	0 0004	I	--	--		Hematologic			1 0E-08 - 4 5E-06	0 00003 - 0 01	1 8E-09 - 6 1E-07	0 000004 - 0 002					
	RBA Adjusted Arsenic	0 301 - 6 02	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			1 9E-08 - 5 2E-07	0 00006 - 0 002	3 2E-09 - 7 0E-08	0 00001 - 0 0002	5 4E-10 - 1 5E-08	8E-10 - 2E-08	3 7E-10 - 8 0E-09	6E-10 - 1E-08	1E-09 - 3E-08
	Chromium	6 1 - 49 3	0 003	I	--	--	(a)	None			3 8E-07 - 4 3E-06	0 0001 - 0 001	6 6E-08 - 5 7E-07	0 00002 - 0 0002					
	Iron	12300 - 77900	0 7	P	--	--		Gastrointestinal			7 7E-04 - 6 7E-03	0 001 - 0 01	1 3E-04 - 9 1E-04	0 0002 - 0 001					
								Ingestion Total				**0.001 - 0.02**		**0.0002 - 0.003**		**8E-10 - 2E-08**		**6E-10 - 1E-08**	**1E-09 - 3E-08**
Dermal	Antimony	0 166 - 52 4	0 0004	I	--	--		Hematologic	0 001	0 15									
	Arsenic	1 85 - 36 2	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 001	1	4 1E-09 - 1 1E-07	0 00001 - 0 0004	8 8E-10 - 1 9E-08	0 000003 - 0 000060	1 2E-10 - 3 2E-09	2E-10 - 5E-09	1 0E-10 - 2 1E-09	2E-10 - 3E-09	3E-10 - 8E-09
	Chromium	6 1 - 49 3	0 003	I	--	--	(a)	None	0 002	0 025									
	Iron	12300 - 77900	0 7	P	--	--		Gastrointestinal	0 001	1									
								Dermal Total				**0.00001 - 0.0004**		**0.000003 - 0.00006**		**2E-10 - 5E-09**		**2E-10 - 3E-09**	**3E-10 - 8E-09**
								Ingestion and Dermal Total				**0.001 - 0.02**		**0.0002 - 0.003**		**1E-09 - 3E-08**		**7E-10 - 2E-08**	**2E-09 - 4E-08**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI).

(b) ranges shown in this table are across the three trip types a recreational visitor may go on (beach trip, boat day trip, and camping trip) at all public beaches and SDUs

Sources I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0 00008 - 0 002	0 00001 - 0 0003
Gastrointestinal HI	0 001 - 0 01	0 0002 - 0 001
Hematologic HI	0 00003 - 0 01	0 000004 - 0 002
Skin, Hair & Nails HI	0 00008 - 0 002	0 00001 - 0 0003

Table 5-61. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Relict Floodplain Soil for Non-Lead COPCS for the RME: Recreational Visitor[b]

Pathway	Analyte Name	Surface Water EPC (unfiltered; µg/L)	Toxicity Values				Notes	Primary Target Organ(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Incidental Ingestion	RBA Adjusted Arsenic	1 51 - 5 88	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			5 5E-07 - 3 4E-06	0 002 - 0 01	1 0E-07 - 4 8E-07	0 0003 - 0 002	4 7E-08 - 2 9E-07	7E-08 - 4E-07	3 0E-08 - 1 4E-07	4E-08 - 2E-07	1E-07 - 6E-07
	Chromium	16 8 - 38 9	0 003	I	--	--	(a)	None			6 1E-06 - 2 3E-05	0 002 - 0 008	1 2E-06 - 3 2E-06	0 0004 - 0 001					
										Ingestion Total		**0.005 - 0.02**		**0.0009 - 0.002**		**7E-08 - 4E-07**		**4E-08 - 2E-07**	**1E-07 - 6E-07**
Dermal	Arsenic	7 68 - 29 9	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 001	1	2 0E-07 - 1 2E-06	0 0007 - 0 004	6 7E-08 - 3 1E-07	0 0002 - 0 001	1 7E-08 - 1 1E-07	3E-08 - 2E-07	1 9E-08 - 8 9E-08	3E-08 - 1E-07	5E-08 - 3E-07
	Chromium	16 8 - 38 9	0 003	I	--	--	(a)	None	0 002	0 025									
										Dermal Total		**0.0007 - 0.004**		**0.0002 - 0.0009**		**3E-08 - 2E-07**		**3E-08 - 1E-07**	**5E-08 - 3E-07**
										Ingestion and Dermal Total		**0.005 - 0.02**		**0.001 - 0.003**		**1E-07 - 6E-07**		**7E-08 - 3E-07**	**2E-07 - 9E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI).

(b) ranges shown in this table are across the three trip types a recreational visitor may go on (beach trip, boat day trip, and camping trip) at all relict floodplains

Total by Target Organ System:

Cardiovascular HI	0 003 - 0 02	0 0006 - 0 003
Skin, Hair & Nails HI	0 003 - 0 02	0 0006 - 0 003

Sources I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Table 5-62. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Relict Floodplain Soil for Non-Lead COPCS for the CTE: Recreational Visitor [b]

Pathway	Analyte Name	Surface Water EPC (unfiltered; µg/L)	Toxicity Values				Notes	Primary Target Organ(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				TWA
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg-d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Incidental Ingestion	RBA Adjusted Arsenic	1 51 - 5 88	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			9 5E-08 - 5 1E-07	0 0003 - 0 002	1 6E-08 - 6 8E-08	0 00005 - 0 0002	2 7E-09 - 1 4E-08	4E-09 - 2E-08	1 9E-09 - 7 8E-09	3E-09 - 1E-08	7E-09 - 3E-08
	Chromium	16 8 - 38 9	0 003	I	--	--	(a)	None			1 1E-06 - 3 4E-06	0 0004 - 0 001	1 8E-07 - 4 5E-07	0 00006 - 0 0002					
								Ingestion Total				**0.0008 - 0.003**		**0.0001 - 0.0003**		**4E-09 - 2E-08**		**3E-09 - 1E-08**	**7E-09 - 3E-08**
Dermal	Arsenic	7 68 - 29 9	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 001	1	1 7E-08 - 9 2E-08	0 00006 - 0 0003	3 0E-09 - 1 3E-08	0 00001 - 0 00004	4 9E-10 - 2 6E-09	7E-10 - 4E-09	3 4E-10 - 1 4E-09	5E-10 - 2E-09	1E-09 - 6E-09
	Chromium	16 8 - 38 9	0 003	I	--	--	(a)	None	0 002	0 025									
								Dermal Total				**0.00006 - 0.0003**		**0.00001 - 0.00004**		**7E-10 - 4E-09**		**5E-10 - 2E-09**	**1E-09 - 6E-09**
								Ingestion and Dermal Total				**0.0009 - 0.003**		**0.0001 - 0.0004**		**5E-09 - 3E-08**		**3E-09 - 1E-08**	**8E-09 - 4E-08**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI).

(b) ranges shown in this table are across the three trip types a recreational visitor may go on (beach trip, boat day trip, and camping trip) at all relict floodplains

Total by Target Organ System:

Cardiovascular HI	0 0003 - 0 002	0 00006 - 0 0003
Skin, Hair & Nails HI	0 0004 - 0 002	0 00006 - 0 0003

Sources I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Table 5-63. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Public Beach Surface Soil for Non-Lead COPCS for the RME: Outdoor Worker[b]

Pathway	Analyte Name	Surface Soil EPC (mg/kg)	Toxicity Values				Notes	Primary Target Organ System(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer Adult		Cancer Adult	
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk
Incidental Ingestion	RBA Adjusted Arsenic	1 9 - 3 33	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			1 6E-06 - 2 9E-06	0 005 - 0 01	5 8E-07 - 1 0E-06	9E-07 - 2E-06
	Chromium	20 3 - 29 4	0 003	I	--	--	(a)	None			1 7E-05 - 2 5E-05	0 006 - 0 008		
										Ingestion Total		**0.01 - 0.02**		**9E-07 - 2E-06**
Dermal	Arsenic	9 58 - 15 1	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 001	1	1 0E-06 - 1 6E-06	0 0003 - 0 0005	3 7E-07 - 5 9E-07	6E-07 - 9E-07
	Chromium	20 3 - 29 4	0 003	I	--	--	(a)	None	0 002	0 025				
										Dermal Total		**0.0003 - 0.0005**		**6E-07 - 9E-07**
										Ingestion and Dermal Total		**0.02 - 0.02**		**1E-06 - 2E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

(b) ranges shown in this table are across all public beach UDUs where soil was collected

Total by Target Organ System:

Cardiovascular HI	0 009 - 0 01
Skin, Hair & Nails HI	0 009 - 0 01

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Table 5-64. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Public Beach Surface Soil for Non-Lead COPCS for the CTE: Outdoor Worker[b]

Pathway	Analyte Name	Surface Soil EPC (mg/kg)	Toxicity Values				Notes	Primary Target Organ System(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer Adult		Cancer Adult	
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk
Incidental Ingestion	RBA Adjusted Arsenic	1 9 - 3 33	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			7 1E-07 - 1 2E-06	0 002 - 0 004	9 2E-08 - 1 6E-07	1E-07 - 2E-07
	Chromium	20 3 - 29 4	0 003	I	--	--	(a)	None			7 6E-06 - 1 1E-05	0 003 - 0 004		
										Ingestion Total		**0.005 - 0.008**		**1E-07 - 2E-07**
Dermal	Arsenic	9 58 - 15 1	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 001	1	1 5E-07 - 2 4E-07	0 0005 - 0 0008	2 0E-08 - 3 1E-08	3E-08 - 5E-08
	Chromium	20 3 - 29 4	0 003	I	--	--	(a)	None	0 002	0 025				
										Dermal Total		**0.0005 - 0.0008**		**3E-08 - 5E-08**
										Ingestion and Dermal Total		**0.006 - 0.009**		**2E-07 - 3E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

(b) ranges shown in this table are across all public beach UDUs where soil was collected

Total by Target Organ System:

Cardiovascular HI	0 003 - 0 005
Skin, Hair & Nails HI	0 003 - 0 005

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Table 5-65. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Public Beach Surface Soil for Non-Lead COPCS for the RME: Recreational Visitor[b]

Pathway	Analyte Name	Surface Water EPC (unfiltered; µg/L)	Toxicity Values				Notes	Primary Target Organ(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				TWA
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Incidental Ingestion	RBA Adjusted Arsenic	1 9 - 3 33	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			6 9E-07 - 1 9E-06	0 002 - 0 006	1 3E-07 - 2 7E-07	0 0004 - 0 0009	5 9E-08 - 1 7E-07	9E-08 - 3E-07	3 7E-08 - 7 8E-08	6E-08 - 1E-07	1E-07 - 4E-07
	Chromium	20 3 - 29 4	0 003	I	--	--	(a)	None			7 4E-06 - 1 7E-05	0 002 - 0 006	1 4E-06 - 2 4E-06	0 0005 - 0 0008					
										Ingestion Total		**0.005 - 0.1**		**0.001 - 0.002**		**9E-08 - 3E-07**		**6E-08 - 1E-07**	**1E-07 - 4E-07**
Dermal	Arsenic	9 58 - 15 1	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 001	1	2 5E-07 - 6 3E-07	0 0008 - 0 002	8 3E-08 - 1 6E-07	0 0003 - 0 0005	2 1E-08 - 5 4E-08	3E-08 - 8E-08	2 4E-08 - 4 5E-08	4E-08 - 7E-08	7E-08 - 1E-07
	Chromium	20 3 - 29 4	0 003	I	--	--	(a)	None	0 002	0 025									
										Dermal Total		**0.0008 - 0.002**		**0.0003 - 0.0005**		**3E-08 - 8E-08**		**4E-08 - 7E-08**	**7E-08 - 1E-07**
										Ingestion and Dermal Total		**0.006 - 0.1**		**0.001 - 0.002**		**1E-07 - 3E-07**		**9E-08 - 2E-07**	**2E-07 - 5E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI).

(b) ranges shown in this table are across the three trip types a recreational visitor may go on (beach trip, boat day trip, and camping trip) at all Bossburg Flat UDUs

Total by Target Organ System:

Cardiovascular HI	0 003 - 0 008	0 0007 - 0 001
Skin, Hair & Nails HI	0 003 - 0 008	0 0007 - 0 001

Sources I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Table 5-66. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Public Beach Surface Soil for Non-Lead COPCS for the CTE: Recreational Visitor[b]

Pathway	Analyte Name	Surface Water EPC (unfiltered; µg/L)	Toxicity Values				Notes	Primary Target Organ(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				TWA
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg-d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Incidental Ingestion	RBA Adjusted Arsenic	1 9 - 3 33	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			1 2E-07 - 2 9E-07	0 0004 - 0 001	2 0E-08 - 3 9E-08	0 00007 - 0 0001	3 4E-09 - 8 2E-09	5E-09 - 1E-08	2 3E-09 - 4 4E-09	4E-09 - 7E-09	9E-09 - 2E-08
	Chromium	20 3 - 29 4	0 003	I	--	--	(a)	None			1 3E-06 - 2 5E-06	0 0004 - 0 0008	2 2E-07 - 3 4E-07	0 00007 - 0 0001					
								Ingestion Total				**0.0009 - 0.002**		**0.0002 - 0.0002**		**5E-09 - 1E-08**		**4E-09 - 7E-09**	**9E-09 - 2E-08**
Dermal	Arsenic	9 58 - 15 1	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 001	1	2 1E-08 - 4 6E-08	0 00007 - 0 0002	3 7E-09 - 6 4E-09	0 00001 - 0 00002	6 1E-10 - 1 3E-09	9E-10 - 2E-09	4 3E-10 - 7 3E-10	6E-10 - 1E-09	2E-09 - 3E-09
	Chromium	20 3 - 29 4	0 003	I	--	--	(a)	None	0 002	0 025									
								Dermal Total				**0.00007 - 0.0002**		**0.00001 - 0.00002**		**3E-08 - 8E-08**		**4E-08 - 7E-08**	**7E-08 - 1E-07**
								Ingestion and Dermal Total				**0.001 - 0.002**		**0.0002 - 0.0003**		**6E-09 - 1E-08**		**4E-09 - 8E-09**	**1E-08 - 2E-08**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI).

(b) ranges shown in this table are across the three trip types a recreational visitor may go on (beach trip, boat day trip, and camping trip) at all Bossburg Flat UDUs

Total by Target Organ System:

Cardiovascular HI	0 0005 - 0 001	0 00008 - 0 0001
Skin, Hair & Nails HI	0 0005 - 0 001	0 00008 - 0 0001

Sources I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Table 5-67. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Subsurface Sediment for Non-Lead COPCS for the RME: Outdoor Worker[b]

Pathway	Analyte Name	Surface Water EPC (unfiltered; µg/L)	Toxicity Values				Notes	Primary Target Organ(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer		Cancer	
											Adult		Adult	
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg-d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk
Incidental Ingestion	Antimony	0.122 - 7.06	0.0004	I	--	--		Hematologic			1.0E-07 - 6.0E-06	0.0003 - 0.02		
	RBA Adjusted Arsenic	1.26 - 4.09	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails			1.1E-06 - 3.5E-06	0.004 - 0.01	3.9E-07 - 1.3E-06	6E-07 - 2E-06
	Chromium	19 - 38.6	0.003	I	--	--	(a)	None			1.6E-05 - 3.3E-05	0.005 - 0.01		
	Cobalt	6.39 - 11.7	0.0003	P	--	--		Endocrine			5.5E-06 - 1.0E-05	0.02 - 0.03		
	Iron	13600 - 35600	0.7	P	--	--		Gastrointestinal			1.2E-02 - 3.1E-02	0.02 - 0.04		
	Manganese	223 - 505	0.024	S	--	--		Nervous			1.9E-04 - 4.3E-04	0.008 - 0.02		
								Ingestion Total				**0.06 - 0.1**		**6E-07 - 2E-06**
Dermal	Antimony	0.122 - 7.06	0.0004	I	--	--		Hematologic	0.001	0.15				
	Arsenic	5.36 - 20.4	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails	0.001	1	5.8E-07 - 2.2E-06	0.002 - 0.007	2E-07 - 8E-07	3E-07 - 1E-06
	Chromium	19 - 38.6	0.003	I	--	--	(a)	None	0.002	0.025				
	Cobalt	6.39 - 11.7	0.0003	P	--	--		Endocrine	0.0004	1				
	Iron	13600 - 35600	0.7	P	--	--		Gastrointestinal	0.001	1				
	Manganese	223 - 505	0.024	S	--	--		Nervous	0.001	0.04				
								Dermal Total				**0.002 - 0.007**		**3E-07 - 1E-06**
								Ingestion and Dermal Total				**0.06 - 0.1**		**9E-07 - 3E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

(b) ranges shown in this table are across all public beaches and public beach sediment SDUs

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0.006 - 0.02
Endocrine HI	0.02 - 0.03
Gastrointestinal HI	0.02 - 0.04
Hematologic HI	0.0003 - 0.02
Nervous HI	0.008 - 0.02
Skin, Hair & Nails HI	0.006 - 0.02

Table 5-68. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Subsurface Sediment for Non-Lead COPCS for the CTE: Outdoor Worker[b]

Pathway	Analyte Name	Surface Water EPC (unfiltered; µg/L)	Toxicity Values				Notes	Primary Target Organ(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer		Cancer	
											Adult		Adult	
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg-d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk
Incidental Ingestion	Antimony	0.122 - 7.06	0.0004	I	--	--		Hematologic			4.6E-08 - 2.6E-06	0.0001 - 0.007		
	RBA Adjusted Arsenic	1.26 - 4.09	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails			4.7E-07 - 1.5E-06	0.002 - 0.005	6.1E-08 - 2.0E-07	9E-08 - 3E-07
	Chromium	19 - 38.6	0.003	I	--	--	(a)	None			7.1E-06 - 1.4E-05	0.002 - 0.005		
	Cobalt	6.39 - 11.7	0.0003	P	--	--		Endocrine			2.4E-06 - 4.4E-06	0.008 - 0.01		
	Iron	13600 - 35600	0.7	P	--	--		Gastrointestinal			5.1E-03 - 1.3E-02	0.007 - 0.02		
	Manganese	223 - 505	0.024	S	--	--		Nervous			8.4E-05 - 1.9E-04	0.003 - 0.008		
										Ingestion Total		**0.02 - 0.06**		**9E-08 - 3E-07**
Dermal	Antimony	0.122 - 7.06	0.0004	I	--	--		Hematologic	0.001	0.15				
	Arsenic	5.36 - 20.4	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails	0.001	1	8.5E-08 - 3.2E-07	0.0003 - 0.001	1.1E-08 - 4.2E-08	2E-08 - 6E-08
	Chromium	19 - 38.6	0.003	I	--	--	(a)	None	0.002	0.025				
	Cobalt	6.39 - 11.7	0.0003	P	--	--		Endocrine	0.0004	1				
	Iron	13600 - 35600	0.7	P	--	--		Gastrointestinal	0.001	1				
	Manganese	223 - 505	0.024	S	--	--		Nervous	0.001	0.04				
										Dermal Total		**0.0003 - 0.001**		**2E-08 - 6E-08**
										Ingestion and Dermal Total		**0.02 - 0.06**		**1E-07 - 4E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

(b) ranges shown in this table are across all public beaches and public beach sediment SDUs

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0.002 - 0.006
Endocrine HI	0.008 - 0.01
Gastrointestinal HI	0.007 - 0.02
Hematologic HI	0.0001 - 0.007
Nervous HI	0.003 - 0.008
Skin, Hair & Nails HI	0.002 - 0.006

Table 5-69. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Public Beach Subsurface Soil for Non-Lead COPCS for the RME: Outdoor Worker[b]

Pathway	Analyte Name	Subsurface Soil EPC (mg/kg)	Toxicity Values				Notes	Primary Target Organ System(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer		Cancer	
											Adult		Adult	
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk
Incidental Ingestion	RBA Adjusted Arsenic	1.2 - 12.6	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails			1.0E-06 - 1.1E-05	0.003 - 0.04	3.7E-07 - 3.9E-06	6E-07 - 6E-06
	Chromium	19.1 - 63	0.003	I	--	--	(a)	None			1.6E-05 - 5.4E-05	0.006 - 0.02		
										Ingestion Total		**0.01 - 0.05**		**6E-07 - 6E-06**
Dermal	Arsenic	5.9 - 32.6	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails	0.001	1	6.4E-07 - 3.5E-06	0.002 - 0.01	2.3E-07 - 1.3E-06	3E-07 - 2E-06
	Chromium	20.3 - 29.4	0.003	I	--	--	(a)	None	0.002	0.025				
										Dermal Total		**0.002 - 0.01**		**3E-07 - 2E-06**
										Ingestion and Dermal Total		**0.01 - 0.06**		**9E-07 - 8E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

(b) ranges shown in this table are across all public beach UDUs where soil was collected

Total by Target Organ System:

Cardiovascular HI	0.01 - 0.05
Skin, Hair & Nails HI	0.01 - 0.05

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Table 5-70. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Public Beach Subsurface Soil for Non-Lead COPCS for the CTE: Outdoor Worker [b]

Pathway	Analyte Name	Subsurface Soil EPC (mg/kg)	Toxicity Values				Notes	Primary Target Organ System(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer		Cancer	
											Adult		Adult	
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk
Incidental Ingestion	RBA Adjusted Arsenic	1.2 - 12.6	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails			4.5E-07 - 4.7E-06	0.002 - 0.02	5.8E-08 - 6.1E-07	9E-08 - 9E-07
	Chromium	19.1 - 63	0.003	I	--	--	(a)	None			7.2E-06 - 2.4E-05	0.002 - 0.008		
										Ingestion Total		**0.004 - 0.02**		**9E-08 - 9E-07**
Dermal	Arsenic	5.9 - 32.6	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails	0.001	1	9.4E-08 - 5.2E-07	0.0003 - 0.002	1.2E-08 - 6.7E-08	2E-08 - 1E-07
	Chromium	20.3 - 29.4	0.003	I	--	--	(a)	None	0.002	0.025				
										Dermal Total		**0.0003 - 0.002**		**2E-08 - 1E-07**
										Ingestion and Dermal Total		**0.004 - 0.02**		**1E-07 - 1E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

(b) ranges shown in this table are across all public beach UDUs where soil was collected

Total by Target Organ System:

Cardiovascular HI	0.002 - 0.02
Skin, Hair & Nails HI	0.002 - 0.02

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Table 5-71. Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Surface Water for Non-Lead COPCS for the RME: Resident with Beach

Pathway	Analyte Name	Surface Water EPC (unfiltered; µg/L)	Toxicity Values				Notes	Primary Target Organ System(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				TWA
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Incidental Ingestion	Aluminum	722	1	P	--	--		Nervous			1 2E-03	0 001	2 5E-04	0 0003	1 0E-04		7 2E-05		
	Antimony	0 643	0 0004	I	--	--		Hematologic			1 1E-06	0 003	2 2E-07	0 0006	9 0E-08		6 4E-08		
	RBA Adjusted Arsenic	0 174	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			2 8E-07	0 0009	6 1E-08	0 0002	2 4E-08	4E-08	1 7E-08	3E-08	6E-08
	Barium	154	0 2	I	--	--		Urinary			2 5E-04	0 001	5 4E-05	0 0003	2 2E-05		1 5E-05		
	Beryllium	0 189	0 002	I	--	--		Gastrointestinal			3 1E-07	0 0002	6 6E-08	0 00003	2 7E-08		1 9E-08		
	Cadmium	0 233	0 0005	I	--	--	(a)	Urinary			3 8E-07	0 0008	8 1E-08	0 0002	3 3E-08		2 3E-08		
	Chromium	3 67	0 003	I	--	--	(b)	None			6 0E-06	0 002	1 3E-06	0 0004	5 2E-07		3 7E-07		
	Cobalt	4 35	0 0003	P	--	--		Endocrine			7 1E-06	0 02	1 5E-06	0 005	6 1E-07		4 3E-07		
	Iron	1820	0 7	P	--	--		Gastrointestinal			3 0E-03	0 004	6 4E-04	0 0009	2 5E-04		1 8E-04		
	Manganese	419	0 024	S	--	--		Nervous			6 9E-04	0 03	1 5E-04	0 006	5 9E-05		4 2E-05		
	Thallium	0 0358	0 00001	X	--	--		Skin, Hair & Nails			5 9E-08	0 006	1 3E-08	0 001	5 0E-09		3 6E-09		
	Uranium	0 756	0 0002	A	--	--		Urinary			1 2E-06	0 006	2 6E-07	0 001	1 1E-07		7 6E-08		
	Vanadium	5 07	0 00504	S	--	--		Skin, Hair & Nails			8 3E-06	0 002	1 8E-06	0 0004	7 1E-07		5 1E-07		
								Ingestion Total				**0.08**		**0.02**		**4E-08**		**3E-08**	**6E-08**
Dermal	Aluminum	722	1	P	--	--		Nervous	0 001	1	7 5E-05	0 00008	4 5E-05	0 00005	6 4E-06		1 3E-05		
	Antimony	0 643	0 0004	I	--	--		Hematologic	0 001	0 15	6 7E-08	0 001	4 0E-08	0 0007	5 7E-09		1 1E-08		
	Arsenic	0 841	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 001	1	8 8E-08	0 0003	5 3E-08	0 0002	7 5E-09	1E-08	1 5E-08	2E-08	3E-08
	Barium	154	0 2	I	--	--		Urinary	0 001	0 07	1 6E-05	0 001	9 6E-06	0 0007	1 4E-06		2 7E-06		
	Beryllium	0 189	0 002	I	--	--		Gastrointestinal	0 001	0 007	2 0E-08	0 001	1 2E-08	0 0008	1 7E-09		3 4E-09		
	Cadmium	0 233	0 0005	I	--	--	(a)	Urinary	0 001	0 05	2 4E-08	0 001	1 5E-08	0 0006	2 1E-09		4 2E-09		
	Chromium	3 67	0 003	I	--	--	(b)	None	0 002	0 025	7 6E-07	0 01	4 6E-07	0 006	6 6E-08		1 3E-07		
	Cobalt	4 35	0 0003	P	--	--		Endocrine	0 0004	1	1 8E-07	0 0006	1 1E-07	0 0004	1 6E-08		3 1E-08		
	Iron	1820	0 7	P	--	--		Gastrointestinal	0 001	1	1 9E-04	0 0003	1 1E-04	0 0002	1 6E-05		3 2E-05		
	Manganese	419	0 024	S	--	--		Nervous	0 001	0 04	4 4E-05	0 05	2 6E-05	0 03	3 7E-06		7 5E-06		
	Thallium	0 0358	0 00001	X	--	--		Skin, Hair & Nails	0 001	1	3 7E-09	0 0004	2 2E-09	0 0002	3 2E-10		6 4E-10		
	Uranium	0 756	0 0002	A	--	--		Urinary	0 001	1	7 9E-08	0 0004	4 7E-08	0 0002	6 7E-09		1 3E-08		
	Vanadium	5 07	0 00504	S	--	--		Skin, Hair & Nails	0 001	0 026	5 3E-07	0 004	3 2E-07	0 002	4 5E-08		9 0E-08		
								Dermal Total				**0.07**		**0.04**		**1E-08**		**2E-08**	**3E-08**
								Ingestion and Dermal Total				**0.1**		**0.06**		**5E-08**		**5E-08**	**1E-07**

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0 001	0 0004
Endocrine HI	0 02	0 005
Gastrointestinal HI	0 006	0 002
Hematologic HI	0 004	0 001
Nervous HI	0 08	0 03
Skin, Hair & Nails HI	0 01	0 005
Urinary HI	0 01	0 003

Table 5-72. Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Surface Water for Non-Lead COPCS for the CTE: Resident with Beach

Pathway	Analyte Name	Surface Water EPC (unfiltered; µg/L)	Toxicity Values				Notes	Primary Target Organ System(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				TWA
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Incidental Ingestion	Aluminum	722	1	P	--	--		Nervous			1 0E-04	0 0001	1 5E-05	0 00001	3 0E-06		1 7E-06		
	Antimony	0 643	0 0004	I	--	--		Hematologic			9 2E-08	0 0002	1 3E-08	0 00003	2 6E-09		1 5E-09		
	RBA Adjusted Arsenic	0 174	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			2 5E-08	0 00008	3 5E-09	0 00001	7 1E-10	1E-09	4 0E-10	6E-10	2E-09
	Barium	154	0 2	I	--	--		Urinary			2 2E-05	0 0001	3 1E-06	0 00002	6 3E-07		3 6E-07		
	Beryllium	0 189	0 002	I	--	--		Gastrointestinal			2 7E-08	0 00001	3 8E-09	0 000002	7 7E-10		4 4E-10		
	Cadmium	0 233	0 0005	I	--	--	(a)	Urinary			3 3E-08	0 00007	4 7E-09	0 000009	9 5E-10		5 4E-10		
	Chromium	3 67	0 003	I	--	--	(b)	None			5 3E-07	0 0002	7 5E-08	0 00002	1 5E-08		8 5E-09		
	Cobalt	4 35	0 0003	P	--	--		Endocrine			6 2E-07	0 002	8 8E-08	0 0003	1 8E-08		1 0E-08		
	Iron	1820	0 7	P	--	--		Gastrointestinal			2 6E-04	0 0004	3 7E-05	0 00005	7 4E-06		4 2E-06		
	Manganese	419	0 024	S	--	--		Nervous			6 0E-05	0 002	8 5E-06	0 0004	1 7E-06		9 7E-07		
	Thallium	0 0358	0 00001	X	--	--		Skin, Hair & Nails			5 1E-09	0 0005	7 3E-10	0 00007	1 5E-10		8 3E-11		
	Uranium	0 756	0 0002	A	--	--		Urinary			1 1E-07	0 0005	1 5E-08	0 00008	3 1E-09		1 8E-09		
	Vanadium	5 07	0 00504	S	--	--		Skin, Hair & Nails			7 3E-07	0 0001	1 0E-07	0 00002	2 1E-08		1 2E-08		
								Ingestion Total				0 007		0 001		**1E-09**		**6E-10**	**2E-09**
Dermal	Aluminum	722	1	P	--	--		Nervous	0 001	1	1 6E-05	0 00002	9 6E-06	0 00001	4 7E-07		1 1E-06		
	Antimony	0 643	0 0004	I	--	--		Hematologic	0 001	0 15	1 5E-08	0 0002	8 6E-09	0 0001	4 2E-10		9 8E-10		
	Arsenic	0 841	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 001	1	1 9E-08	0 00006	1 1E-08	0 00004	5 5E-10	8E-10	1 3E-09	2E-09	3E-09
	Barium	154	0 2	I	--	--		Urinary	0 001	0 07	3 5E-06	0 0002	2 0E-06	0 0001	1 0E-07		2 3E-07		
	Beryllium	0 189	0 002	I	--	--		Gastrointestinal	0 001	0 007	4 3E-09	0 0003	2 5E-09	0 0002	1 2E-10		2 9E-10		
	Cadmium	0 233	0 0005	I	--	--	(a)	Urinary	0 001	0 05	5 3E-09	0 0002	3 1E-09	0 0001	1 5E-10		3 5E-10		
	Chromium	3 67	0 003	I	--	--	(b)	None	0 002	0 025	1 7E-07	0 002	9 8E-08	0 001	4 8E-09		1 1E-08		
	Cobalt	4 35	0 0003	P	--	--		Endocrine	0 0004	1	4 0E-08	0 0001	2 3E-08	0 00008	1 1E-09		2 6E-09		
	Iron	1820	0 7	P	--	--		Gastrointestinal	0 001	1	4 1E-05	0 00006	2 4E-05	0 00003	1 2E-06		2 8E-06		
	Manganese	419	0 024	S	--	--		Nervous	0 001	0 04	9 5E-06	0 01	5 6E-06	0 006	2 7E-07		6 4E-07		
	Thallium	0 0358	0 00001	X	--	--		Skin, Hair & Nails	0 001	1	8 2E-10	0 00008	4 8E-10	0 00005	2 3E-11		5 5E-11		
	Uranium	0 756	0 0002	A	--	--		Urinary	0 001	1	1 7E-08	0 00009	1 0E-08	0 00005	4 9E-10		1 2E-09		
	Vanadium	5 07	0 00504	S	--	--		Skin, Hair & Nails	0 001	0 026	1 2E-07	0 0009	6 8E-08	0 0005	3 3E-09		7 7E-09		
								Dermal Total				0 01		0 008		**8E-10**		**2E-09**	**3E-09**
								Ingestion and Dermal Total				0 02		0 009		**2E-09**		**3E-09**	**4E-09**

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0 0001	0 00005
Endocrine HI	0 002	0 0004
Gastrointestinal HI	0 0008	0 0003
Hematologic HI	0 0005	0 0002
Nervous HI	0 01	0 006
Skin, Hair & Nails HI	0 002	0 0007
Urinary HI	0 001	0 0004

Table 5-73. Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Surface Water for Non-Lead COPCS for the RME: Outdoor Worker

Pathway	Analyte Name	Surface Water EPC (unfiltered; µg/L)	Toxicity Values				Notes	Primary Target Organ System(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer Adult		Cancer Adult	
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg-d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk
Incidental Ingestion	Aluminum	722.3	1	P	--	--		Nervous			3.9E-05	0.00004		
	Antimony	0.64	0.0004	I	--	--		Hematologic			3.4E-08	0.00009		
	RBA Adjusted Arsenic	0.17	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails			9.3E-09	0.00003	3.3E-09	5E-09
	Barium	153.6	0.2	I	--	--		Urinary			8.2E-06	0.00004		
	Beryllium	0.19	0.002	I	--	--		Gastrointestinal			1.0E-08	0.00001		
	Cadmium	0.23	0.0005	I	--	--	(a)	Urinary			1.2E-08	0.00002		
	Chromium	3.67	0.003	I	--	--	(b)	None			2.0E-07	0.00007		
	Cobalt	4.35	0.0003	P	--	--		Endocrine			2.3E-07	0.0008		
	Iron	1817	0.7	P	--	--		Gastrointestinal			9.7E-05	0.0001		
	Manganese	418.9	0.024	S	--	--		Nervous			2.2E-05	0.0009		
	Thallium	0.04	0.00001	X	--	--		Skin, Hair & Nails			1.9E-09	0.0002		
	Uranium	0.76	0.0002	A	--	--		Urinary			4.0E-08	0.0002		
	Vanadium	5.07	0.00504	S	--	--		Skin, Hair & Nails			2.7E-07	0.00005		
										Ingestion Total		**0.003**		**5E-09**
Dermal	Aluminum	722.3	1	P	--	--		Nervous	0.001	1	7.8E-06	0.000008		
	Antimony	0.64	0.0004	I	--	--		Hematologic	0.001	0.15	6.9E-09	0.0001		
	Arsenic	0.84	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails	0.001	1	9.0E-09	0.00003	3.2E-09	5E-09
	Barium	153.6	0.2	I	--	--		Urinary	0.001	0.07	1.6E-06	0.0001		
	Beryllium	0.19	0.002	I	--	--		Gastrointestinal	0.001	0.007	2.0E-09	0.0001		
	Cadmium	0.23	0.0005	I	--	--	(a)	Urinary	0.001	0.05	2.5E-09	0.0001		
	Chromium	3.67	0.003	I	--	--	(b)	None	0.002	0.025	7.9E-08	0.001		
	Cobalt	4.35	0.0003	P	--	--		Endocrine	0.0004	1	1.9E-08	0.00006		
	Iron	1817	0.7	P	--	--		Gastrointestinal	0.001	1	2.0E-05	0.00003		
	Manganese	418.9	0.024	S	--	--		Nervous	0.001	0.04	4.5E-06	0.005		
	Thallium	0.04	0.00001	X	--	--		Skin, Hair & Nails	0.001	1	3.8E-10	0.00004		
	Uranium	0.76	0.0002	A	--	--		Urinary	0.001	1	8.1E-09	0.00004		
	Vanadium	5.07	0.00504	S	--	--		Skin, Hair & Nails	0.001	0.026	5.4E-08	0.0004		
										Dermal Total		**0.007**		**5E-09**
										Ingestion and Dermal Total		**0.009**		**1E-08**

-- = no toxicity value available

(a) Based on toxicity values for water.

(b) Based on toxicity values for Chromium (VI).

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0.00006
Endocrine HI	0.0008
Gastrointestinal HI	0.0003
Hematologic HI	0.0002
Nervous HI	0.006
Skin, Hair & Nails HI	0.0008
Urinary HI	0.0005

Table 5-74. Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Surface Water for Non-Lead COPCS for the CTE: Outdoor Worker

Pathway	Analyte Name	Surface Water EPC (unfiltered; µg/L)	Toxicity Values				Notes	Primary Target Organ Systems(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer Adult		Cancer Adult	
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk
Incidental Ingestion	Aluminum	722.3	1	P	--	--		Nervous			1.6E-05	0.00002	2.1E-06	
	Antimony	0.64	0.0004	I	--	--		Hematologic			1.4E-08	0.00004	1.9E-09	
	RBA Adjusted Arsenic	0.17	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails			3.9E-09	0.00001	5.0E-10	8E-10
	Barium	153.6	0.2	I	--	--		Urinary			3.5E-06	0.00002	4.4E-07	
	Beryllium	0.19	0.002	I	--	--		Gastrointestinal			4.3E-09	0.000002	5.5E-10	
	Cadmium	0.23	0.0005	I	--	--	(a)	Urinary			5.2E-09	0.00001	6.7E-10	
	Chromium	3.67	0.003	I	--	--	(b)	None			8.3E-08	0.00003	1.1E-08	
	Cobalt	4.35	0.0003	P	--	--		Endocrine			9.8E-08	0.0003	1.3E-08	
	Iron	1817	0.7	P	--	--		Gastrointestinal			4.1E-05	0.00006	5.3E-06	
	Manganese	418.9	0.024	S	--	--		Nervous			9.4E-06	0.0004	1.2E-06	
	Thallium	0.04	0.00001	X	--	--		Skin, Hair & Nails			8.1E-10	0.00008	1.0E-10	
	Uranium	0.76	0.0002	A	--	--		Urinary			1.7E-08	0.00009	2.2E-09	
	Vanadium	5.07	0.00504	S	--	--		Skin, Hair & Nails			1.1E-07	0.00002	1.5E-08	
										Ingestion Total		**0.001**		**8E-10**
Dermal	Aluminum	722.3	1	P	--	--		Nervous	0.001	1	6.5E-06	0.000007		
	Antimony	0.64	0.0004	I	--	--		Hematologic	0.001	0.15	5.8E-09	0.0001		
	Arsenic	0.84	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails	0.001	1	7.6E-09	0.00003	9.8E-10	1E-09
	Barium	153.6	0.2	I	--	--		Urinary	0.001	0.07	1.4E-06	0.0001		
	Beryllium	0.19	0.002	I	--	--		Gastrointestinal	0.001	0.007	1.7E-09	0.0001		
	Cadmium	0.23	0.0005	I	--	--	(a)	Urinary	0.001	0.05	2.1E-09	0.00008		
	Chromium	3.67	0.003	I	--	--	(b)	None	0.002	0.025	6.6E-08	0.0009		
	Cobalt	4.35	0.0003	P	--	--		Endocrine	0.0004	1	1.6E-08	0.00005		
	Iron	1817	0.7	P	--	--		Gastrointestinal	0.001	1	1.6E-05	0.00002		
	Manganese	418.9	0.024	S	--	--		Nervous	0.001	0.04	3.8E-06	0.004		
	Thallium	0.04	0.00001	X	--	--		Skin, Hair & Nails	0.001	1	3.2E-10	0.00003		
	Uranium	0.76	0.0002	A	--	--		Urinary	0.001	1	6.8E-09	0.00003		
	Vanadium	5.07	0.00504	S	--	--		Skin, Hair & Nails	0.001	0.026	4.6E-08	0.0003		
										Dermal Total		**0.006**		**1E-09**
										Ingestion and Dermal Total		**0.007**		**2E-09**

-- = no toxicity value available

(a) Based on toxicity values for water.

(b) Based on toxicity values for Chromium (VI).

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0.00004
Endocrine HI	0.0004
Gastrointestinal HI	0.0002
Hematologic HI	0.0001
Nervous HI	0.004
Skin, Hair & Nails HI	0.0005
Urinary HI	0.0003

Table 5-75. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Surface Water for Non-Lead COPCS for the RME: Recreational Visitor [c]

Pathway	Analyte Name	Surface Water EPC (unfiltered; µg/L)	Toxicity Values				Notes	Primary Target Organ(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				TWA
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg-d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Ingestion	Aluminum	722.3	1	P	--	--		Nervous			5.9E-04 - 7.9E-04	0.0006 - 0.0008	1.6E-04 - 3.3E-04	0.0002 - 0.0003	5.1E-05 - 6.8E-05		4.5E-05 - 9.3E-05		
	Antimony	0.64	0.0004	I	--	--		Hematologic			5.3E-07 - 7.0E-07	0.001 - 0.002	1.4E-07 - 2.9E-07	0.0004 - 0.0007	4.5E-08 - 6.0E-08		4.0E-08 - 8.3E-08		
	RBA Adjusted Arsenic	0.17	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails			1.4E-07 - 1.9E-07	0.0005 - 0.0006	3.8E-08 - 7.9E-08	0.0001 - 0.0003	1.2E-08 - 1.6E-08	2E-08 - 3E-08	1.1E-08 - 2.2E-08	2E-08 - 3E-08	4E-08 - 6E-08
	Barium	153.6	0.2	I	--	--		Urinary			1.3E-04 - 1.7E-04	0.0006 - 0.0008	3.4E-05 - 6.9E-05	0.0002 - 0.0003	1.1E-05 - 1.4E-05		9.6E-06 - 2.0E-05		
	Beryllium	0.19	0.002	I	--	--		Gastrointestinal			1.5E-07 - 2.1E-07	0.00008 - 0.0001	4.1E-08 - 8.5E-08	0.00002 - 0.00004	1.3E-08 - 1.8E-08		1.2E-08 - 2.4E-08		
	Cadmium	0.23	0.0005	I	--	--	(a)	Urinary			1.9E-07 - 2.6E-07	0.0004 - 0.0005	5.1E-08 - 1.1E-07	0.0001 - 0.0002	1.6E-08 - 2.2E-08		1.5E-08 - 3.0E-08		
	Chromium	3.67	0.003	I	--	--	(b)	None			3.0E-06 - 4.0E-06	0.001 - 0.001	8.0E-07 - 1.7E-06	0.0003 - 0.0006	2.6E-07 - 3.4E-07		2.3E-07 - 4.7E-07		
	Cobalt	4.35	0.0003	P	--	--		Endocrine			3.6E-06 - 4.8E-06	0.01 - 0.02	9.5E-07 - 2.0E-06	0.003 - 0.007	3.1E-07 - 4.1E-07		2.7E-07 - 5.6E-07		
	Iron	1817	0.7	P	--	--		Gastrointestinal			1.5E-03 - 2.0E-03	0.002 - 0.003	4.0E-04 - 8.2E-04	0.0006 - 0.001	1.3E-04 - 1.7E-04		1.1E-04 - 2.3E-04		
	Manganese	418.9	0.024	S	--	--		Nervous			3.4E-04 - 4.6E-04	0.01 - 0.02	9.2E-05 - 1.9E-04	0.004 - 0.008	2.9E-05 - 3.9E-05		2.6E-05 - 5.4E-05		
	Thallium	0.04	0.00001	X	--	--		Skin, Hair & Nails			2.9E-08 - 3.9E-08	0.003 - 0.004	7.8E-09 - 1.6E-08	0.0008 - 0.002	2.5E-09 - 3.4E-09		2.2E-09 - 4.6E-09		
	Uranium	0.76	0.0002	A	--	--		Urinary			6.2E-07 - 8.3E-07	0.003 - 0.004	1.7E-07 - 3.4E-07	0.0008 - 0.002	5.3E-08 - 7.1E-08		4.7E-08 - 9.8E-08		
	Vanadium	5.07	0.00504	S	--	--		Skin Hair & Nails			4.1E-06 - 5.6E-06	0.0008 - 0.001	1.1E-06 - 2.3E-06	0.0002 - 0.0005	3.6E-07 - 4.8E-07		3.2E-07 - 6.5E-07		
								Ingestion Total				**0.04 - 0.05**		**0.01 - 0.02**		**2E-08 - 3E-08**		**2E-08 - 3E-08**	**4E-08 - 6E-08**
Dermal	Aluminum	722.3	1	P	--	--		Nervous	0.001	1	3.8E-05 - 5.0E-05	0.00004 - 0.00005	2.8E-05 - 5.8E-05	0.00003 - 0.00006	3.2E-06 - 4.3E-06		8.1E-06 - 1.7E-05		
	Antimony	0.64	0.0004	I	--	--		Hematologic	0.001	0.15	3.3E-08 - 4.5E-08	0.0006 - 0.0007	2.5E-08 - 5.2E-08	0.0004 - 0.0009	2.9E-09 - 3.8E-09		7.2E-09 - 1.5E-08		
	Arsenic	0.84	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails	0.001	1	4.4E-08 - 5.9E-08	0.0001 - 0.0002	3.3E-08 - 6.8E-08	0.0001 - 0.0002	3.8E-09 - 5.0E-09	6E-09 - 8E-09	9.4E-09 - 1.9E-08	1E-08 - 3E-08	2E-08 - 4E-08
	Barium	153.6	0.2	I	--	--		Urinary	0.001	0.07	8.0E-06 - 1.1E-05	0.0006 - 0.0008	6.0E-06 - 1.2E-05	0.0004 - 0.0009	6.9E-07 - 9.2E-07		1.7E-06 - 3.5E-06		
	Beryllium	0.19	0.002	I	--	--		Gastrointestinal	0.001	0.007	9.8E-09 - 1.3E-08	0.0007 - 0.0009	7.4E-09 - 1.5E-08	0.0005 - 0.001	8.4E-10 - 1.1E-09		2.1E-09 - 4.4E-09		
	Cadmium	0.23	0.0005	I	--	--	(a)	Urinary	0.001	0.05	1.2E-08 - 1.6E-08	0.0005 - 0.0007	9.1E-09 - 1.9E-08	0.0004 - 0.0008	1.0E-09 - 1.4E-09		2.6E-09 - 5.4E-09		
	Chromium	3.67	0.003	I	--	--	(b)	None	0.002	0.025	3.8E-07 - 5.1E-07	0.005 - 0.007	2.9E-07 - 5.9E-07	0.004 - 0.008	3.3E-08 - 4.4E-08		8.2E-08 - 1.7E-07		
	Cobalt	4.35	0.0003	P	--	--		Endocrine	0.0004	1	9.1E-08 - 1.2E-07	0.0003 - 0.0004	6.8E-08 - 1.4E-07	0.0002 - 0.0005	7.8E-09 - 1.0E-08		1.9E-08 - 4.0E-08		
	Iron	1817	0.7	P	--	--		Gastrointestinal	0.001	1	9.5E-05 - 1.3E-04	0.0001 - 0.0002	7.1E-05 - 1.5E-04	0.0001 - 0.0002	8.1E-06 - 1.1E-05		2.0E-05 - 4.2E-05		
	Manganese	418.9	0.024	S	--	--		Nervous	0.001	0.04	2.2E-05 - 2.9E-05	0.02 - 0.03	1.6E-05 - 3.4E-05	0.02 - 0.04	1.9E-06 - 2.5E-06		4.7E-06 - 9.7E-06		
	Thallium	0.04	0.00001	X	--	--		Skin, Hair & Nails	0.001	1	1.9E-09 - 2.5E-09	0.0002 - 0.0002	1.4E-09 - 2.9E-09	0.0001 - 0.0003	1.6E-10 - 2.1E-10		4.0E-10 - 8.3E-10		
	Uranium	0.76	0.0002	A	--	--		Urinary	0.001	1	3.9E-08 - 5.3E-08	0.0002 - 0.0003	3.0E-08 - 6.1E-08	0.0001 - 0.0003	3.4E-09 - 4.5E-09		8.4E-09 - 1.7E-08		
	Vanadium	5.07	0.00504	S	--	--		Skin, Hair & Nails	0.001	0.026	2.6E-07 - 3.5E-07	0.002 - 0.003	2.0E-07 - 4.1E-07	0.002 - 0.003	2.3E-08 - 3.0E-08		5.7E-08 - 1.2E-07		
								Dermal Total				**0.03 - 0.04**		**0.02 - 0.05**		**6E-09 - 8E-09**		**1E-08 - 3E-08**	**2E-08 - 4E-08**
								Ingestion and Dermal Total				**0.07 - 0.1**		**0.04 - 0.07**		**2E-08 - 3E-08**		**3E-08 - 6E-08**	**5E-08 - 1E-07**

-- = no toxicity value available

(a) Based on toxicity values for water.

(b) Based on toxicity values for Chromium (VI).

(c) ranges shown in this table are across the three trip types a recreational visitor may go on beach trip, boat day trip, and camping trip

Sources I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0.0004 - 0.0008	0.0002 - 0.0005
Endocrine HI	0.009-0.02	0.003 - 0.007
Gastrointestinal HI	0.002 - 0.004	0.001 - 0.003
Hematologic HI	0.001 -0.003	0.0006 - 0.002
Nervous HI	0.03 - 0.05	0.02 - 0.04
Skin, Hair & Nails HI	0.005 - 0.009	0.002 - 0.006
Urinary HI	0.004 - 0.007	0.002 - 0.004

Table 5-76. Range of Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Surface Water for Non-Lead COPCS for the CTE: Recreational Visitor [c]

Pathway	Analyte Name	Surface Water EPC (unfiltered; µg/L)	Toxicity Values				Notes	Primary Target Organ(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Ingestion	Aluminum	722.3	1	P	--	--		Nervous			3.1E-05 - 4.1E-05	0.00003 - 0.00004	5.0E-06 - 8.4E-06	0.000005 - 0.000008	8.7E-07 - 1.2E-06		5.7E-07 - 9.6E-07		
	Antimony	0.64	0.0004	I	--	--		Hematologic			2.7E-08 - 3.6E-08	0.00007 - 0.00009	4.4E-09 - 7.5E-09	0.00001 - 0.00002	7.8E-10 - 1.0E-09		5.1E-10 - 8.6E-10		
	RBA Adjusted Arsenic	0.17	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails			7.4E-09 - 9.8E-09	0.00002 - 0.00003	1.2E-09 - 2.0E-09	0.000004 - 0.000007	2.1E-10 - 2.8E-10	3E-10 - 4E-10	1.4E-10 - 2.3E-10	2E-10 - 4E-10	5E-10 - 8E-10
	Barium	153.6	0.2	I	--	--		Urinary			6.5E-06 - 8.7E-06	0.00003 - 0.00004	1.1E-06 - 1.8E-06	0.000005 - 0.000009	1.9E-07 - 2.5E-07		1.2E-07 - 2.0E-07		
	Beryllium	0.19	0.002	I	--	--		Gastrointestinal			8.0E-09 - 1.1E-08	0.000004 - 0.000005	1.3E-09 - 2.2E-09	0.0000007 - 0.000001	2.3E-10 - 3.1E-10		1.5E-10 - 2.5E-10		
	Cadmium	0.23	0.0005	I	--	--	(a)	Urinary			9.8E-09 - 1.3E-08	0.00002 - 0.00003	1.6E-09 - 2.7E-09	0.000003 - 0.000005	2.8E-10 - 3.8E-10		1.8E-10 - 3.1E-10		
	Chromium	3.67	0.003	I	--	--	(b)	None			1.6E-07 - 2.1E-07	0.00005 - 0.00007	2.5E-08 - 4.3E-08	0.000008 - 0.00001	4.4E-09 - 5.9E-09		2.9E-09 - 4.9E-09		
	Cobalt	4.35	0.0003	P	--	--		Endocrine			1.8E-07 - 2.5E-07	0.0006 - 0.0008	3.0E-08 - 5.1E-08	0.0001 - 0.0002	5.3E-09 - 7.0E-09		3.4E-09 - 5.8E-09		
	Iron	1817	0.7	P	--	--		Gastrointestinal			7.7E-05 - 1.0E-04	0.0001 - 0.0001	1.3E-05 - 2.1E-05	0.00002 - 0.00003	2.2E-06 - 2.9E-06		1.4E-06 - 2.4E-06		
	Manganese	418.9	0.024	S	--	--		Nervous			1.8E-05 - 2.4E-05	0.0007 - 0.001	2.9E-06 - 4.9E-06	0.0001 - 0.0002	5.1E-07 - 6.8E-07		3.3E-07 - 5.6E-07		
	Thallium	0.04	0.00001	X	--	--		Skin, Hair & Nails			1.5E-09 - 2.0E-09	0.0002 - 0.0002	2.5E-10 - 4.2E-10	0.00002 - 0.00004	4.3E-11 - 5.8E-11		2.8E-11 - 4.8E-11		
	Uranium	0.76	0.0002	A	--	--		Urinary			3.2E-08 - 4.3E-08	0.0002 - 0.0002	5.2E-09 - 8.8E-09	0.00003 - 0.00004	9.1E-10 - 1.2E-09		6.0E-10 - 1.0E-09		
	Vanadium	5.07	0.00504	S	--	--		Skin Hair & Nails			2.1E-07 - 2.9E-07	0.00004 - 0.00006	3.5E-08 - 5.9E-08	0.000007 - 0.00001	6.1E-09 - 8.2E-09		4.0E-09 - 6.7E-09		
								Ingestion Total				**0.002 - 0.003**		**0.0003 - 0.0006**		**3E-10 - 4E-10**		**2E-10 - 4E-10**	**5E-10 - 8E-10**
Dermal	Aluminum	722.3	1	P	--	--		Nervous	0.001	1	4.9E-06 - 6.5E-06	0.000005 - 0.000006	3.3E-06 - 5.5E-06	0.000003 - 0.000006	1.4E-07 - 1.9E-07		3.7E-07 - 6.3E-07		
	Antimony	0.64	0.0004	I	--	--		Hematologic	0.001	0.15	4.3E-09 - 5.8E-09	0.00007 - 0.0001	2.9E-09 - 4.9E-09	0.00005 - 0.00008	1.2E-10 - 1.7E-10		3.3E-10 - 5.6E-10		
	Arsenic	0.84	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails	0.001	1	5.7E-09 - 7.6E-09	0.00002 - 0.00003	3.8E-09 - 6.4E-09	0.00001 - 0.00002	1.6E-10 - 2.2E-10	2E-10 - 3E-10	4.4E-10 - 7.3E-10	7E-10 - 1E-09	9E-10 - 1E-09
	Barium	153.6	0.2	I	--	--		Urinary	0.001	0.07	1.0E-06 - 1.4E-06	0.00007 - 0.0001	7.0E-07 - 1.2E-06	0.00005 - 0.00008	2.9E-08 - 3.9E-08		8.0E-08 - 1.3E-07		
	Beryllium	0.19	0.002	I	--	--		Gastrointestinal	0.001	0.007	1.3E-09 - 1.7E-09	0.00009 - 0.0001	8.6E-10 - 1.4E-09	0.00006 - 0.0001	3.6E-11 - 4.9E-11		9.8E-11 - 1.6E-10		
	Cadmium	0.23	0.0005	I	--	--	(a)	Urinary	0.001	0.05	1.6E-09 - 2.1E-09	0.00006 - 0.00008	1.1E-09 - 1.8E-09	0.00004 - 0.00007	4.5E-11 - 6.0E-11		1.2E-10 - 2.0E-10		
	Chromium	3.67	0.003	I	--	--	(b)	None	0.002	0.025	4.9E-08 - 6.6E-08	0.0007 - 0.0009	3.3E-08 - 5.6E-08	0.0004 - 0.0007	1.4E-09 - 1.9E-09		3.8E-09 - 6.4E-09		
	Cobalt	4.35	0.0003	P	--	--		Endocrine	0.0004	1	1.2E-08 - 1.6E-08	0.00004 - 0.00005	7.9E-09 - 1.3E-08	0.00003 - 0.00004	3.3E-10 - 4.5E-10		9.0E-10 - 1.5E-09		
	Iron	1817	0.7	P	--	--		Gastrointestinal	0.001	1	1.2E-05 - 1.6E-05	0.00002 - 0.00002	8.2E-06 - 1.4E-05	0.00001 - 0.00002	3.5E-07 - 4.7E-07		9.4E-07 - 1.6E-06		
	Manganese	418.9	0.024	S	--	--		Nervous	0.001	0.04	2.8E-06 - 3.8E-06	0.003 - 0.004	1.9E-06 - 3.2E-06	0.002 - 0.003	8.0E-08 - 1.1E-07		2.2E-07 - 3.7E-07		
	Thallium	0.04	0.00001	X	--	--		Skin, Hair & Nails	0.001	1	2.4E-10 - 3.2E-10	0.00002 - 0.00003	1.6E-10 - 2.7E-10	0.00002 - 0.00003	6.9E-12 - 9.2E-12		1.9E-11 - 3.1E-11		
	Uranium	0.76	0.0002	A	--	--		Urinary	0.001	1	5.1E-09 - 6.8E-09	0.00003 - 0.00003	3.4E-09 - 5.8E-09	0.00002 - 0.00003	1.5E-10 - 1.9E-10		3.9E-10 - 6.6E-10		
	Vanadium	5.07	0.00504	S	--	--		Skin, Hair & Nails	0.001	0.026	3.4E-08 - 4.6E-08	0.0003 - 0.0003	2.3E-08 - 3.9E-08	0.0002 - 0.0003	9.7E-10 - 1.3E-09		2.6E-09 - 4.4E-09		
								Dermal Total				**0.004 - 0.006**		**0.003 - 0.005**		**2E-10 - 3E-10**		**7E-10 - 1E-09**	**9E-10 - 1E-09**
								Ingestion and Dermal Total				**0.006 - 0.008**		**0.003 - 0.005**		**6E-10 - 8E-10**		**9E-10 - 1E-09**	**1E-09 - 2E-09**

-- = no toxicity value available

(a) Based on toxicity values for water.

(b) Based on toxicity values for Chromium (VI).

(c) ranges shown in this table are across the three trip types a recreational visitor may go on beach trip, boat day trip, and camping trip

Sources I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Total by Target Organ System:

Cardiovascular HI	0.00003 - 0.00006	0.00001 - 0.00003
Endocrine HI	0.0005 - 0.0009	0.0001 - 0.0002
Gastrointestinal HI	0.0002 - 0.0003	0.00007 - 0.0002
Hematologic HI	0.0001 - 0.0002	0.00005 - 0.0001
Nervous HI	0.003 - 0.005	0.002 - 0.004
Skin, Hair & Nails HI	0.0004 - 0.0007	0.0002 - 0.0004
Urinary HI	0.0003 - 0.0005	0.0001 - 0.0002

Table 5-77a. Non-Cancer and Cancer Risks from Inhalation of Outdoor Air for Non-Lead COPCS for the RME: Resident with and without Beach

Analyte Name	Air EPC ($\mu g/m^3$)	Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
								Child		Adult		Child		Adult		
		iRfC (mg/m^3)	iRfC Source	iUR $(ug/m^3)^{-1}$	iUR Source			EC (mg/m^3)	HQ	EC (mg/m^3)	HQ	EC (ug/m^3)	Risk	EC (ug/m^3)	Risk	
Arsenic	0.0059	1.5E-05	C	0.0043	I		Nervous	3.8E-07	0.03	7.3E-07	0.05	3.2E-05	1E-07	2.1E-04	9E-07	1E-06
Cadmium	0.00201	0.00001	A	0.0018	I	(a)	Urinary	1.3E-07	0.01	2.5E-07	0.02	1.1E-05	2E-08	7.1E-05	1E-07	1E-07
							Inhalation Total		**0.04**		**0.07**		**2E-07**		**1E-06**	**1E-06**

(a) Based on toxicity values for food.

Total by Target Organ System:

Sources: I = IRIS A = ATSDR C = California EPA

Nervous HI	0.03	0.05
Urinary HI	0.01	0.02

Table 5-77b. Non-Cancer and Cancer Risks from Inhalation of Outdoor Air for Non-Lead COPCS for the CTE: Resident with and without Beach

Analyte Name	Air EPC ($\mu g/m^3$)	Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
								Child		Adult		Child		Adult		
		iRfC (mg/m^3)	iRfC Source	iUR $(ug/m^3)^{-1}$	iUR Source			EC (mg/m^3)	HQ	EC (mg/m^3)	HQ	EC (ug/m^3)	Risk	EC (ug/m^3)	Risk	
Arsenic	0.0059	1.5E-05	C	0.0043	I		Nervous	2.8E-07	0.02	5.3E-07	0.04	7.9E-06	3E-08	6.1E-05	3E-07	3E-07
Cadmium	0.00201	0.00001	A	0.0018	I	(a)	Urinary	9.4E-08	0.009	1.8E-07	0.02	2.7E-06	5E-09	2.1E-05	4E-08	4E-08
							Inhalation Total		**0.03**		**0.05**		**4E-08**		**3E-07**	**3E-07**

(a) Based on toxicity values for food.

Total by Target Organ System:

Sources: I = IRIS A = ATSDR C = California EPA

Nervous HI	0.02	0.04
Urinary HI	0.009	0.02

Table 5-78a. Non-Cancer and Cancer Risks from Inhalation of Outdoor Air for Non-Lead COPCS for the RME: Outdoor Worker

Analyte Name	Air EPC ($\mu g/m^3$)	Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer		Cancer	
								Adult		Adult	
		iRfC (mg/m^3)	iRfC Source	iUR $(ug/m^3)^{-1}$	iUR Source			EC (mg/m^3)	HQ	EC (ug/m^3)	Risk
Arsenic	0.0059	0.000015	C	0.0043	I		Nervous	1.3E-06	0.09	4.8E-04	2E-06
Cadmium	0.00201	0.00001	A	0.0018	I	(a)	Urinary	4.6E-07	0.05	1.6E-04	3E-07
							Inhalation Total		**0.1**		**2E-06**

(a) Based on toxicity values for food.

Sources: I = IRIS A = ATSDR C = California EPA

Total by Target Organ System:

Nervous HI	0.09
Urinary HI	0.05

Table 5-78b. Non-Cancer and Cancer Risks from Inhalation of Outdoor Air for Non-Lead COPCS for the CTE: Outdoor Worker

Analyte Name	Air EPC ($\mu g/m^3$)	Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer		Cancer	
								Adult		Adult	
		iRfC (mg/m^3)	iRfC Source	iUR $(ug/m^3)^{-1}$	iUR Source			EC (mg/m^3)	HQ	EC (ug/m^3)	Risk
Arsenic	0.0059	0.000015	C	0.0043	I		Nervous	1.2E-06	0.08	1.5E-04	7E-07
Cadmium	0.00201	0.00001	A	0.0018	I	(a)	Urinary	4.0E-07	0.04	5.2E-05	9E-08
							Inhalation Total		**0.1**		**7E-07**

(a) Based on toxicity values for food.

Sources: I = IRIS A = ATSDR C = California EPA

Total by Target Organ System:

Nervous HI	0.08
Urinary HI	0.04

Table 5-79a. Range of Non-Cancer and Cancer Risks from Inhalation of Outdoor Air for Non-Lead COPCS for the RME: Recreational Visitor[b]

Analyte Name	Air EPC ($\mu g/m^3$)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		
		iRfC (mg/m^3)	iRfC Source	iUR $(ug/m^3)^{-1}$	iUR Source			EC (mg/m^3)	HQ	EC (mg/m^3)	HQ	EC (ug/m^3)	Risk	EC (ug/m^3)	Risk	TWA
Arsenic	0 0059	1 5E-05	C	0 0043	I		Nervous	5 7E-08 - 1 6E-7	0 004 - 0 01	7 0E-8 - 3 2E-07	0 005 - 0 02	4 9E-06 - 1 4E-05	2E-08 - 6E-08	2 0E-5 - 9 2E-05	9E-08 - 4E-07	1E-07 - 5E-07
Cadmium	0 00201	0 00001	A	0 0018	I	(a)	Urinary	1 9E-08 - 5 5E-08	0 002 - 0 006	2 4E-08 - 1 1E-07	0 002 - 0 01	1 7E-06 - 4 7E-06	3E-09 - 8E-09	6 8E-06 - 3 1E-05	1E-08 - 6E-08	2E-08 - 7E-08
							Inhalation Total	**Total**	**0.006 - 0.01**		**0.007 - 0.03**		**2E-08 - 7E-8**		**1E-07 -5E-07**	**1E-07 - 5E-07**

(a) Based on toxicity values for food

(b) ranges shown in this file are across the three trip types a recreational visitor may go on: beach trip, boat day trip, and camping trip

Total by Target Organ System:

Nervous HI	0 004 -0 01	0 005 - 0 02
Urinary HI	0 002 - 0 006	0 002 - 0 01

Sources: I = IRIS A = ATSDR C = California EPA

Table 5-79b. Non-Cancer and Cancer Risks from Inhalation of Outdoor Air for Non-Lead COPCS for the CTE: Recreational Visitor[b]

Analyte Name	Air EPC ($\mu g/m^3$)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		
		iRfC (mg/m^3)	iRfC Source	iUR $(ug/m^3)^{-1}$	iUR Source			EC (mg/m^3)	HQ	EC (mg/m^3)	HQ	EC (ug/m^3)	Risk	EC (ug/m^3)	Risk	TWA
Arsenic	0 0059	1 5E-05	C	0 0043	I		Nervous	9 1E-09 - 4 6E-8	0 001 - 0 003	1 1E-8 - 5 9E-08	0 0007 - 0 004	2 6E-07 - 1 3E-06	1E-09 - 6E-09	1 2E-6 - 6 8E-06	5E-09 - 3E-08	6E-09 - 3E-08
Cadmium	0 00201	0 00001	A	0 0018	I	(a)	Urinary	3 1E-09 - 1 6E-08	0 0003 - 0 002	3 6E-09 - 2 0E-08	0 0004 - 0 002	8 9E-08 - 4 5E-07	2E-10 - 8E-10	4 1E-07 - 2 3E-06	7E-10 - 4E-09	9E-10 - 5E-09
							Inhalation Total		**0.0009 - 0.005**		**0.001 - 0.006**		**1E-09 - 7E-8**		**6E-09 -5E-07**	**7E-09 - 4E-08**

(a) Based on toxicity values for food

(b) ranges shown in this table are across the three trip types a recreational visitor may go on: beach trip, boat day trip, and camping trip

Total by Target Organ System:

Nervous HI	0 0006 -0 003	0 0007 - 0 004
Urinary HI	0 0003 - 0 002	0 0004 - 0 002

Table 5-80a. Non-Cancer and Cancer Risks from Inhalation of Indoor Air for Non-Lead COPCS for the RME: Resident with and without Beach

Analyte Name	Air EPC ($\mu g/m^3$)	Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
								Child		Adult		Child		Adult		
		iRfC (mg/m^3)	iRfC Source	iUR $(ug/m^3)^{-1}$	iUR Source			EC (mg/m^3)	HQ	EC (mg/m^3)	HQ	EC (ug/m^3)	Risk	EC (ug/m^3)	Risk	
Arsenic	0.0059	1.5E-05	C	0.0043	I		Nervous	5.2E-06	0.3	4.7E-06	0.3	4.4E-04	2E-06	1.3E-03	6E-06	8E-06
Cadmium	0.00201	0.00001	A	0.0018	I	(a)	Urinary	1.8E-06	0.2	1.6E-06	0.2	1.5E-04	3E-07	4.6E-04	8E-07	1E-06
							Inhalation Total		**0.5**		**0.5**		**2E-06**		**7E-06**	**9E-06**

(a) Based on toxicity values for food.

Total by Target Organ System:

Sources: I = IRIS A = ATSDR C = California EPA

Nervous HI	0.3	0.3
Urinary HI	0.2	0.2

Table 5-80b. Non-Cancer and Cancer Risks from Inhalation of Indoor Air for Non-Lead COPCS for the CTE: Resident with and without Beach

Analyte Name	Air EPC ($\mu g/m^3$)	Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
								Child		Adult		Child		Adult		
		iRfC (mg/m^3)	iRfC Source	iUR $(ug/m^3)^{-1}$	iUR Source			EC (mg/m^3)	HQ	EC (mg/m^3)	HQ	EC (ug/m^3)	Risk	EC (ug/m^3)	Risk	
Arsenic	0.0059	1.5E-05	C	0.0043	I		Nervous	3.8E-06	0.3	3.4E-06	0.2	1.1E-04	5E-07	3.9E-04	2E-06	2E-06
Cadmium	0.00201	0.00001	A	0.0018	I	(a)	Urinary	1.3E-06	0.1	1.2E-06	0.1	3.7E-05	7E-08	1.3E-04	2E-07	3E-07
							Inhalation Total		**0.4**		**0.3**		**5E-07**		**2E-06**	**2E-06**

(a) Based on toxicity values for food.

Total by Target Organ System:

Sources: I = IRIS A = ATSDR C = California EPA

Nervous HI	0.3	0.2
Urinary HI	0.1	0.1

Table 5-81. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Resident (with or without Beach): Burbot Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.697*	mg/kg ww	1	P	--	--		Nervous	6 5E-04	0 0007	2 4E-04	0 0002	5 6E-05	--	7 0E-05	--	--
	Antimony	*0.0277*	mg/kg ww	0 0004	I	--	--		Hematologic	2 6E-05	0 06	9 7E-06	0 02	2 2E-06	--	2 8E-06	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.0625*	mg/kg ww	0 003	I	--	--	(b)	3E+02	5 8E-05	0 02	2 2E-05	0 007	5 0E-06	--	6 3E-06	--	--
	Mercury	*0.245*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	2 3E-04	2	8 6E-05	0 9	2 0E-05	--	2 5E-05	--	--
	Selenium	*0.357*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	3 3E-04	0 07	1 2E-04	0 02	2 9E-05	--	3 6E-05	--	--
	Thallium	*0.00733*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	6 8E-06	0 7	2 6E-06	0 3	5 9E-07	--	7 3E-07	--	--
	Zirconium	*0.00214*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	2 0E-06	0 02	7 5E-07	0 009	1 7E-07	--	2 1E-07	--	--
Pesticides	4,4'-DDE	*0.00102*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	9 5E-07	0 003	3 6E-07	0 001	8 2E-08	3E-08	1 0E-07	3E-08	6E-08
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*ND*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
PBDEs	PBDE-47	*0.00159*	mg/kg ww	0 0001	I	--	--		Nervous	1 5E-06	0 01	5 6E-07	0 006	1 3E-07	--	1 6E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		1		0 4		9E-06		1E-05	2E-05
	Dioxin/Furan TEQ only	*0.000000604*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	5 6E-10	*0.8*	2 1E-10	*0.3*	4 8E-11	*6E-06*	6 0E-11	*8E-06*	*1E-05*
	PCB TEQ only	*0.000000275*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	2 6E-10	*0.4*	9 6E-11	*0.1*	2 2E-11	*3E-06*	2 8E-11	*4E-06*	*6E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00189*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	1 8E-06	--	6 6E-07	--	1 5E-07	*3E-07*	1 9E-07	*4E-07*	*7E-07*
									Consumption Total		**4**		**2**		**9E-06**		**1E-05**	**2E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 02	0 009
Developmental HI	2	0 9
Endocrine HI	0 02	0 009
Gastrointestinal HI	0 003	0 001
Hematologic HI	0 1	0 05
Nervous HI	2	0 9
Reproductive HI	1	0 4
Skin, Hair & Nails HI	0 8	0 3

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-82. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Resident (with or without Beach): Kokanee Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.698*	mg/kg ww	1	P	--	--		Nervous	6 5E-04	0 0007	2 4E-04	0 0002	5 6E-05	--	7 0E-05	--	--
	Antimony	*0.0106*	mg/kg ww	0 0004	I	--	--		Hematologic	9 9E-06	0 02	3 7E-06	0 009	8 5E-07	--	1 1E-06	--	--
	Inorganic Arsenic	*0.00387*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	3 6E-06	0 01	1 4E-06	0 005	3 1E-07	5E-07	3 9E-07	6E-07	1E-06
	Chromium	*0.0665*	mg/kg ww	0 003	I	--	--	(b)	3E+02	6 2E-05	0 02	2 3E-05	0 008	5 3E-06	--	6 7E-06	--	--
	Mercury	*0.0652*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	6 1E-05	0 6	2 3E-05	0 2	5 2E-06	--	6 5E-06	--	--
	Selenium	*0.286*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	2 7E-04	0 05	1 0E-04	0 02	2 3E-05	--	2 9E-05	--	--
	Thallium	*0.0294*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	2 7E-05	3	1 0E-05	1	2 4E-06	--	2 9E-06	--	--
	Zirconium	*0.00763*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	7 1E-06	0 09	2 7E-06	0 03	6 1E-07	--	7 6E-07	--	--
Pesticides	4,4'-DDE	*0.00237*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	2 2E-06	0 007	8 3E-07	0 003	1 9E-07	6E-08	2 4E-07	8E-08	1E-07
	Dieldrin	*0.00027*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	2 5E-07	0 005	9 5E-08	0 002	2 2E-08	3E-07	2 7E-08	4E-07	8E-07
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00136*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	1 3E-06	0 002	4 8E-07	0 0006	1 1E-07	2E-07	1 4E-07	2E-07	4E-07
PBDEs	PBDE-47	*0.00265*	mg/kg ww	0 0001	I	--	--		Nervous	2 5E-06	0 02	9 3E-07	0 009	2 1E-07	--	2 7E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 7		0 3		6E-06		7E-06	1E-05
	Dioxin/Furan TEQ only	*0.000000187*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 7E-10	*0.2*	6 5E-11	*0.09*	1 5E-11	*2E-06*	1 9E-11	*2E-06*	*4E-06*
	PCB TEQ only	*0.000000375*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	3 5E-10	*0.5*	1 3E-10	*0.2*	3 0E-11	*4E-06*	3 8E-11	*5E-06*	*9E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00772*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	7 2E-06	--	2 7E-06	--	6 2E-07	*1E-06*	7 7E-07	*2E-06*	*3E-06*
									Consumption Total		**4**		**2**		**7E-06**		**9E-06**	**2E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 1	0 04
Developmental HI	0 6	0 2
Endocrine HI	0 09	0 03
Gastrointestinal HI	0 01	0 005
Hematologic HI	0 08	0 03
Nervous HI	0 7	0 3
Reproductive HI	0 7	0 3
Skin, Hair & Nails HI	3	1

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-83. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Resident (with or without Beach): Northern Pike Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.434*	mg/kg ww	1	P	--	--		Nervous	4 1E-04	0 0004	1 5E-04	0 0002	3 5E-05	--	4 3E-05	--	--
	Antimony	*0.00103*	mg/kg ww	0 0004	I	--	--		Hematologic	9 6E-07	0 002	3 6E-07	0 0009	8 2E-08	--	1 0E-07	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.114*	mg/kg ww	0 003	I	--	--	(b)	3E+02	1 1E-04	0 04	4 0E-05	0 01	9 1E-06	--	1 1E-05	--	--
	Mercury	*0.122*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	1 1E-04	1	4 3E-05	0 4	9 8E-06	--	1 2E-05	--	--
	Selenium	*0.647*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	6 0E-04	0 1	2 3E-04	0 05	5 2E-05	--	6 5E-05	--	--
	Thallium	*0.0131*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	1 2E-05	1	4 6E-06	0 5	1 0E-06	--	1 3E-06	--	--
	Zirconium	*NA*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	NA	NA	NA	NA	NA	--	NA	--	--
Pesticides	4,4'-DDE	*NA*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dieldrin	*NA*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	*NA*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOC	bis(2-Ethylhexyl)phthalate	*NA*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	*NA*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
PBDEs	PBDE-47	*NA*	mg/kg ww	0 0001	I	--	--		Nervous	NA	NA	NA	NA	NA	--	NA	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		NA		NA		NA		NA	NA
	Dioxin/Furan TEQ only	*NA*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	NA	*NA*	NA	*NA*	NA	*NA*	NA	*NA*	*NA*
	PCB TEQ only	*NA*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	NA	*NA*	NA	*NA*	NA	*NA*	NA	*NA*	*NA*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
									Consumption Total		**3**		**0.9**		**ND**		**ND**	**ND**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	ND	ND
Developmental HI	1	0 4
Endocrine HI	NA	NA
Gastrointestinal HI	NA	NA
Hematologic HI	0 1	0 05
Nervous HI	1	0 5
Reproductive HI	NA	NA
Skin, Hair & Nails HI	1	0 5

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-84. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Resident (with or without Beach): Rainbow Trout Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.667*	mg/kg ww	1	P	--	--		Nervous	6 2E-04	0 0006	2 3E-04	0 0002	5 3E-05	--	6 7E-05	--	--
	Antimony	*0.0129*	mg/kg ww	0 0004	I	--	--		Hematologic	1 2E-05	0 03	4 5E-06	0 01	1 0E-06	--	1 3E-06	--	--
	Inorganic Arsenic	*0.00398*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	3 7E-06	0 01	1 4E-06	0 005	3 2E-07	5E-07	4 0E-07	6E-07	1E-06
	Chromium	*0.273*	mg/kg ww	0 003	I	--	--	(b)	3E+02	2 5E-04	0 08	9 6E-05	0 03	2 2E-05	--	2 7E-05	--	--
	Mercury	*0.0847*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	7 9E-05	0 8	3 0E-05	0 3	6 8E-06	--	8 5E-06	--	--
	Selenium	*0.339*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	3 2E-04	0 06	1 2E-04	0 02	2 7E-05	--	3 4E-05	--	--
	Thallium	*0.025*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	2 3E-05	2	8 8E-06	0 9	2 0E-06	--	2 5E-06	--	--
	Zirconium	*0.00586*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	5 5E-06	0 07	2 1E-06	0 03	4 7E-07	--	5 9E-07	--	--
Pesticides	4,4'-DDE	*0.00755*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	7 0E-06	0 02	2 6E-06	0 009	6 0E-07	2E-07	7 6E-07	3E-07	5E-07
	Dieldrin	*0.00023*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	2 1E-07	0 004	8 1E-08	0 002	1 8E-08	3E-07	2 3E-08	4E-07	7E-07
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00146*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	1 4E-06	0 002	5 1E-07	0 0006	1 2E-07	2E-07	1 5E-07	2E-07	4E-07
PBDEs	PBDE-47	*0.0077*	mg/kg ww	0 0001	I	--	--		Nervous	7 2E-06	0 07	2 7E-06	0 03	6 2E-07	--	7 7E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		1		0 5		1E-05		1E-05	2E-05
	Dioxin/Furan TEQ only	*0.000000604*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	5 6E-10	*0.8*	2 1E-10	*0.3*	4 8E-11	*6E-06*	6 0E-11	*8E-06*	*1E-05*
	PCB TEQ only	*0.000000356*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	3 3E-10	*0.5*	1 2E-10	*0.2*	2 8E-11	*4E-06*	3 6E-11	*5E-06*	*8E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		3E-06		4E-06	8E-06
	as Aroclor	*0.0187*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	1 7E-05	--	6 5E-06	--	1 5E-06	*3E-06*	1 9E-06	*4E-06*	*7E-06*
	as PCB Congener Sum	*0.021*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	2 0E-05	--	7 4E-06	--	1 7E-06	*3E-06*	2 1E-06	*4E-06*	*8E-06*
									Consumption Total		**5**		**2**		**1E-05**		**2E-05**	**3E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 08	0 03
Developmental HI	0 8	0 3
Endocrine HI	0 07	0 03
Gastrointestinal HI	0 03	0 01
Hematologic HI	0 09	0 04
Nervous HI	0 9	0 3
Reproductive HI	1	0 5
Skin, Hair & Nails HI	2	0 9

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-85. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Resident (with or without Beach): Smallmouth Bass Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.548*	mg/kg ww	1	P	--	--		Nervous	5 1E-04	0 0005	1 9E-04	0 0002	4 4E-05	--	5 5E-05	--	--
	Antimony	*0.00932*	mg/kg ww	0 0004	I	--	--		Hematologic	8 7E-06	0 02	3 3E-06	0 008	7 5E-07	--	9 3E-07	--	--
	Inorganic Arsenic	*0.0051*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	4 8E-06	0 02	1 8E-06	0 006	4 1E-07	6E-07	5 1E-07	8E-07	1E-06
	Chromium	*0.111*	mg/kg ww	0 003	I	--	--	(b)	3E+02	1 0E-04	0 03	3 9E-05	0 01	8 9E-06	--	1 1E-05	--	--
	Mercury	*0.173*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	1 6E-04	2	6 1E-05	0 6	1 4E-05	--	1 7E-05	--	--
	Selenium	*0.471*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	4 4E-04	0 09	1 6E-04	0 03	3 8E-05	--	4 7E-05	--	--
	Thallium	*0.0258*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	2 4E-05	2	9 0E-06	0 9	2 1E-06	--	2 6E-06	--	--
	Zirconium	*0.00173*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	1 6E-06	0 02	6 1E-07	0 008	1 4E-07	--	1 7E-07	--	--
Pesticides	4,4'-DDE	*0.0032*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	3 0E-06	0 01	1 1E-06	0 004	2 6E-07	9E-08	3 2E-07	1E-07	2E-07
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.001*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	9 3E-07	0 001	3 5E-07	0 0004	8 0E-08	1E-07	1 0E-07	2E-07	3E-07
PBDEs	PBDE-47	*0.00745*	mg/kg ww	0 0001	I	--	--		Nervous	7 0E-06	0 07	2 6E-06	0 03	6 0E-07	--	7 5E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		1		0 5		1E-05		1E-05	2E-05
	Dioxin/Furan TEQ only	*0.000000753*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	7 0E-10	*1*	2 6E-10	*0.4*	6 0E-11	*8E-06*	7 5E-11	*1E-05*	*2E-05*
	PCB TEQ only	*0.000000307*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	2 9E-10	*0.4*	1 1E-10	*0.2*	2 5E-11	*3E-06*	3 1E-11	*4E-06*	*7E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0072*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	6 7E-06	--	2 5E-06	--	5 8E-07	*1E-06*	7 2E-07	*1E-06*	*3E-06*
									Consumption Total		**6**		**2**		**1E-05**		**1E-05**	**3E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 04	0 01
Developmental HI	2	0 6
Endocrine HI	0 02	0 008
Gastrointestinal HI	0 01	0 004
Hematologic HI	0 1	0 04
Nervous HI	2	0 7
Reproductive HI	1	0 5
Skin, Hair & Nails HI	3	0 9

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-86. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Resident (with or without Beach): Sturgeon Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.712*	mg/kg ww	1	P	--	--		Nervous	6 6E-04	0 0007	2 5E-04	0 0002	5 7E-05	--	7 1E-05	--	--
	Antimony	*ND*	mg/kg ww	0 0004	I	--	--		Hematologic	ND	ND	ND	ND	ND	--	ND	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.0938*	mg/kg ww	0 003	I	--	--	(b)	3E+02	8 8E-05	0 03	3 3E-05	0 01	7 5E-06	--	9 4E-06	--	--
	Mercury	*0.0946*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	8 8E-05	0 9	3 3E-05	0 3	7 6E-06	--	9 5E-06	--	--
	Selenium	*1.14*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	1 1E-03	0 2	4 0E-04	0 08	9 1E-05	--	1 1E-04	--	--
	Thallium	*0.00384*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	3 6E-06	0 4	1 3E-06	0 1	3 1E-07	--	3 8E-07	--	--
	Zirconium	*NA*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	NA	NA	NA	NA	NA	--	NA	--	--
Pesticides	4,4'-DDE	*NA*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dieldrin	*NA*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	*NA*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOC	bis(2-Ethylhexyl)phthalate	*NA*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	*NA*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
PBDEs	PBDE-47	*0.00238*	mg/kg ww	0 0001	I	--	--		Nervous	2 2E-06	0 02	8 3E-07	0 008	1 9E-07	--	2 4E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 5		0 2		4E-06		5E-06	1E-05
	Dioxin/Furan TEQ only	*0.000000177*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 7E-10	*0.2*	6 2E-11	*0.09*	1 4E-11	*2E-06*	1 8E-11	*2E-06*	*4E-06*
	PCB TEQ only	*0.000000235*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	2 2E-10	*0.3*	8 2E-11	*0.1*	1 9E-11	*2E-06*	2 4E-11	*3E-06*	*6E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00871*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	8 1E-06	--	3 0E-06	--	7 0E-07	*1E-06*	8 7E-07	*2E-06*	*3E-06*
									Consumption Total		**2**		**0.8**		**4E-06**		**5E-06**	**1E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	ND	ND
Developmental HI	0 9	0 3
Endocrine HI	NA	NA
Gastrointestinal HI	NA	NA
Hematologic HI	0 2	0 08
Nervous HI	1	0 4
Reproductive HI	0 5	0 2
Skin, Hair & Nails HI	0 6	0 2

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-87. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Resident (with or without Beach): Sucker Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*1.11*	mg/kg ww	1	P	--	--		Nervous	1 0E-03	0 001	3 9E-04	0 0004	8 9E-05	--	1 1E-04	--	--
	Antimony	*0.0106*	mg/kg ww	0 0004	I	--	--		Hematologic	9 9E-06	0 02	3 7E-06	0 009	8 5E-07	--	1 1E-06	--	--
	Inorganic Arsenic	*0.00492*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	4 6E-06	0 02	1 7E-06	0 006	3 9E-07	6E-07	4 9E-07	7E-07	1E-06
	Chromium	*0.112*	mg/kg ww	0 003	I	--	--	(b)	3E+02	1 0E-04	0 03	3 9E-05	0 01	9 0E-06	--	1 1E-05	--	--
	Mercury	*0.296*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	2 8E-04	3	1 0E-04	1	2 4E-05	--	3 0E-05	--	--
	Selenium	*0.296*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	2 8E-04	0 06	1 0E-04	0 02	2 4E-05	--	3 0E-05	--	--
	Thallium	*0.0134*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	1 3E-05	1	4 7E-06	0 5	1 1E-06	--	1 3E-06	--	--
	Zirconium	*0.00225*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	2 1E-06	0 03	7 9E-07	0 01	1 8E-07	--	2 3E-07	--	--
Pesticides	4,4'-DDE	*0.0167*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	1 6E-05	0 05	5 8E-06	0 02	1 3E-06	5E-07	1 7E-06	6E-07	1E-06
	Dieldrin	*0.000253*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	2 4E-07	0 005	8 9E-08	0 002	2 0E-08	3E-07	2 5E-08	4E-07	7E-07
	Heptachlor epoxide	*0.000368*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	3 4E-07	0 03	1 3E-07	0 01	2 9E-08	3E-07	3 7E-08	3E-07	6E-07
SVOC	bis(2-Ethylhexyl)phthalate	*0.49*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	4 6E-04	0 02	1 7E-04	0 009	3 9E-05	5E-07	4 9E-05	7E-07	1E-06
	Hexachlorobenzene	*0.00215*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	2 0E-06	0 003	7 5E-07	0 0009	1 7E-07	3E-07	2 2E-07	3E-07	6E-07
PBDEs	PBDE-47	*0.028*	mg/kg ww	0 0001	I	--	--		Nervous	2 6E-05	0 3	9 8E-06	0 1	2 2E-06	--	2 8E-06	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		2		0 7		1E-05		2E-05	3E-05
	Dioxin/Furan TEQ only	*0.00000107*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 0E-09	*1*	3 7E-10	*0.5*	8 5E-11	*1E-05*	1 1E-10	*1E-05*	*2E-05*
	PCB TEQ only	*0.000000356*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	3 3E-10	*0.5*	1 2E-10	*0.2*	2 8E-11	*4E-06*	3 6E-11	*5E-06*	*8E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0596*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	5 6E-05	--	2 1E-05	--	4 8E-06	*1E-05*	6 0E-06	*1E-05*	*2E-05*
									Consumption Total		**6**		**2**		**2E-05**		**2E-05**	**4E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 04	0 02
Developmental HI	3	1
Endocrine HI	0 03	0 01
Gastrointestinal HI	0 1	0 04
Hematologic HI	0 08	0 03
Nervous HI	3	1
Reproductive HI	2	0 7
Skin, Hair & Nails HI	1	0 5

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-88. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Resident (with or without Beach): Walleye Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*30.8*	mg/kg ww	1	P	--	--		Nervous	2 9E-02	0 03	1 1E-02	0 01	2 5E-03	--	3 1E-03	--	--
	Antimony	*0.011*	mg/kg ww	0 0004	I	--	--		Hematologic	1 0E-05	0 03	3 9E-06	0 01	8 8E-07	--	1 1E-06	--	--
	Inorganic Arsenic	*0.00528*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	4 9E-06	0 02	1 8E-06	0 006	4 2E-07	6E-07	5 3E-07	8E-07	1E-06
	Chromium	*0.321*	mg/kg ww	0 003	I	--	--	(b)	3E+02	3 0E-04	0 1	1 1E-04	0 04	2 6E-05	--	3 2E-05	--	--
	Mercury	*0.179*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	1 7E-04	2	6 3E-05	0 6	1 4E-05	--	1 8E-05	--	--
	Selenium	*0.361*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	3 4E-04	0 07	1 3E-04	0 03	2 9E-05	--	3 6E-05	--	--
	Thallium	*0.0368*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	3 4E-05	3	1 3E-05	1	2 9E-06	--	3 7E-06	--	--
	Zirconium	*0.0786*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	7 3E-05	0 9	2 8E-05	0 3	6 3E-06	--	7 9E-06	--	--
Pesticides	4,4'-DDE	*0.00128*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	1 2E-06	0 004	4 5E-07	0 001	1 0E-07	3E-08	1 3E-07	4E-08	8E-08
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*0.22*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	2 1E-04	0 01	7 7E-05	0 004	1 8E-05	2E-07	2 2E-05	3E-07	6E-07
	Hexachlorobenzene	*0.0012*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	1 1E-06	0 001	4 2E-07	0 0005	9 6E-08	2E-07	1 2E-07	2E-07	3E-07
PBDEs	PBDE-47	*0.00351*	mg/kg ww	0 0001	I	--	--		Nervous	3 3E-06	0 03	1 2E-06	0 01	2 8E-07	--	3 5E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 6		0 2		4E-06		6E-06	1E-05
	Dioxin/Furan TEQ only	*0.000000187*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 7E-10	*0.2*	6 6E-11	*0.09*	1 5E-11	*2E-06*	1 9E-11	*2E-06*	*4E-06*
	PCB TEQ only	*0.000000242*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	2 3E-10	*0.3*	8 5E-11	*0.1*	1 9E-11	*3E-06*	2 4E-11	*3E-06*	*6E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		1E-06		1E-06	2E-06
	as Aroclor	*0.00505*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	4 7E-06	--	1 8E-06	--	4 0E-07	*8E-07*	5 1E-07	*1E-06*	*2E-06*
	as PCB Congener Sum	*0.00624*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	5 8E-06	--	2 2E-06	--	5 0E-07	*1E-06*	6 2E-07	*1E-06*	*2E-06*
									Consumption Total		**7**		**3**		**7E-06**		**8E-06**	**1E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 9	0 4
Developmental HI	2	0 6
Endocrine HI	0 9	0 3
Gastrointestinal HI	0 02	0 006
Hematologic HI	0 09	0 03
Nervous HI	2	0 7
Reproductive HI	0 6	0 2
Skin, Hair & Nails HI	4	1

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-89. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Resident (with or without Beach): Whitefish Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*1.86*	mg/kg ww	1	P	--	--		Nervous	1 7E-03	0 002	6 5E-04	0 0007	1 5E-04	--	1 9E-04	--	--
	Antimony	*0.00613*	mg/kg ww	0 0004	I	--	--		Hematologic	5 7E-06	0 01	2 1E-06	0 005	4 9E-07	--	6 1E-07	--	--
	Inorganic Arsenic	*0.00716*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	6 7E-06	0 02	2 5E-06	0 008	5 7E-07	9E-07	7 2E-07	1E-06	2E-06
	Chromium	*0.0512*	mg/kg ww	0 003	I	--	--	(b)	3E+02	4 8E-05	0 02	1 8E-05	0 006	4 1E-06	--	5 1E-06	--	--
	Mercury	*0.0973*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	9 1E-05	0 9	3 4E-05	0 3	7 8E-06	--	9 7E-06	--	--
	Selenium	*0.303*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	2 8E-04	0 06	1 1E-04	0 02	2 4E-05	--	3 0E-05	--	--
	Thallium	*0.0164*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	1 5E-05	2	5 7E-06	0 6	1 3E-06	--	1 6E-06	--	--
	Zirconium	*0.0128*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	1 2E-05	0 1	4 5E-06	0 06	1 0E-06	--	1 3E-06	--	--
Pesticides	4,4'-DDE	*0.00574*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	5 4E-06	0 02	2 0E-06	0 007	4 6E-07	2E-07	5 7E-07	2E-07	4E-07
	Dieldrin	*0.000327*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	3 0E-07	0 006	1 1E-07	0 002	2 6E-08	4E-07	3 3E-08	5E-07	9E-07
	Heptachlor epoxide	*0.00045*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	4 2E-07	0 03	1 6E-07	0 01	3 6E-08	3E-07	4 5E-08	4E-07	7E-07
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00257*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	2 4E-06	0 003	9 0E-07	0 001	2 1E-07	3E-07	2 6E-07	4E-07	7E-07
PBDEs	PBDE-47	*0.0182*	mg/kg ww	0 0001	I	--	--		Nervous	1 7E-05	0 2	6 4E-06	0 06	1 5E-06	--	1 8E-06	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		2		0 8		2E-05		2E-05	4E-05
	Dioxin/Furan TEQ only	*0.000000819*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	7 6E-10	*1*	2 9E-10	*0.4*	6 5E-11	*9E-06*	8 2E-11	*1E-05*	*2E-05*
	PCB TEQ only	*0.000000684*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	6 4E-10	*0.9*	2 4E-10	*0.3*	5 5E-11	*7E-06*	6 8E-11	*9E-06*	*2E-05*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0234*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	2 2E-05	--	8 2E-06	--	1 9E-06	*4E-06*	2 3E-06	*5E-06*	*8E-06*
									Consumption Total		**5**		**2**		**2E-05**		**2E-05**	**4E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 2	0 06
Developmental HI	0 9	0 3
Endocrine HI	0 1	0 06
Gastrointestinal HI	0 06	0 02
Hematologic HI	0 07	0 03
Nervous HI	1	0 4
Reproductive HI	2	0 8
Skin, Hair & Nails HI	2	0 6

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-90. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Resident (with or without Beach): Burbot Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.697*	mg/kg ww	1	P	--	--		Nervous	1 9E-04	0 0002	7 2E-05	0 00007	5 5E-06	--	8 3E-06	--	--
	Antimony	*0.0277*	mg/kg ww	0 0004	I	--	--		Hematologic	7 7E-06	0 02	2 9E-06	0 007	2 2E-07	--	3 3E-07	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.0625*	mg/kg ww	0 003	I	--	--	(b)	3E+02	1 7E-05	0 006	6 5E-06	0 002	4 9E-07	--	7 4E-07	--	--
	Mercury	*0.245*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	6 8E-05	0 7	2 5E-05	0 3	1 9E-06	--	2 9E-06	--	--
	Selenium	*0.357*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	9 9E-05	0 02	3 7E-05	0 007	2 8E-06	--	4 2E-06	--	--
	Thallium	*0.00733*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	2 0E-06	0 2	7 6E-07	0 08	5 8E-08	--	8 7E-08	--	--
	Zirconium	*0.00214*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	5 9E-07	0 007	2 2E-07	0 003	1 7E-08	--	2 5E-08	--	--
Pesticides	4,4'-DDE	*0.00102*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	2 8E-07	0 0009	1 1E-07	0 0004	8 1E-09	3E-09	1 2E-08	4E-09	7E-09
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*ND*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
PBDEs	PBDE-47	*0.00159*	mg/kg ww	0 0001	I	--	--		Nervous	4 4E-07	0 004	1 6E-07	0 002	1 3E-08	--	1 9E-08	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 3		0 1		9E-07		1E-06	2E-06
	Dioxin/Furan TEQ only	*0.000000604*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 7E-10	*0.2*	6 3E-11	*0.09*	4 8E-12	*6E-07*	7 2E-12	*9E-07*	*2E-06*
	PCB TEQ only	*0.000000275*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	7 6E-11	*0.1*	2 9E-11	*0.04*	2 2E-12	*3E-07*	3 3E-12	*4E-07*	*7E-07*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00189*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	5 2E-07	--	2 0E-07	--	1 5E-08	*3E-08*	2 2E-08	*4E-08*	*7E-08*
									Consumption Total		**1**		**0.5**		**9E-07**		**1E-06**	**2E-06**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 007	0 003
Developmental HI	0 7	0 3
Endocrine HI	0 007	0 003
Gastrointestinal HI	0 0009	0 0004
Hematologic HI	0 04	0 01
Nervous HI	0 7	0 3
Reproductive HI	0 3	0 1
Skin, Hair & Nails HI	0 2	0 08

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-91. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Resident (with or without Beach): Kokanee Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.698*	mg/kg ww	1	P	--	--		Nervous	1 9E-04	0 0002	7 2E-05	0 00007	5 5E-06	--	8 3E-06	--	--
	Antimony	*0.0106*	mg/kg ww	0 0004	I	--	--		Hematologic	2 9E-06	0 007	1 1E-06	0 003	8 4E-08	--	1 3E-07	--	--
	Inorganic Arsenic	*0.00387*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	1 1E-06	0 004	4 0E-07	0 001	3 1E-08	5E-08	4 6E-08	7E-08	1E-07
	Chromium	*0.0665*	mg/kg ww	0 003	I	--	--	(b)	3E+02	1 8E-05	0 006	6 9E-06	0 002	5 3E-07	--	7 9E-07	--	--
	Mercury	*0.0652*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	1 8E-05	0 2	6 8E-06	0 07	5 2E-07	--	7 7E-07	--	--
	Selenium	*0.286*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	7 9E-05	0 02	3 0E-05	0 006	2 3E-06	--	3 4E-06	--	--
	Thallium	*0.0294*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	8 1E-06	0 8	3 1E-06	0 3	2 3E-07	--	3 5E-07	--	--
	Zirconium	*0.00763*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	2 1E-06	0 03	7 9E-07	0 01	6 0E-08	--	9 0E-08	--	--
Pesticides	4,4'-DDE	*0.00237*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	6 6E-07	0 002	2 5E-07	0 0008	1 9E-08	6E-09	2 8E-08	1E-08	2E-08
	Dieldrin	*0.00027*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	7 5E-08	0 001	2 8E-08	0 0006	2 1E-09	3E-08	3 2E-09	5E-08	9E-08
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00136*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	3 8E-07	0 0005	1 4E-07	0 0002	1 1E-08	2E-08	1 6E-08	3E-08	4E-08
PBDEs	PBDE-47	*0.00265*	mg/kg ww	0 0001	I	--	--		Nervous	7 3E-07	0 007	2 7E-07	0 003	2 1E-08	--	3 1E-08	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 2		0 08		6E-07		9E-07	1E-06
	Dioxin/Furan TEQ only	*0.000000187*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	5 2E-11	*0.07*	1 9E-11	*0.03*	1 5E-12	*2E-07*	2 2E-12	*3E-07*	*5E-07*
	PCB TEQ only	*0.000000375*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 0E-10	*0.1*	3 9E-11	*0.06*	3 0E-12	*4E-07*	4 4E-12	*6E-07*	*1E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00772*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	2 1E-06	--	8 0E-07	--	6 1E-08	*1E-07*	9 2E-08	*2E-07*	*3E-07*
									Consumption Total		**1**		**0.5**		**7E-07**		**1E-06**	**2E-06**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 03	0 01
Developmental HI	0 2	0 07
Endocrine HI	0 03	0 01
Gastrointestinal HI	0 004	0 002
Hematologic HI	0 02	0 009
Nervous HI	0 2	0 08
Reproductive HI	0 2	0 08
Skin, Hair & Nails HI	0 8	0 3

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-92. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Resident (with or without Beach): Northern Pike Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*0.434*	mg/kg ww	1	P	--	--		Nervous	1 2E-04	0 0001	4 5E-05	0 00005	3 4E-06	--	5 1E-06	--	--
	Antimony	*0.00103*	mg/kg ww	0 0004	I	--	--		Hematologic	2 8E-07	0 0007	1 1E-07	0 0003	8 1E-09	--	1 2E-08	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.114*	mg/kg ww	0 003	I	--	--	(b)	3E+02	3 2E-05	0 01	1 2E-05	0 004	9 0E-07	--	1 4E-06	--	--
	Mercury	*0.122*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	3 4E-05	0 3	1 3E-05	0 1	9 6E-07	--	1 4E-06	--	--
	Selenium	*0.647*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	1 8E-04	0 04	6 7E-05	0 01	5 1E-06	--	7 7E-06	--	--
	Thallium	*0.0131*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	3 6E-06	0 4	1 4E-06	0 1	1 0E-07	--	1 6E-07	--	--
	Zirconium	*NA*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	NA	NA	NA	NA	NA	--	NA	--	--
Pesticides	4,4'-DDE	*NA*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dieldrin	*NA*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	*NA*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOC	bis(2-Ethylhexyl)phthalate	*NA*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	*NA*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
PBDEs	PBDE-47	*NA*	mg/kg ww	0 0001	I	--	--		Nervous	NA	NA	NA	NA	NA	--	NA	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		NA		NA		NA		NA	NA
	Dioxin/Furan TEQ only	*NA*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	NA	*NA*	NA	*NA*	NA	*NA*	NA	*NA*	*NA*
	PCB TEQ only	*NA*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	NA	*NA*	NA	*NA*	NA	*NA*	NA	*NA*	*NA*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
									Consumption Total		**1**		**0.3**		**ND**		**ND**	**ND**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	ND	ND
Developmental HI	0 3	0 1
Endocrine HI	NA	NA
Gastrointestinal HI	NA	NA
Hematologic HI	0 04	0 01
Nervous HI	0 4	0 1
Reproductive HI	NA	NA
Skin, Hair & Nails HI	0 4	0 1

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-93. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Resident (with or without Beach): Rainbow Trout Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.667*	mg/kg ww	1	P	--	--		Nervous	1 8E-04	0 0002	6 9E-05	0 00007	5 3E-06	--	7 9E-06	--	--
	Antimony	*0.0129*	mg/kg ww	0 0004	I	--	--		Hematologic	3 6E-06	0 009	1 3E-06	0 003	1 0E-07	--	1 5E-07	--	--
	Inorganic Arsenic	*0.00398*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	1 1E-06	0 004	4 1E-07	0 001	3 1E-08	5E-08	4 7E-08	7E-08	1E-07
	Chromium	*0.273*	mg/kg ww	0 003	I	--	--	(b)	3E+02	7 6E-05	0 03	2 8E-05	0 009	2 2E-06	--	3 2E-06	--	--
	Mercury	*0.0847*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	2 3E-05	0 2	8 8E-06	0 09	6 7E-07	--	1 0E-06	--	--
	Selenium	*0.339*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	9 4E-05	0 02	3 5E-05	0 007	2 7E-06	--	4 0E-06	--	--
	Thallium	*0.025*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	6 9E-06	0 7	2 6E-06	0 3	2 0E-07	--	3 0E-07	--	--
	Zirconium	*0.00586*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	1 6E-06	0 02	6 1E-07	0 008	4 6E-08	--	6 9E-08	--	--
Pesticides	4,4'-DDE	*0.00755*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	2 1E-06	0 007	7 8E-07	0 003	6 0E-08	2E-08	9 0E-08	3E-08	5E-08
	Dieldrin	*0.00023*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	6 4E-08	0 001	2 4E-08	0 0005	1 8E-09	3E-08	2 7E-09	4E-08	7E-08
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00146*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	4 0E-07	0 0005	1 5E-07	0 0002	1 2E-08	2E-08	1 7E-08	3E-08	5E-08
PBDEs	PBDE-47	*0.0077*	mg/kg ww	0 0001	I	--	--		Nervous	2 1E-06	0 02	8 0E-07	0 008	6 1E-08	--	9 1E-08	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 4		0 1		1E-06		1E-06	2E-06
	Dioxin/Furan TEQ only	*0.000000604*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 7E-10	*0.2*	6 3E-11	*0.09*	4 8E-12	*6E-07*	7 2E-12	*9E-07*	*2E-06*
	PCB TEQ only	*0.000000356*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	9 9E-11	*0.1*	3 7E-11	*0.05*	2 8E-12	*4E-07*	4 2E-12	*5E-07*	*9E-07*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		3E-07		5E-07	8E-07
	as Aroclor	*0.0187*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	5 2E-06	--	1 9E-06	--	1 5E-07	*3E-07*	2 2E-07	*4E-07*	*7E-07*
	as PCB Congener Sum	*0.021*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	5 8E-06	--	2 2E-06	--	1 7E-07	*3E-07*	2 5E-07	*5E-07*	*8E-07*
									Consumption Total		**1**		**0.5**		**1E-06**		**2E-06**	**4E-06**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 02	0 009
Developmental HI	0 2	0 09
Endocrine HI	0 02	0 008
Gastrointestinal HI	0 009	0 003
Hematologic HI	0 03	0 01
Nervous HI	0 3	0 1
Reproductive HI	0 4	0 1
Skin, Hair & Nails HI	0 7	0 3

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-94. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Resident (with or without Beach): Smallmouth Bass Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.548*	mg/kg ww	1	P	--	--		Nervous	1 5E-04	0 0002	5 7E-05	0 00006	4 3E-06	--	6 5E-06	--	--
	Antimony	*0.00932*	mg/kg ww	0 0004	I	--	--		Hematologic	2 6E-06	0 006	9 7E-07	0 002	7 4E-08	--	1 1E-07	--	--
	Inorganic Arsenic	*0.0051*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	1 4E-06	0 005	5 3E-07	0 002	4 0E-08	6E-08	6 0E-08	9E-08	2E-07
	Chromium	*0.111*	mg/kg ww	0 003	I	--	--	(b)	3E+02	3 1E-05	0 01	1 2E-05	0 004	8 8E-07	--	1 3E-06	--	--
	Mercury	*0.173*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	4 8E-05	0 5	1 8E-05	0 2	1 4E-06	--	2 1E-06	--	--
	Selenium	*0.471*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	1 3E-04	0 03	4 9E-05	0 01	3 7E-06	--	5 6E-06	--	--
	Thallium	*0.0258*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	7 1E-06	0 7	2 7E-06	0 3	2 0E-07	--	3 1E-07	--	--
	Zirconium	*0.00173*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	4 8E-07	0 006	1 8E-07	0 002	1 4E-08	--	2 1E-08	--	--
Pesticides	4,4'-DDE	*0.0032*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	8 9E-07	0 003	3 3E-07	0 001	2 5E-08	9E-09	3 8E-08	1E-08	2E-08
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.001*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	2 8E-07	0 0003	1 0E-07	0 0001	7 9E-09	1E-08	1 2E-08	2E-08	3E-08
PBDEs	PBDE-47	*0.00745*	mg/kg ww	0 0001	I	--	--		Nervous	2 1E-06	0 02	7 7E-07	0 008	5 9E-08	--	8 8E-08	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 4		0 2		1E-06		2E-06	3E-06
	Dioxin/Furan TEQ only	*0.000000753*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	2 1E-10	*0.3*	7 8E-11	*0.1*	6 0E-12	*8E-07*	8 9E-12	*1E-06*	*2E-06*
	PCB TEQ only	*0.000000307*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	8 5E-11	*0.1*	3 2E-11	*0.05*	2 4E-12	*3E-07*	3 6E-12	*5E-07*	*8E-07*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0072*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	2 0E-06	--	7 5E-07	--	5 7E-08	*1E-07*	8 5E-08	*2E-07*	*3E-07*
									Consumption Total		**2**		**0.6**		**1E-06**		**2E-06**	**3E-06**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 01	0 004
Developmental HI	0 5	0 2
Endocrine HI	0 006	0 002
Gastrointestinal HI	0 003	0 001
Hematologic HI	0 03	0 01
Nervous HI	0 5	0 2
Reproductive HI	0 4	0 2
Skin, Hair & Nails HI	0 7	0 3

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-95. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Resident (with or without Beach): Sturgeon Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.712*	mg/kg ww	1	P	--	--		Nervous	2 0E-04	0 0002	7 4E-05	0 00007	5 6E-06	--	8 4E-06	--	--
	Antimony	*ND*	mg/kg ww	0 0004	I	--	--		Hematologic	ND	ND	ND	ND	ND	--	ND	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.0938*	mg/kg ww	0 003	I	--	--	(b)	3E+02	2 6E-05	0 009	9 7E-06	0 003	7 4E-07	--	1 1E-06	--	--
	Mercury	*0.0946*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	2 6E-05	0 3	9 8E-06	0 1	7 5E-07	--	1 1E-06	--	--
	Selenium	*1.14*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	3 2E-04	0 06	1 2E-04	0 02	9 0E-06	--	1 4E-05	--	--
	Thallium	*0.00384*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	1 1E-06	0 1	4 0E-07	0 04	3 0E-08	--	4 6E-08	--	--
	Zirconium	*NA*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	NA	NA	NA	NA	NA	--	NA	--	--
Pesticides	4,4'-DDE	*NA*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dieldrin	*NA*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	*NA*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOC	bis(2-Ethylhexyl)phthalate	*NA*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	*NA*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
PBDEs	PBDE-47	*0.00238*	mg/kg ww	0 0001	I	--	--		Nervous	6 6E-07	0 007	2 5E-07	0 002	1 9E-08	--	2 8E-08	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 2		0 06		4E-07		6E-07	1E-06
	Dioxin/Furan TEQ only	*0.000000177*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	4 9E-11	*0.07*	1 8E-11	*0.03*	1 4E-12	*2E-07*	2 1E-12	*3E-07*	*5E-07*
	PCB TEQ only	*0.000000235*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	6 5E-11	*0.09*	2 4E-11	*0.03*	1 9E-12	*2E-07*	2 8E-12	*4E-07*	*6E-07*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00871*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	2 4E-06	--	9 0E-07	--	6 9E-08	*1E-07*	1 0E-07	*2E-07*	*3E-07*
									Consumption Total		**1**		**0.2**		**4E-07**		**6E-07**	**1E-06**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	ND	ND
Developmental HI	0 3	0 1
Endocrine HI	NA	NA
Gastrointestinal HI	NA	NA
Hematologic HI	0 06	0 02
Nervous HI	0 3	0 1
Reproductive HI	0 2	0 06
Skin, Hair & Nails HI	0 2	0 06

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-96. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Resident (with or without Beach): Sucker Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*1.11*	mg/kg ww	1	P	--	--		Nervous	3 1E-04	0 0003	1 1E-04	0 0001	8 8E-06	--	1 3E-05	--	--
	Antimony	*0.0106*	mg/kg ww	0 0004	I	--	--		Hematologic	2 9E-06	0 007	1 1E-06	0 003	8 4E-08	--	1 3E-07	--	--
	Inorganic Arsenic	*0.00492*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	1 4E-06	0 005	5 1E-07	0 002	3 9E-08	6E-08	5 8E-08	9E-08	1E-07
	Chromium	*0.112*	mg/kg ww	0 003	I	--	--	(b)	3E+02	3 1E-05	0 01	1 2E-05	0 004	8 9E-07	--	1 3E-06	--	--
	Mercury	*0.296*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	8 2E-05	0 8	3 1E-05	0 3	2 3E-06	--	3 5E-06	--	--
	Selenium	*0.296*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	8 2E-05	0 02	3 1E-05	0 006	2 3E-06	--	3 5E-06	--	--
	Thallium	*0.0134*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	3 7E-06	0 4	1 4E-06	0 1	1 1E-07	--	1 6E-07	--	--
	Zirconium	*0.00225*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	6 2E-07	0 008	2 3E-07	0 003	1 8E-08	--	2 7E-08	--	--
Pesticides	4,4'-DDE	*0.0167*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	4 6E-06	0 02	1 7E-06	0 006	1 3E-07	4E-08	2 0E-07	7E-08	1E-07
	Dieldrin	*0.000253*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	7 0E-08	0 001	2 6E-08	0 0005	2 0E-09	3E-08	3 0E-09	5E-08	8E-08
	Heptachlor epoxide	*0.000368*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	1 0E-07	0 008	3 8E-08	0 003	2 9E-09	3E-08	4 4E-09	4E-08	7E-08
SVOC	bis(2-Ethylhexyl)phthalate	*0.49*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	1 4E-04	0 007	5 1E-05	0 003	3 9E-06	5E-08	5 8E-06	8E-08	1E-07
	Hexachlorobenzene	*0.00215*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	5 9E-07	0 0007	2 2E-07	0 0003	1 7E-08	3E-08	2 5E-08	4E-08	7E-08
PBDEs	PBDE-47	*0.028*	mg/kg ww	0 0001	I	--	--		Nervous	7 7E-06	0 08	2 9E-06	0 03	2 2E-07	--	3 3E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 6		0 2		1E-06		2E-06	4E-06
	Dioxin/Furan TEQ only	*0.00000107*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	3 0E-10	*0.4*	1 1E-10	*0.2*	8 4E-12	*1E-06*	1 3E-11	*2E-06*	*3E-06*
	PCB TEQ only	*0.000000356*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	9 8E-11	*0.1*	3 7E-11	*0.05*	2 8E-12	*4E-07*	4 2E-12	*5E-07*	*9E-07*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0596*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	1 6E-05	--	6 2E-06	--	4 7E-07	*9E-07*	7 1E-07	*1E-06*	*2E-06*
									Consumption Total		**2**		**0.7**		**2E-06**		**3E-06**	**4E-06**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 01	0 005
Developmental HI	0 8	0 3
Endocrine HI	0 008	0 003
Gastrointestinal HI	0 03	0 01
Hematologic HI	0 02	0 009
Nervous HI	0 9	0 3
Reproductive HI	0 6	0 2
Skin, Hair & Nails HI	0 4	0 1

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-97. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Resident (with or without Beach): Walleye Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*30.8*	mg/kg ww	1	P	--	--		Nervous	8 5E-03	0 009	3 2E-03	0 003	2 4E-04	--	3 6E-04	--	--
	Antimony	*0.011*	mg/kg ww	0 0004	I	--	--		Hematologic	3 0E-06	0 008	1 1E-06	0 003	8 7E-08	--	1 3E-07	--	--
	Inorganic Arsenic	*0.00528*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	1 5E-06	0 005	5 5E-07	0 002	4 2E-08	6E-08	6 3E-08	9E-08	2E-07
	Chromium	*0.321*	mg/kg ww	0 003	I	--	--	(b)	3E+02	8 9E-05	0 03	3 3E-05	0 01	2 5E-06	--	3 8E-06	--	--
	Mercury	*0.179*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	5 0E-05	0 5	1 9E-05	0 2	1 4E-06	--	2 1E-06	--	--
	Selenium	*0.361*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	1 0E-04	0 02	3 7E-05	0 007	2 9E-06	--	4 3E-06	--	--
	Thallium	*0.0368*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	1 0E-05	1	3 8E-06	0 4	2 9E-07	--	4 4E-07	--	--
	Zirconium	*0.0786*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	2 2E-05	0 3	8 2E-06	0 1	6 2E-07	--	9 3E-07	--	--
Pesticides	4,4'-DDE	*0.00128*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	3 5E-07	0 001	1 3E-07	0 0004	1 0E-08	3E-09	1 5E-08	5E-09	9E-09
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*0.22*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	6 1E-05	0 003	2 3E-05	0 001	1 7E-06	2E-08	2 6E-06	4E-08	6E-08
	Hexachlorobenzene	*0.0012*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	3 3E-07	0 0004	1 2E-07	0 0002	9 5E-09	2E-08	1 4E-08	2E-08	4E-08
PBDEs	PBDE-47	*0.00351*	mg/kg ww	0 0001	I	--	--		Nervous	9 7E-07	0 01	3 6E-07	0 004	2 8E-08	--	4 2E-08	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 2		0 06		4E-07		7E-07	1E-06
	Dioxin/Furan TEQ only	*0.000000187*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	5 2E-11	*0.07*	1 9E-11	*0.03*	1 5E-12	*2E-07*	2 2E-12	*3E-07*	*5E-07*
	PCB TEQ only	*0.000000242*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	6 7E-11	*0.1*	2 5E-11	*0.04*	1 9E-12	*2E-07*	2 9E-12	*4E-07*	*6E-07*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		1E-07		1E-07	2E-07
	as Aroclor	*0.00505*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	1 4E-06	--	5 2E-07	--	4 0E-08	*8E-08*	6 0E-08	*1E-07*	*2E-07*
	as PCB Congener Sum	*0.00624*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	1 7E-06	--	6 5E-07	--	4 9E-08	*1E-07*	7 4E-08	*1E-07*	*2E-07*
									Consumption Total		**2**		**0.8**		**6E-07**		**1E-06**	**2E-06**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 3	0 1
Developmental HI	0 5	0 2
Endocrine HI	0 3	0 1
Gastrointestinal HI	0 005	0 002
Hematologic HI	0 03	0 01
Nervous HI	0 5	0 2
Reproductive HI	0 2	0 06
Skin, Hair & Nails HI	1	0 4

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-98. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Resident (with or without Beach): Whitefish Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*1.86*	mg/kg ww	1	P	--	--		Nervous	5 1E-04	0 0005	1 9E-04	0 0002	1 5E-05	--	2 2E-05	--	--
	Antimony	*0.00613*	mg/kg ww	0 0004	I	--	--		Hematologic	1 7E-06	0 004	6 4E-07	0 002	4 8E-08	--	7 3E-08	--	--
	Inorganic Arsenic	*0.00716*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	2 0E-06	0 007	7 4E-07	0 002	5 7E-08	8E-08	8 5E-08	1E-07	2E-07
	Chromium	*0.0512*	mg/kg ww	0 003	I	--	--	(b)	3E+02	1 4E-05	0 005	5 3E-06	0 002	4 0E-07	--	6 1E-07	--	--
	Mercury	*0.0973*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	2 7E-05	0 3	1 0E-05	0 1	7 7E-07	--	1 2E-06	--	--
	Selenium	*0.303*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	8 4E-05	0 02	3 1E-05	0 006	2 4E-06	--	3 6E-06	--	--
	Thallium	*0.0164*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	4 5E-06	0 5	1 7E-06	0 2	1 3E-07	--	1 9E-07	--	--
	Zirconium	*0.0128*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	3 5E-06	0 04	1 3E-06	0 02	1 0E-07	--	1 5E-07	--	--
Pesticides	4,4'-DDE	*0.00574*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	1 6E-06	0 005	6 0E-07	0 002	4 5E-08	2E-08	6 8E-08	2E-08	4E-08
	Dieldrin	*0.000327*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	9 0E-08	0 002	3 4E-08	0 0007	2 6E-09	4E-08	3 9E-09	6E-08	1E-07
	Heptachlor epoxide	*0.00045*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	1 2E-07	0 01	4 7E-08	0 004	3 6E-09	3E-08	5 3E-09	5E-08	8E-08
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00257*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	7 1E-07	0 0009	2 7E-07	0 0003	2 0E-08	3E-08	3 0E-08	5E-08	8E-08
PBDEs	PBDE-47	*0.0182*	mg/kg ww	0 0001	I	--	--		Nervous	5 0E-06	0 05	1 9E-06	0 02	1 4E-07	--	2 2E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 6		0 2		2E-06		2E-06	4E-06
	Dioxin/Furan TEQ only	*0.000000819*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	2 3E-10	*0.3*	8 5E-11	*0.1*	6 5E-12	*8E-07*	9 7E-12	*1E-06*	*2E-06*
	PCB TEQ only	*0.000000684*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 9E-10	*0.3*	7 1E-11	*0.1*	5 4E-12	*7E-07*	8 1E-12	*1E-06*	*2E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0234*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	6 5E-06	--	2 4E-06	--	1 8E-07	*4E-07*	2 8E-07	*6E-07*	*9E-07*
									Consumption Total		**1**		**0.5**		**2E-06**		**3E-06**	**4E-06**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 05	0 02
Developmental HI	0 3	0 1
Endocrine HI	0 04	0 02
Gastrointestinal HI	0 02	0 007
Hematologic HI	0 02	0 008
Nervous HI	0 3	0 1
Reproductive HI	0 6	0 2
Skin, Hair & Nails HI	0 5	0 2

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-99. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Recreational Visitor: Burbot Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.697*	mg/kg ww	1	P	--	--		Nervous	6 5E-04	0 0007	2 4E-04	0 0002	5 6E-05	--	7 0E-05	--	--
	Antimony	*0.0277*	mg/kg ww	0 0004	I	--	--		Hematologic	2 6E-05	0 06	9 7E-06	0 02	2 2E-06	--	2 8E-06	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.0625*	mg/kg ww	0 003	I	--	--	(b)	3E+02	5 8E-05	0 02	2 2E-05	0 007	5 0E-06	--	6 3E-06	--	--
	Mercury	*0.245*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	2 3E-04	2	8 6E-05	0 9	2 0E-05	--	2 5E-05	--	--
	Selenium	*0.357*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	3 3E-04	0 07	1 2E-04	0 02	2 9E-05	--	3 6E-05	--	--
	Thallium	*0.00733*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	6 8E-06	0 7	2 6E-06	0 3	5 9E-07	--	7 3E-07	--	--
	Zirconium	*0.00214*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	2 0E-06	0 02	7 5E-07	0 009	1 7E-07	--	2 1E-07	--	--
Pesticides	4,4'-DDE	*0.00102*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	9 5E-07	0 003	3 6E-07	0 001	8 2E-08	3E-08	1 0E-07	3E-08	6E-08
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*ND*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
PBDEs	PBDE-47	*0.00159*	mg/kg ww	0 0001	I	--	--		Nervous	1 5E-06	0 01	5 6E-07	0 006	1 3E-07	--	1 6E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		1		0 4		9E-06		1E-05	2E-05
	Dioxin/Furan TEQ only	*0.000000604*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	5 6E-10	*0.8*	2 1E-10	*0.3*	4 8E-11	*6E-06*	6 0E-11	*8E-06*	*1E-05*
	PCB TEQ only	*0.000000275*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	2 6E-10	*0.4*	9 6E-11	*0.1*	2 2E-11	*3E-06*	2 8E-11	*4E-06*	*6E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00189*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	1 8E-06	--	6 6E-07	--	1 5E-07	*3E-07*	1 9E-07	*4E-07*	*7E-07*
									Consumption Total		**4**		**2**		**9E-06**		**1E-05**	**2E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 02	0 009
Developmental HI	2	0 9
Endocrine HI	0 02	0 009
Gastrointestinal HI	0 003	0 001
Hematologic HI	0 1	0 05
Nervous HI	2	0 9
Reproductive HI	1	0 4
Skin, Hair & Nails HI	0 8	0 3

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-100. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Recreational Visitor: Kokanee Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*0.698*	mg/kg ww	1	P	--	--		Nervous	6 5E-04	0 0007	2 4E-04	0 0002	5 6E-05	--	7 0E-05	--	--
	Antimony	*0.0106*	mg/kg ww	0 0004	I	--	--		Hematologic	9 9E-06	0 02	3 7E-06	0 009	8 5E-07	--	1 1E-06	--	--
	Inorganic Arsenic	*0.00387*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	3 6E-06	0 01	1 4E-06	0 005	3 1E-07	5E-07	3 9E-07	6E-07	1E-06
	Chromium	*0.0665*	mg/kg ww	0 003	I	--	--	(b)	3E+02	6 2E-05	0 02	2 3E-05	0 008	5 3E-06	--	6 7E-06	--	--
	Mercury	*0.0652*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	6 1E-05	0 6	2 3E-05	0 2	5 2E-06	--	6 5E-06	--	--
	Selenium	*0.286*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	2 7E-04	0 05	1 0E-04	0 02	2 3E-05	--	2 9E-05	--	--
	Thallium	*0.0294*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	2 7E-05	3	1 0E-05	1	2 4E-06	--	2 9E-06	--	--
	Zirconium	*0.00763*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	7 1E-06	0 09	2 7E-06	0 03	6 1E-07	--	7 6E-07	--	--
Pesticides	4,4'-DDE	*0.00237*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	2 2E-06	0 007	8 3E-07	0 003	1 9E-07	6E-08	2 4E-07	8E-08	1E-07
	Dieldrin	*0.00027*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	2 5E-07	0 005	9 5E-08	0 002	2 2E-08	3E-07	2 7E-08	4E-07	8E-07
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00136*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	1 3E-06	0 002	4 8E-07	0 0006	1 1E-07	2E-07	1 4E-07	2E-07	4E-07
PBDEs	PBDE-47	*0.00265*	mg/kg ww	0 0001	I	--	--		Nervous	2 5E-06	0 02	9 3E-07	0 009	2 1E-07	--	2 7E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 7		0 3		6E-06		7E-06	1E-05
	Dioxin/Furan TEQ only	*0.000000187*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 7E-10	*0.2*	6 5E-11	*0.09*	1 5E-11	*2E-06*	1 9E-11	*2E-06*	*4E-06*
	PCB TEQ only	*0.000000375*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	3 5E-10	*0.5*	1 3E-10	*0.2*	3 0E-11	*4E-06*	3 8E-11	*5E-06*	*9E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00772*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	7 2E-06	--	2 7E-06	--	6 2E-07	*1E-06*	7 7E-07	*2E-06*	*3E-06*
									Consumption Total		**4**		**2**		**7E-06**		**9E-06**	**2E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 1	0 04
Developmental HI	0 6	0 2
Endocrine HI	0 09	0 03
Gastrointestinal HI	0 01	0 005
Hematologic HI	0 08	0 03
Nervous HI	0 7	0 3
Reproductive HI	0 7	0 3
Skin, Hair & Nails HI	3	1

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-101. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Recreational Visitor: Northern Pike Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*0.434*	mg/kg ww	1	P	--	--		Nervous	4 1E-04	0 0004	1 5E-04	0 0002	3 5E-05	--	4 3E-05	--	--
	Antimony	*0.00103*	mg/kg ww	0 0004	I	--	--		Hematologic	9 6E-07	0 002	3 6E-07	0 0009	8 2E-08	--	1 0E-07	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.114*	mg/kg ww	0 003	I	--	--	(b)	3E+02	1 1E-04	0 04	4 0E-05	0 01	9 1E-06	--	1 1E-05	--	--
	Mercury	*0.122*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	1 1E-04	1	4 3E-05	0 4	9 8E-06	--	1 2E-05	--	--
	Selenium	*0.647*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	6 0E-04	0 1	2 3E-04	0 05	5 2E-05	--	6 5E-05	--	--
	Thallium	*0.0131*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	1 2E-05	1	4 6E-06	0 5	1 0E-06	--	1 3E-06	--	--
	Zirconium	*NA*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	NA	NA	NA	NA	NA	--	NA	--	--
Pesticides	4,4'-DDE	*NA*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dieldrin	*NA*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	*NA*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOC	bis(2-Ethylhexyl)phthalate	*NA*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	*NA*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
PBDEs	PBDE-47	*NA*	mg/kg ww	0 0001	I	--	--		Nervous	NA	NA	NA	NA	NA	--	NA	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		NA		NA		NA		NA	NA
	Dioxin/Furan TEQ only	*NA*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	NA	*NA*	NA	*NA*	NA	*NA*	NA	*NA*	*NA*
	PCB TEQ only	*NA*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	NA	*NA*	NA	*NA*	NA	*NA*	NA	*NA*	*NA*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
									Consumption Total		**3**		**0.9**		**ND**		**ND**	**ND**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	ND	ND
Developmental HI	1	0 4
Endocrine HI	NA	NA
Gastrointestinal HI	NA	NA
Hematologic HI	0 1	0 05
Nervous HI	1	0 5
Reproductive HI	NA	NA
Skin, Hair & Nails HI	1	0 5

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-102. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Recreational Visitor: Rainbow Trout Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*0.667*	mg/kg ww	1	P	--	--		Nervous	6 2E-04	0 0006	2 3E-04	0 0002	5 3E-05	--	6 7E-05	--	--
	Antimony	*0.0129*	mg/kg ww	0 0004	I	--	--		Hematologic	1 2E-05	0 03	4 5E-06	0 01	1 0E-06	--	1 3E-06	--	--
	Inorganic Arsenic	*0.00398*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	3 7E-06	0 01	1 4E-06	0 005	3 2E-07	5E-07	4 0E-07	6E-07	1E-06
	Chromium	*0.273*	mg/kg ww	0 003	I	--	--	(b)	3E+02	2 5E-04	0 08	9 6E-05	0 03	2 2E-05	--	2 7E-05	--	--
	Mercury	*0.0847*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	7 9E-05	0 8	3 0E-05	0 3	6 8E-06	--	8 5E-06	--	--
	Selenium	*0.339*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	3 2E-04	0 06	1 2E-04	0 02	2 7E-05	--	3 4E-05	--	--
	Thallium	*0.025*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	2 3E-05	2	8 8E-06	0 9	2 0E-06	--	2 5E-06	--	--
	Zirconium	*0.00586*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	5 5E-06	0 07	2 1E-06	0 03	4 7E-07	--	5 9E-07	--	--
Pesticides	4,4'-DDE	*0.00755*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	7 0E-06	0 02	2 6E-06	0 009	6 0E-07	2E-07	7 6E-07	3E-07	5E-07
	Dieldrin	*0.00023*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	2 1E-07	0 004	8 1E-08	0 002	1 8E-08	3E-07	2 3E-08	4E-07	7E-07
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00146*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	1 4E-06	0 002	5 1E-07	0 0006	1 2E-07	2E-07	1 5E-07	2E-07	4E-07
PBDEs	PBDE-47	*0.0077*	mg/kg ww	0 0001	I	--	--		Nervous	7 2E-06	0 07	2 7E-06	0 03	6 2E-07	--	7 7E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		1		0 5		1E-05		1E-05	2E-05
	Dioxin/Furan TEQ only	*0.000000604*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	5 6E-10	*0.8*	2 1E-10	*0.3*	4 8E-11	*6E-06*	6 0E-11	*8E-06*	*1E-05*
	PCB TEQ only	*0.000000356*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	3 3E-10	*0.5*	1 2E-10	*0.2*	2 8E-11	*4E-06*	3 6E-11	*5E-06*	*8E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		3E-06		4E-06	8E-06
	as Aroclor	*0.0187*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	1 7E-05	--	6 5E-06	--	1 5E-06	*3E-06*	1 9E-06	*4E-06*	*7E-06*
	as PCB Congener Sum	*0.021*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	2 0E-05	--	7 4E-06	--	1 7E-06	*3E-06*	2 1E-06	*4E-06*	*8E-06*
									Consumption Total		**5**		**2**		**1E-05**		**2E-05**	**3E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 08	0 03
Developmental HI	0 8	0 3
Endocrine HI	0 07	0 03
Gastrointestinal HI	0 03	0 01
Hematologic HI	0 09	0 04
Nervous HI	0 9	0 3
Reproductive HI	1	0 5
Skin, Hair & Nails HI	2	0 9

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-103. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Recreational Visitor: Smallmouth Bass Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.548*	mg/kg ww	1	P	--	--		Nervous	5 1E-04	0 0005	1 9E-04	0 0002	4 4E-05	--	5 5E-05	--	--
	Antimony	*0.00932*	mg/kg ww	0 0004	I	--	--		Hematologic	8 7E-06	0 02	3 3E-06	0 008	7 5E-07	--	9 3E-07	--	--
	Inorganic Arsenic	*0.0051*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	4 8E-06	0 02	1 8E-06	0 006	4 1E-07	6E-07	5 1E-07	8E-07	1E-06
	Chromium	*0.111*	mg/kg ww	0 003	I	--	--	(b)	3E+02	1 0E-04	0 03	3 9E-05	0 01	8 9E-06	--	1 1E-05	--	--
	Mercury	*0.173*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	1 6E-04	2	6 1E-05	0 6	1 4E-05	--	1 7E-05	--	--
	Selenium	*0.471*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	4 4E-04	0 09	1 6E-04	0 03	3 8E-05	--	4 7E-05	--	--
	Thallium	*0.0258*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	2 4E-05	2	9 0E-06	0 9	2 1E-06	--	2 6E-06	--	--
	Zirconium	*0.00173*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	1 6E-06	0 02	6 1E-07	0 008	1 4E-07	--	1 7E-07	--	--
Pesticides	4,4'-DDE	*0.0032*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	3 0E-06	0 01	1 1E-06	0 004	2 6E-07	9E-08	3 2E-07	1E-07	2E-07
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.001*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	9 3E-07	0 001	3 5E-07	0 0004	8 0E-08	1E-07	1 0E-07	2E-07	3E-07
PBDEs	PBDE-47	*0.00745*	mg/kg ww	0 0001	I	--	--		Nervous	7 0E-06	0 07	2 6E-06	0 03	6 0E-07	--	7 5E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		1		0 5		1E-05		1E-05	2E-05
	Dioxin/Furan TEQ only	*0.000000753*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	7 0E-10	*1*	2 6E-10	*0.4*	6 0E-11	*8E-06*	7 5E-11	*1E-05*	*2E-05*
	PCB TEQ only	*0.000000307*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	2 9E-10	*0.4*	1 1E-10	*0.2*	2 5E-11	*3E-06*	3 1E-11	*4E-06*	*7E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0072*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	6 7E-06	--	2 5E-06	--	5 8E-07	*1E-06*	7 2E-07	*1E-06*	*3E-06*
									Consumption Total		**6**		**2**		**1E-05**		**1E-05**	**3E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 04	0 01
Developmental HI	2	0 6
Endocrine HI	0 02	0 008
Gastrointestinal HI	0 01	0 004
Hematologic HI	0 1	0 04
Nervous HI	2	0 7
Reproductive HI	1	0 5
Skin, Hair & Nails HI	3	0 9

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-104. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Recreational Visitor: Sturgeon Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*0.712*	mg/kg ww	1	P	--	--		Nervous	6 6E-04	0 0007	2 5E-04	0 0002	5 7E-05	--	7 1E-05	--	--
	Antimony	*ND*	mg/kg ww	0 0004	I	--	--		Hematologic	ND	ND	ND	ND	ND	--	ND	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.0938*	mg/kg ww	0 003	I	--	--	(b)	3E+02	8 8E-05	0 03	3 3E-05	0 01	7 5E-06	--	9 4E-06	--	--
	Mercury	*0.0946*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	8 8E-05	0 9	3 3E-05	0 3	7 6E-06	--	9 5E-06	--	--
	Selenium	*1.14*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	1 1E-03	0 2	4 0E-04	0 08	9 1E-05	--	1 1E-04	--	--
	Thallium	*0.00384*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	3 6E-06	0 4	1 3E-06	0 1	3 1E-07	--	3 8E-07	--	--
	Zirconium	*NA*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	NA	NA	NA	NA	NA	--	NA	--	--
Pesticides	4,4'-DDE	*NA*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dieldrin	*NA*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	*NA*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOC	bis(2-Ethylhexyl)phthalate	*NA*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	*NA*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
PBDEs	PBDE-47	*0.00238*	mg/kg ww	0 0001	I	--	--		Nervous	2 2E-06	0 02	8 3E-07	0 008	1 9E-07	--	2 4E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 5		0 2		4E-06		5E-06	1E-05
	Dioxin/Furan TEQ only	*0.000000177*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 7E-10	*0.2*	6 2E-11	*0.09*	1 4E-11	*2E-06*	1 8E-11	*2E-06*	*4E-06*
	PCB TEQ only	*0.000000235*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	2 2E-10	*0.3*	8 2E-11	*0.1*	1 9E-11	*2E-06*	2 4E-11	*3E-06*	*6E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00871*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	8 1E-06	--	3 0E-06	--	7 0E-07	*1E-06*	8 7E-07	*2E-06*	*3E-06*
									Consumption Total		**2**		**0.8**		**4E-06**		**5E-06**	**1E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	ND	ND
Developmental HI	0 9	0 3
Endocrine HI	NA	NA
Gastrointestinal HI	NA	NA
Hematologic HI	0 2	0 08
Nervous HI	1	0 4
Reproductive HI	0 5	0 2
Skin, Hair & Nails HI	0 6	0 2

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-105. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Recreational Visitor: Sucker Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*1.11*	mg/kg ww	1	P	--	--		Nervous	1 0E-03	0 001	3 9E-04	0 0004	8 9E-05	--	1 1E-04	--	--
	Antimony	*0.0106*	mg/kg ww	0 0004	I	--	--		Hematologic	9 9E-06	0 02	3 7E-06	0 009	8 5E-07	--	1 1E-06	--	--
	Inorganic Arsenic	*0.00492*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	4 6E-06	0 02	1 7E-06	0 006	3 9E-07	6E-07	4 9E-07	7E-07	1E-06
	Chromium	*0.112*	mg/kg ww	0 003	I	--	--	(b)	3E+02	1 0E-04	0 03	3 9E-05	0 01	9 0E-06	--	1 1E-05	--	--
	Mercury	*0.296*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	2 8E-04	3	1 0E-04	1	2 4E-05	--	3 0E-05	--	--
	Selenium	*0.296*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	2 8E-04	0 06	1 0E-04	0 02	2 4E-05	--	3 0E-05	--	--
	Thallium	*0.0134*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	1 3E-05	1	4 7E-06	0 5	1 1E-06	--	1 3E-06	--	--
	Zirconium	*0.00225*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	2 1E-06	0 03	7 9E-07	0 01	1 8E-07	--	2 3E-07	--	--
Pesticides	4,4'-DDE	*0.0167*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	1 6E-05	0 05	5 8E-06	0 02	1 3E-06	5E-07	1 7E-06	6E-07	1E-06
	Dieldrin	*0.000253*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	2 4E-07	0 005	8 9E-08	0 002	2 0E-08	3E-07	2 5E-08	4E-07	7E-07
	Heptachlor epoxide	*0.000368*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	3 4E-07	0 03	1 3E-07	0 01	2 9E-08	3E-07	3 7E-08	3E-07	6E-07
SVOC	bis(2-Ethylhexyl)phthalate	*0.49*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	4 6E-04	0 02	1 7E-04	0 009	3 9E-05	5E-07	4 9E-05	7E-07	1E-06
	Hexachlorobenzene	*0.00215*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	2 0E-06	0 003	7 5E-07	0 0009	1 7E-07	3E-07	2 2E-07	3E-07	6E-07
PBDEs	PBDE-47	*0.028*	mg/kg ww	0 0001	I	--	--		Nervous	2 6E-05	0 3	9 8E-06	0 1	2 2E-06	--	2 8E-06	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		2		0 7		1E-05		2E-05	3E-05
	Dioxin/Furan TEQ only	*0.00000107*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 0E-09	*1*	3 7E-10	*0.5*	8 5E-11	*1E-05*	1 1E-10	*1E-05*	*2E-05*
	PCB TEQ only	*0.000000356*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	3 3E-10	*0.5*	1 2E-10	*0.2*	2 8E-11	*4E-06*	3 6E-11	*5E-06*	*8E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0596*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	5 6E-05	--	2 1E-05	--	4 8E-06	*1E-05*	6 0E-06	*1E-05*	*2E-05*
									Consumption Total		**6**		**2**		**2E-05**		**2E-05**	**4E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 04	0 02
Developmental HI	3	1
Endocrine HI	0 03	0 01
Gastrointestinal HI	0 1	0 04
Hematologic HI	0 08	0 03
Nervous HI	3	1
Reproductive HI	2	0 7
Skin, Hair & Nails HI	1	0 5

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-106. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Recreational Visitor: Walleye Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*30.8*	mg/kg ww	1	P	--	--		Nervous	2 9E-02	0 03	1 1E-02	0 01	2 5E-03	--	3 1E-03	--	--
	Antimony	*0.011*	mg/kg ww	0 0004	I	--	--		Hematologic	1 0E-05	0 03	3 9E-06	0 01	8 8E-07	--	1 1E-06	--	--
	Inorganic Arsenic	*0.00528*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	4 9E-06	0 02	1 8E-06	0 006	4 2E-07	6E-07	5 3E-07	8E-07	1E-06
	Chromium	*0.321*	mg/kg ww	0 003	I	--	--	(b)	3E+02	3 0E-04	0 1	1 1E-04	0 04	2 6E-05	--	3 2E-05	--	--
	Mercury	*0.179*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	1 7E-04	2	6 3E-05	0 6	1 4E-05	--	1 8E-05	--	--
	Selenium	*0.361*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	3 4E-04	0 07	1 3E-04	0 03	2 9E-05	--	3 6E-05	--	--
	Thallium	*0.0368*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	3 4E-05	3	1 3E-05	1	2 9E-06	--	3 7E-06	--	--
	Zirconium	*0.0786*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	7 3E-05	0 9	2 8E-05	0 3	6 3E-06	--	7 9E-06	--	--
Pesticides	4,4'-DDE	*0.00128*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	1 2E-06	0 004	4 5E-07	0 001	1 0E-07	3E-08	1 3E-07	4E-08	8E-08
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*0.22*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	2 1E-04	0 01	7 7E-05	0 004	1 8E-05	2E-07	2 2E-05	3E-07	6E-07
	Hexachlorobenzene	*0.0012*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	1 1E-06	0 001	4 2E-07	0 0005	9 6E-08	2E-07	1 2E-07	2E-07	3E-07
PBDEs	PBDE-47	*0.00351*	mg/kg ww	0 0001	I	--	--		Nervous	3 3E-06	0 03	1 2E-06	0 01	2 8E-07	--	3 5E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 6		0 2		4E-06		6E-06	1E-05
	Dioxin/Furan TEQ only	*0.000000187*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 7E-10	*0.2*	6 6E-11	*0.09*	1 5E-11	*2E-06*	1 9E-11	*2E-06*	*4E-06*
	PCB TEQ only	*0.000000242*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	2 3E-10	*0.3*	8 5E-11	*0.1*	1 9E-11	*3E-06*	2 4E-11	*3E-06*	*6E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		1E-06		1E-06	2E-06
	as Aroclor	*0.00505*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	4 7E-06	--	1 8E-06	--	4 0E-07	*8E-07*	5 1E-07	*1E-06*	*2E-06*
	as PCB Congener Sum	*0.00624*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	5 8E-06	--	2 2E-06	--	5 0E-07	*1E-06*	6 2E-07	*1E-06*	*2E-06*
									Consumption Total		**7**		**3**		**7E-06**		**8E-06**	**1E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 9	0 4
Developmental HI	2	0 6
Endocrine HI	0 9	0 3
Gastrointestinal HI	0 02	0 006
Hematologic HI	0 09	0 03
Nervous HI	2	0 7
Reproductive HI	0 6	0 2
Skin, Hair & Nails HI	4	1

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-107. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME Recreational Visitor: Whitefish Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*1.86*	mg/kg ww	1	P	--	--		Nervous	1 7E-03	0 002	6 5E-04	0 0007	1 5E-04	--	1 9E-04	--	--
	Antimony	*0.00613*	mg/kg ww	0 0004	I	--	--		Hematologic	5 7E-06	0 01	2 1E-06	0 005	4 9E-07	--	6 1E-07	--	--
	Inorganic Arsenic	*0.00716*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	6 7E-06	0 02	2 5E-06	0 008	5 7E-07	9E-07	7 2E-07	1E-06	2E-06
	Chromium	*0.0512*	mg/kg ww	0 003	I	--	--	(b)	3E+02	4 8E-05	0 02	1 8E-05	0 006	4 1E-06	--	5 1E-06	--	--
	Mercury	*0.0973*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	9 1E-05	0 9	3 4E-05	0 3	7 8E-06	--	9 7E-06	--	--
	Selenium	*0.303*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	2 8E-04	0 06	1 1E-04	0 02	2 4E-05	--	3 0E-05	--	--
	Thallium	*0.0164*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	1 5E-05	2	5 7E-06	0 6	1 3E-06	--	1 6E-06	--	--
	Zirconium	*0.0128*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	1 2E-05	0 1	4 5E-06	0 06	1 0E-06	--	1 3E-06	--	--
Pesticides	4,4'-DDE	*0.00574*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	5 4E-06	0 02	2 0E-06	0 007	4 6E-07	2E-07	5 7E-07	2E-07	4E-07
	Dieldrin	*0.000327*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	3 0E-07	0 006	1 1E-07	0 002	2 6E-08	4E-07	3 3E-08	5E-07	9E-07
	Heptachlor epoxide	*0.00045*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	4 2E-07	0 03	1 6E-07	0 01	3 6E-08	3E-07	4 5E-08	4E-07	7E-07
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00257*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	2 4E-06	0 003	9 0E-07	0 001	2 1E-07	3E-07	2 6E-07	4E-07	7E-07
PBDEs	PBDE-47	*0.0182*	mg/kg ww	0 0001	I	--	--		Nervous	1 7E-05	0 2	6 4E-06	0 06	1 5E-06	--	1 8E-06	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		2		0 8		2E-05		2E-05	4E-05
	Dioxin/Furan TEQ only	*0.000000819*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	7 6E-10	*1*	2 9E-10	*0.4*	6 5E-11	*9E-06*	8 2E-11	*1E-05*	*2E-05*
	PCB TEQ only	*0.000000684*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	6 4E-10	*0.9*	2 4E-10	*0.3*	5 5E-11	*7E-06*	6 8E-11	*9E-06*	*2E-05*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0234*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	2 2E-05	--	8 2E-06	--	1 9E-06	*4E-06*	2 3E-06	*5E-06*	*8E-06*
									Consumption Total		**5**		**2**		**2E-05**		**2E-05**	**4E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 2	0 06
Developmental HI	0 9	0 3
Endocrine HI	0 1	0 06
Gastrointestinal HI	0 06	0 02
Hematologic HI	0 07	0 03
Nervous HI	1	0 4
Reproductive HI	2	0 8
Skin, Hair & Nails HI	2	0 6

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-108. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Recreational Visitor: Burbot Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*0.697*	mg/kg ww	1	P	--	--		Nervous	1 5E-04	0 0001	5 5E-05	0 00005	4 2E-06	--	6 3E-06	--	--
	Antimony	*0.0277*	mg/kg ww	0 0004	I	--	--		Hematologic	5 8E-06	0 01	2 2E-06	0 005	1 7E-07	--	2 5E-07	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.0625*	mg/kg ww	0 003	I	--	--	(b)	3E+02	1 3E-05	0 004	4 9E-06	0 002	3 8E-07	--	5 6E-07	--	--
	Mercury	*0.245*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	5 1E-05	0 5	1 9E-05	0 2	1 5E-06	--	2 2E-06	--	--
	Selenium	*0.357*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	7 5E-05	0 01	2 8E-05	0 006	2 1E-06	--	3 2E-06	--	--
	Thallium	*0.00733*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	1 5E-06	0 2	5 8E-07	0 06	4 4E-08	--	6 6E-08	--	--
	Zirconium	*0.00214*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	4 5E-07	0 006	1 7E-07	0 002	1 3E-08	--	1 9E-08	--	--
Pesticides	4,4'-DDE	*0.00102*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	2 1E-07	0 0007	8 0E-08	0 0003	6 1E-09	2E-09	9 2E-09	3E-09	5E-09
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*ND*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
PBDEs	PBDE-47	*0.00159*	mg/kg ww	0 0001	I	--	--		Nervous	3 3E-07	0 003	1 3E-07	0 001	9 5E-09	--	1 4E-08	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 3		0 1		7E-07		1E-06	2E-06
	Dioxin/Furan TEQ only	*0.000000604*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 3E-10	*0.2*	4 8E-11	*0.07*	3 6E-12	*5E-07*	5 4E-12	*7E-07*	*1E-06*
	PCB TEQ only	*0.000000275*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	5 8E-11	*0.08*	2 2E-11	*0.03*	1 7E-12	*2E-07*	2 5E-12	*3E-07*	*5E-07*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00189*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	4 0E-07	--	1 5E-07	--	1 1E-08	*2E-08*	1 7E-08	*3E-08*	*6E-08*
									Consumption Total		**1**		**0.4**		**7E-07**		**1E-06**	**2E-06**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 006	0 002
Developmental HI	0 5	0 2
Endocrine HI	0 006	0 002
Gastrointestinal HI	0 0007	0 0003
Hematologic HI	0 03	0 01
Nervous HI	0 5	0 2
Reproductive HI	0 3	0 1
Skin, Hair & Nails HI	0 2	0 06

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-109. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Recreational Visitor: Kokanee Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*0.698*	mg/kg ww	1	P	--	--		Nervous	1 5E-04	0 0001	5 5E-05	0 00005	4 2E-06	--	6 3E-06	--	--
	Antimony	*0.0106*	mg/kg ww	0 0004	I	--	--		Hematologic	2 2E-06	0 006	8 3E-07	0 002	6 4E-08	--	9 5E-08	--	--
	Inorganic Arsenic	*0.00387*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	8 1E-07	0 003	3 0E-07	0 001	2 3E-08	3E-08	3 5E-08	5E-08	9E-08
	Chromium	*0.0665*	mg/kg ww	0 003	I	--	--	(b)	3E+02	1 4E-05	0 005	5 2E-06	0 002	4 0E-07	--	6 0E-07	--	--
	Mercury	*0.0652*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	1 4E-05	0 1	5 1E-06	0 05	3 9E-07	--	5 9E-07	--	--
	Selenium	*0.286*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	6 0E-05	0 01	2 3E-05	0 005	1 7E-06	--	2 6E-06	--	--
	Thallium	*0.0294*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	6 2E-06	0 6	2 3E-06	0 2	1 8E-07	--	2 6E-07	--	--
	Zirconium	*0.00763*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	1 6E-06	0 02	6 0E-07	0 008	4 6E-08	--	6 9E-08	--	--
Pesticides	4,4'-DDE	*0.00237*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	5 0E-07	0 002	1 9E-07	0 0006	1 4E-08	5E-09	2 1E-08	7E-09	1E-08
	Dieldrin	*0.00027*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	5 7E-08	0 001	2 1E-08	0 0004	1 6E-09	3E-08	2 4E-09	4E-08	6E-08
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00136*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	2 9E-07	0 0004	1 1E-07	0 0001	8 2E-09	1E-08	1 2E-08	2E-08	3E-08
PBDEs	PBDE-47	*0.00265*	mg/kg ww	0 0001	I	--	--		Nervous	5 6E-07	0 006	2 1E-07	0 002	1 6E-08	--	2 4E-08	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 2		0 06		4E-07		7E-07	1E-06
	Dioxin/Furan TEQ only	*0.000000187*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	3 9E-11	*0.06*	1 5E-11	*0.02*	1 1E-12	*1E-07*	1 7E-12	*2E-07*	*4E-07*
	PCB TEQ only	*0.000000375*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	7 9E-11	*0.1*	3 0E-11	*0.04*	2 3E-12	*3E-07*	3 4E-12	*4E-07*	*7E-07*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00772*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	1 6E-06	--	6 1E-07	--	4 6E-08	*9E-08*	6 9E-08	*1E-07*	*2E-07*
									Consumption Total		**1**		**0.4**		**5E-07**		**8E-07**	**1E-06**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 02	0 009
Developmental HI	0 1	0 05
Endocrine HI	0 02	0 008
Gastrointestinal HI	0 003	0 001
Hematologic HI	0 02	0 007
Nervous HI	0 2	0 06
Reproductive HI	0 2	0 06
Skin, Hair & Nails HI	0 6	0 2

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-110. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Recreational Visitor: Northern Pike Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*0.434*	mg/kg ww	1	P	--	--		Nervous	9 1E-05	0 00009	3 4E-05	0 00003	2 6E-06	--	3 9E-06	--	--
	Antimony	*0.00103*	mg/kg ww	0 0004	I	--	--		Hematologic	2 2E-07	0 0005	8 1E-08	0 0002	6 2E-09	--	9 3E-09	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.114*	mg/kg ww	0 003	I	--	--	(b)	3E+02	2 4E-05	0 008	9 0E-06	0 003	6 8E-07	--	1 0E-06	--	--
	Mercury	*0.122*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	2 6E-05	0 3	9 6E-06	0 1	7 3E-07	--	1 1E-06	--	--
	Selenium	*0.647*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	1 4E-04	0 03	5 1E-05	0 01	3 9E-06	--	5 8E-06	--	--
	Thallium	*0.0131*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	2 8E-06	0 3	1 0E-06	0 1	7 9E-08	--	1 2E-07	--	--
	Zirconium	*NA*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	NA	NA	NA	NA	NA	--	NA	--	--
Pesticides	4,4'-DDE	*NA*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dieldrin	*NA*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	*NA*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOC	bis(2-Ethylhexyl)phthalate	*NA*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	*NA*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
PBDEs	PBDE-47	*NA*	mg/kg ww	0 0001	I	--	--		Nervous	NA	NA	NA	NA	NA	--	NA	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		NA		NA		NA		NA	NA
	Dioxin/Furan TEQ only	*NA*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	NA	*NA*	NA	*NA*	NA	*NA*	NA	*NA*	*NA*
	PCB TEQ only	*NA*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	NA	*NA*	NA	*NA*	NA	*NA*	NA	*NA*	*NA*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
									Consumption Total		**1**		**0.2**		**ND**		**ND**	**ND**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	ND	ND
Developmental HI	0 3	0 1
Endocrine HI	NA	NA
Gastrointestinal HI	NA	NA
Hematologic HI	0 03	0 01
Nervous HI	0 3	0 1
Reproductive HI	NA	NA
Skin, Hair & Nails HI	0 3	0 1

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-111. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Recreational Visitor: Rainbow Trout Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.667*	mg/kg ww	1	P	--	--		Nervous	1 4E-04	0 0001	5 3E-05	0 00005	4 0E-06	--	6 0E-06	--	--
	Antimony	*0.0129*	mg/kg ww	0 0004	I	--	--		Hematologic	2 7E-06	0 007	1 0E-06	0 003	7 7E-08	--	1 2E-07	--	--
	Inorganic Arsenic	*0.00398*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	8 4E-07	0 003	3 1E-07	0 001	2 4E-08	4E-08	3 6E-08	5E-08	9E-08
	Chromium	*0.273*	mg/kg ww	0 003	I	--	--	(b)	3E+02	5 7E-05	0 02	2 1E-05	0 007	1 6E-06	--	2 5E-06	--	--
	Mercury	*0.0847*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	1 8E-05	0 2	6 7E-06	0 07	5 1E-07	--	7 6E-07	--	--
	Selenium	*0.339*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	7 1E-05	0 01	2 7E-05	0 005	2 0E-06	--	3 1E-06	--	--
	Thallium	*0.025*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	5 3E-06	0 5	2 0E-06	0 2	1 5E-07	--	2 3E-07	--	--
	Zirconium	*0.00586*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	1 2E-06	0 02	4 6E-07	0 006	3 5E-08	--	5 3E-08	--	--
Pesticides	4,4'-DDE	*0.00755*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	1 6E-06	0 005	5 9E-07	0 002	4 5E-08	2E-08	6 8E-08	2E-08	4E-08
	Dieldrin	*0.00023*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	4 8E-08	0 001	1 8E-08	0 0004	1 4E-09	2E-08	2 1E-09	3E-08	6E-08
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00146*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	3 1E-07	0 0004	1 1E-07	0 0001	8 8E-09	1E-08	1 3E-08	2E-08	4E-08
PBDEs	PBDE-47	*0.0077*	mg/kg ww	0 0001	I	--	--		Nervous	1 6E-06	0 02	6 1E-07	0 006	4 6E-08	--	6 9E-08	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 3		0 1		7E-07		1E-06	2E-06
	Dioxin/Furan TEQ only	*0.000000604*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 3E-10	*0.2*	4 8E-11	*0.07*	3 6E-12	*5E-07*	5 4E-12	*7E-07*	*1E-06*
	PCB TEQ only	*0.000000356*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	7 5E-11	*0.1*	2 8E-11	*0.04*	2 1E-12	*3E-07*	3 2E-12	*4E-07*	*7E-07*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		3E-07		4E-07	6E-07
	as Aroclor	*0.0187*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	3 9E-06	--	1 5E-06	--	1 1E-07	*2E-07*	1 7E-07	*3E-07*	*6E-07*
	as PCB Congener Sum	*0.021*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	4 4E-06	--	1 7E-06	--	1 3E-07	*3E-07*	1 9E-07	*4E-07*	*6E-07*
									Consumption Total		**1**		**0.4**		**1E-06**		**2E-06**	**3E-06**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 02	0 007
Developmental HI	0 2	0 07
Endocrine HI	0 02	0 006
Gastrointestinal HI	0 007	0 002
Hematologic HI	0 02	0 008
Nervous HI	0 2	0 08
Reproductive HI	0 3	0 1
Skin, Hair & Nails HI	0 5	0 2

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-112. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Recreational Visitor: Smallmouth Bass Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.548*	mg/kg ww	1	P	--	--		Nervous	1 2E-04	0 0001	4 3E-05	0 00004	3 3E-06	--	4 9E-06	--	--
	Antimony	*0.00932*	mg/kg ww	0 0004	I	--	--		Hematologic	2 0E-06	0 005	7 3E-07	0 002	5 6E-08	--	8 4E-08	--	--
	Inorganic Arsenic	*0.0051*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	1 1E-06	0 004	4 0E-07	0 001	3 1E-08	5E-08	4 6E-08	7E-08	1E-07
	Chromium	*0.111*	mg/kg ww	0 003	I	--	--	(b)	3E+02	2 3E-05	0 008	8 7E-06	0 003	6 7E-07	--	1 0E-06	--	--
	Mercury	*0.173*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	3 6E-05	0 4	1 4E-05	0 1	1 0E-06	--	1 6E-06	--	--
	Selenium	*0.471*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	9 9E-05	0 02	3 7E-05	0 007	2 8E-06	--	4 2E-06	--	--
	Thallium	*0.0258*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	5 4E-06	0 5	2 0E-06	0 2	1 5E-07	--	2 3E-07	--	--
	Zirconium	*0.00173*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	3 6E-07	0 005	1 4E-07	0 002	1 0E-08	--	1 6E-08	--	--
Pesticides	4,4'-DDE	*0.0032*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	6 7E-07	0 002	2 5E-07	0 0008	1 9E-08	7E-09	2 9E-08	1E-08	2E-08
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.001*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	2 1E-07	0 0003	7 9E-08	0 0001	6 0E-09	1E-08	9 0E-09	1E-08	2E-08
PBDEs	PBDE-47	*0.00745*	mg/kg ww	0 0001	I	--	--		Nervous	1 6E-06	0 02	5 9E-07	0 006	4 5E-08	--	6 7E-08	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 3		0 1		8E-07		1E-06	2E-06
	Dioxin/Furan TEQ only	*0.000000753*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 6E-10	*0.2*	5 9E-11	*0.08*	4 5E-12	*6E-07*	6 8E-12	*9E-07*	*1E-06*
	PCB TEQ only	*0.000000307*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	6 4E-11	*0.09*	2 4E-11	*0.03*	1 8E-12	*2E-07*	2 8E-12	*4E-07*	*6E-07*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0072*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	1 5E-06	--	5 7E-07	--	4 3E-08	*9E-08*	6 5E-08	*1E-07*	*2E-07*
									Consumption Total		**1**		**0.5**		**9E-07**		**1E-06**	**2E-06**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 008	0 003
Developmental HI	0 4	0 1
Endocrine HI	0 005	0 002
Gastrointestinal HI	0 003	0 0009
Hematologic HI	0 02	0 009
Nervous HI	0 4	0 1
Reproductive HI	0 3	0 1
Skin, Hair & Nails HI	0 6	0 2

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-113. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Recreational Visitor: Sturgeon Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*0.712*	mg/kg ww	1	P	--	--		Nervous	1 5E-04	0 0001	5 6E-05	0 00006	4 3E-06	--	6 4E-06	--	--
	Antimony	*ND*	mg/kg ww	0 0004	I	--	--		Hematologic	ND	ND	ND	ND	ND	--	ND	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.0938*	mg/kg ww	0 003	I	--	--	(b)	3E+02	2 0E-05	0 007	7 4E-06	0 002	5 6E-07	--	8 4E-07	--	--
	Mercury	*0.0946*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	2 0E-05	0 2	7 4E-06	0 07	5 7E-07	--	8 5E-07	--	--
	Selenium	*1.14*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	2 4E-04	0 05	9 0E-05	0 02	6 8E-06	--	1 0E-05	--	--
	Thallium	*0.00384*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	8 1E-07	0 08	3 0E-07	0 03	2 3E-08	--	3 5E-08	--	--
	Zirconium	*NA*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	NA	NA	NA	NA	NA	--	NA	--	--
Pesticides	4,4'-DDE	*NA*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dieldrin	*NA*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	*NA*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOC	bis(2-Ethylhexyl)phthalate	*NA*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	*NA*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
PBDEs	PBDE-47	*0.00238*	mg/kg ww	0 0001	I	--	--		Nervous	5 0E-07	0 005	1 9E-07	0 002	1 4E-08	--	2 1E-08	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 1		0 05		3E-07		5E-07	8E-07
	Dioxin/Furan TEQ only	*0.000000177*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	3 7E-11	*0.05*	1 4E-11	*0.02*	1 1E-12	*1E-07*	1 6E-12	*2E-07*	*3E-07*
	PCB TEQ only	*0.000000235*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	4 9E-11	*0.07*	1 9E-11	*0.03*	1 4E-12	*2E-07*	2 1E-12	*3E-07*	*5E-07*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00871*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	1 8E-06	--	6 9E-07	--	5 2E-08	*1E-07*	7 8E-08	*2E-07*	*3E-07*
									Consumption Total		**1**		**0.2**		**3E-07**		**5E-07**	**8E-07**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	ND	ND
Developmental HI	0 2	0 07
Endocrine HI	NA	NA
Gastrointestinal HI	NA	NA
Hematologic HI	0 05	0 02
Nervous HI	0 3	0 09
Reproductive HI	0 1	0 05
Skin, Hair & Nails HI	0 1	0 05

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-114. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Recreational Visitor: Sucker Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*1.11*	mg/kg ww	1	P	--	--		Nervous	2 3E-04	0 0002	8 7E-05	0 00009	6 6E-06	--	1 0E-05	--	--
	Antimony	*0.0106*	mg/kg ww	0 0004	I	--	--		Hematologic	2 2E-06	0 006	8 3E-07	0 002	6 4E-08	--	9 5E-08	--	--
	Inorganic Arsenic	*0.00492*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	1 0E-06	0 003	3 9E-07	0 001	3 0E-08	4E-08	4 4E-08	7E-08	1E-07
	Chromium	*0.112*	mg/kg ww	0 003	I	--	--	(b)	3E+02	2 4E-05	0 008	8 8E-06	0 003	6 7E-07	--	1 0E-06	--	--
	Mercury	*0.296*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	6 2E-05	0 6	2 3E-05	0 2	1 8E-06	--	2 7E-06	--	--
	Selenium	*0.296*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	6 2E-05	0 01	2 3E-05	0 005	1 8E-06	--	2 7E-06	--	--
	Thallium	*0.0134*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	2 8E-06	0 3	1 1E-06	0 1	8 0E-08	--	1 2E-07	--	--
	Zirconium	*0.00225*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	4 7E-07	0 006	1 8E-07	0 002	1 4E-08	--	2 0E-08	--	--
Pesticides	4,4'-DDE	*0.0167*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	3 5E-06	0 01	1 3E-06	0 004	1 0E-07	3E-08	1 5E-07	5E-08	9E-08
	Dieldrin	*0.000253*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	5 3E-08	0 001	2 0E-08	0 0004	1 5E-09	2E-08	2 3E-09	4E-08	6E-08
	Heptachlor epoxide	*0.000368*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	7 7E-08	0 006	2 9E-08	0 002	2 2E-09	2E-08	3 3E-09	3E-08	5E-08
SVOC	bis(2-Ethylhexyl)phthalate	*0.49*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	1 0E-04	0 005	3 9E-05	0 002	2 9E-06	4E-08	4 4E-06	6E-08	1E-07
	Hexachlorobenzene	*0.00215*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	4 5E-07	0 0006	1 7E-07	0 0002	1 3E-08	2E-08	1 9E-08	3E-08	5E-08
PBDEs	PBDE-47	*0.028*	mg/kg ww	0 0001	I	--	--		Nervous	5 9E-06	0 06	2 2E-06	0 02	1 7E-07	--	2 5E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 4		0 2		1E-06		2E-06	3E-06
	Dioxin/Furan TEQ only	*0.00000107*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	2 2E-10	*0.3*	8 4E-11	*0.1*	6 4E-12	*8E-07*	9 6E-12	*1E-06*	*2E-06*
	PCB TEQ only	*0.000000356*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	7 5E-11	*0.1*	2 8E-11	*0.04*	2 1E-12	*3E-07*	3 2E-12	*4E-07*	*7E-07*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0596*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	1 3E-05	--	4 7E-06	--	3 6E-07	*7E-07*	5 4E-07	*1E-06*	*2E-06*
									Consumption Total		**1**		**0.5**		**1E-06**		**2E-06**	**3E-06**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 009	0 004
Developmental HI	0 6	0 2
Endocrine HI	0 006	0 002
Gastrointestinal HI	0 02	0 009
Hematologic HI	0 02	0 007
Nervous HI	0 7	0 3
Reproductive HI	0 4	0 2
Skin, Hair & Nails HI	0 3	0 1

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-115. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Recreational Visitor: Walleye Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*30.8*	mg/kg ww	1	P	--	--		Nervous	6 5E-03	0 006	2 4E-03	0 002	1 8E-04	--	2 8E-04	--	--
	Antimony	*0.011*	mg/kg ww	0 0004	I	--	--		Hematologic	2 3E-06	0 006	8 7E-07	0 002	6 6E-08	--	9 9E-08	--	--
	Inorganic Arsenic	*0.00528*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	1 1E-06	0 004	4 2E-07	0 001	3 2E-08	5E-08	4 8E-08	7E-08	1E-07
	Chromium	*0.321*	mg/kg ww	0 003	I	--	--	(b)	3E+02	6 7E-05	0 02	2 5E-05	0 008	1 9E-06	--	2 9E-06	--	--
	Mercury	*0.179*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	3 8E-05	0 4	1 4E-05	0 1	1 1E-06	--	1 6E-06	--	--
	Selenium	*0.361*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	7 6E-05	0 02	2 8E-05	0 006	2 2E-06	--	3 2E-06	--	--
	Thallium	*0.0368*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	7 7E-06	0 8	2 9E-06	0 3	2 2E-07	--	3 3E-07	--	--
	Zirconium	*0.0786*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	1 7E-05	0 2	6 2E-06	0 08	4 7E-07	--	7 1E-07	--	--
Pesticides	4,4'-DDE	*0.00128*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	2 7E-07	0 0009	1 0E-07	0 0003	7 7E-09	3E-09	1 2E-08	4E-09	7E-09
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*0.22*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	4 6E-05	0 002	1 7E-05	0 0009	1 3E-06	2E-08	2 0E-06	3E-08	5E-08
	Hexachlorobenzene	*0.0012*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	2 5E-07	0 0003	9 5E-08	0 0001	7 2E-09	1E-08	1 1E-08	2E-08	3E-08
PBDEs	PBDE-47	*0.00351*	mg/kg ww	0 0001	I	--	--		Nervous	7 4E-07	0 007	2 8E-07	0 003	2 1E-08	--	3 2E-08	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 1		0 05		3E-07		5E-07	8E-07
	Dioxin/Furan TEQ only	*0.000000187*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	3 9E-11	*0.06*	1 5E-11	*0.02*	1 1E-12	*1E-07*	1 7E-12	*2E-07*	*4E-07*
	PCB TEQ only	*0.000000242*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	5 1E-11	*0.07*	1 9E-11	*0.03*	1 5E-12	*2E-07*	2 2E-12	*3E-07*	*5E-07*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		7E-08		1E-07	2E-07
	as Aroclor	*0.00505*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	1 1E-06	--	4 0E-07	--	3 0E-08	*6E-08*	4 5E-08	*9E-08*	*2E-07*
	as PCB Congener Sum	*0.00624*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	1 3E-06	--	4 9E-07	--	3 7E-08	*7E-08*	5 6E-08	*1E-07*	*2E-07*
									Consumption Total		**2**		**0.6**		**5E-07**		**7E-07**	**1E-06**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 2	0 08
Developmental HI	0 4	0 1
Endocrine HI	0 2	0 08
Gastrointestinal HI	0 004	0 001
Hematologic HI	0 02	0 008
Nervous HI	0 4	0 2
Reproductive HI	0 1	0 05
Skin, Hair & Nails HI	0 8	0 3

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-116. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE Recreational Visitor: Whitefish Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*1.86*	mg/kg ww	1	P	--	--		Nervous	3 9E-04	0 0004	1 5E-04	0 0001	1 1E-05	--	1 7E-05	--	--
	Antimony	*0.00613*	mg/kg ww	0 0004	I	--	--		Hematologic	1 3E-06	0 003	4 8E-07	0 001	3 7E-08	--	5 5E-08	--	--
	Inorganic Arsenic	*0.00716*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	1 5E-06	0 005	5 6E-07	0 002	4 3E-08	6E-08	6 4E-08	1E-07	2E-07
	Chromium	*0.0512*	mg/kg ww	0 003	I	--	--	(b)	3E+02	1 1E-05	0 004	4 0E-06	0 001	3 1E-07	--	4 6E-07	--	--
	Mercury	*0.0973*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	2 0E-05	0 2	7 7E-06	0 08	5 8E-07	--	8 8E-07	--	--
	Selenium	*0.303*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	6 4E-05	0 01	2 4E-05	0 005	1 8E-06	--	2 7E-06	--	--
	Thallium	*0.0164*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	3 4E-06	0 3	1 3E-06	0 1	9 8E-08	--	1 5E-07	--	--
	Zirconium	*0.0128*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	2 7E-06	0 03	1 0E-06	0 01	7 7E-08	--	1 2E-07	--	--
Pesticides	4,4'-DDE	*0.00574*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	1 2E-06	0 004	4 5E-07	0 002	3 4E-08	1E-08	5 2E-08	2E-08	3E-08
	Dieldrin	*0.000327*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	6 9E-08	0 001	2 6E-08	0 0005	2 0E-09	3E-08	2 9E-09	5E-08	8E-08
	Heptachlor epoxide	*0.00045*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	9 5E-08	0 007	3 5E-08	0 003	2 7E-09	2E-08	4 1E-09	4E-08	6E-08
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00257*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	5 4E-07	0 0007	2 0E-07	0 0003	1 5E-08	2E-08	2 3E-08	4E-08	6E-08
PBDEs	PBDE-47	*0.0182*	mg/kg ww	0 0001	I	--	--		Nervous	3 8E-06	0 04	1 4E-06	0 01	1 1E-07	--	1 6E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		0 5		0 2		1E-06		2E-06	3E-06
	Dioxin/Furan TEQ only	*0.000000819*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 7E-10	*0.2*	6 4E-11	*0.09*	4 9E-12	*6E-07*	7 4E-12	*1E-06*	*2E-06*
	PCB TEQ only	*0.000000684*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 4E-10	*0.2*	5 4E-11	*0.08*	4 1E-12	*5E-07*	6 2E-12	*8E-07*	*1E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0234*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	4 9E-06	--	1 8E-06	--	1 4E-07	*3E-07*	2 1E-07	*4E-07*	*7E-07*
									Consumption Total		**1**		**0.4**		**1E-06**		**2E-06**	**3E-06**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 04	0 01
Developmental HI	0 2	0 08
Endocrine HI	0 03	0 01
Gastrointestinal HI	0 01	0 005
Hematologic HI	0 02	0 006
Nervous HI	0 3	0 1
Reproductive HI	0 5	0 2
Skin, Hair & Nails HI	0 4	0 1

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 5-117. Cancer Risks by DU for the Current Resident who Consumes Burbot

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation		2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation		2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Burbot)		9E-06	1E-05	2E-05				9E-07	1E-06	2E-06			
Residential Soil/Dust[a]		Number of DUs that exceed benchmark[c]:						Number of DUs that exceed benchmark[c]:					
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
9	Agriculture	7E-06	2E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	8E-07	2E-06	4E-06	6E-06
13	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
14	Garden	7E-06	2E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	8E-07	2E-06	4E-06	6E-06
15	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
16	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
17	Other -Not Specified	7E-06	2E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	8E-07	2E-06	4E-06	6E-06
18[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
20[b]	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
21	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
22	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
25	House	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
27	Other -Not Specified	7E-06	2E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	8E-07	2E-06	4E-06	6E-06
28	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
29	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
30	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
31	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
33	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
35[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
39[b]	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
40[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
42	House	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
44	Agriculture	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
46	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
47	Agriculture	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
49[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
55	House	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
56	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
58	Agriculture	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
59	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
60	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
61	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
62	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
66	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
67	Garden	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
70	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
71	Garden	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
72	Garden	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
75	House	1E-05	4E-06	1E-05	2E-05	2E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
82	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06

Table 5-117. Cancer Risks by DU for the Current Resident who Consumes Burbot

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
85	House	3E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
86	Agriculture	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
87	Agriculture	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
106	House	2E-05	5E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
107	Garden	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
108	Garden	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
109[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
110	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
111	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
112	House	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	9E-07	3E-06	2E-06	4E-06	8E-06
121	House	7E-06	3E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	8E-07	2E-06	4E-06	6E-06
122	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
123	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
135	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
146	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
147	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
151[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
152	Other -Not Specified	6E-06	2E-06	9E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
154	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
160	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
163	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
164	Agriculture	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
167	Agriculture	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
168	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
169	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
170[b]	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
175	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
177	Agriculture	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
185	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
186	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
189	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
192	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
193	House	7E-06	3E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
194[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
196[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
201	House	7E-06	2E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	8E-07	2E-06	4E-06	6E-06
203[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
206	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
208	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
213	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
216	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
218[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
226C	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	4E-06	5E-06
229	Play Area	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06

Table 5-117. Cancer Risks by DU for the Current Resident who Consumes Burbot

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
231	House	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	4E-06	5E-06
246	Play Area	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
249	Other -Not Specified	7E-06	2E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
250	House	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
253	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
280	Other -Not Specified	5E-06	2E-06	8E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
287	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
288	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
291	Agriculture	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
306	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
315	House	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
316	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
317	House	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
318	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
319	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
325	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
326	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
327	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
345	Play Area	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
346	Garden	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
347	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
801	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
1001	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
1005	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
1006	House	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
1007	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
1008	Agriculture	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
1010	Agriculture	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	3E-07	8E-07	2E-06	4E-06	6E-06
1011	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
1015	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
1017	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	4E-06	5E-06
1018	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06
1020	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
1021[b]	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
1030[b]	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
1035	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
1036	Play Area	7E-06	2E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	8E-07	2E-06	4E-06	6E-06
1037	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
1060	House	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	4E-06	5E-06
3000	House	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
3001	Garden	1E-05	5E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
3003	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
3004	House	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
075-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
075-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06

Table 5-117. Cancer Risks by DU for the Current Resident who Consumes Burbot

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
075-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
076-G1	Garden	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
076-G2	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
076-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
076-H2	House	6E-06	3E-06	9E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
076-N1	Animal Activity Area	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
077-A1	Agriculture	1E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	2E-07	2E-06	4E-06	5E-06
077-A2	Agriculture	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
077-G1	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
077-H1	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
077-H2	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
077-N1	Animal Activity Area	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	2E-06	4E-06	5E-06
078-G1	Garden	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	9E-08	4E-08	1E-07	2E-06	4E-06	5E-06
078-H1	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
078-N1	Animal Activity Area	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
078-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
079-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
079-H2	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
080-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
081-A1	Agriculture	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
081-H1	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
081-O1	Other -Not Specified	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	2E-06	4E-06	5E-06
082-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
082-G2	Garden	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	2E-06	4E-06	5E-06
082-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
082-N1	Animal Activity Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
082-N2	Animal Activity Area	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
083-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
083-G2	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
083-H1	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
084-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
085-H1	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
085-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
085-P1	Play Area	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
086-G1	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
086-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
086-H2	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	4E-06	5E-06
087-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
087-O1	Other -Not Specified	9E-06	4E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
088-H1	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
088-H2	House	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
088-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
089-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
089-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
089-O1	Other -Not Specified	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	4E-06	5E-06

Table 5-117. Cancer Risks by DU for the Current Resident who Consumes Burbot

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
090-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
090-O2	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
091-G1	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
091-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
092-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
092-O2	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
093-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
094-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
094-P1	Play Area	7E-06	3E-06	9E-06	2E-05	2E-05	4E-05	5E-07	3E-07	8E-07	2E-06	4E-06	6E-06
095-A1	Agriculture	6E-06	3E-06	9E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
095-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
095-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
095-O2	Other -Not Specified	6E-06	2E-06	9E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
096-H1	House	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
096-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
097-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	4E-06	5E-06
097-H2	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
098-G1	Garden	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	2E-07	2E-06	4E-06	5E-06
098-H1	House	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	2E-07	2E-06	4E-06	5E-06
098-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	4E-06	5E-06
099-A1	Agriculture	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
099-G2	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
099-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
099-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
100-G1	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
100-H1	House	4E-06	1E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
100-N1	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
100-N2	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
100-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
101-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
101-H1	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
101-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
102-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
102-H1	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
103-H1	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
103-O1	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
104-H1	House	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
104-H2	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
104-N1	Animal Activity Area	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
105-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
105-P1	Play Area	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	2E-06	4E-06	5E-06
106-G1	Garden	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	4E-06	5E-06
106-G2	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
106-H1	House	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	2E-06	4E-06	5E-06
106-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06

Table 5-117. Cancer Risks by DU for the Current Resident who Consumes Burbot

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
107-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
108-H1	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
108-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
108-O2	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
109-H1[b]	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
110-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
110G	Garden	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
110-G1	Garden	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
110-G2	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
110-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
110-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
110-O2	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
111-H1	House	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
112G	Garden	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
112-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
112-H1	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
112-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	8E-07	2E-06	4E-06	6E-06
113-G1	Garden	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
113-G2	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
113-G3	Garden	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
113low	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
113-O1	Other -Not Specified	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	8E-07	2E-06	2E-06	4E-06	7E-06
113up	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
114-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
114-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
114-O1	Other -Not Specified	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	8E-07	2E-06	2E-06	4E-06	7E-06
115-O1	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
115SP	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
116M	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
116-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
117-O1	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	4E-06	5E-06
118-G1	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
118-G2	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
118-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
118-N1	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
118-N2	Animal Activity Area	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
119-P1	Play Area	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
120-A1	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
120-G1	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
120-H1	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
120-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	4E-06	5E-06
121-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
121-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
121-N1	Animal Activity Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
121-N2	Animal Activity Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06

Table 5-117. Cancer Risks by DU for the Current Resident who Consumes Burbot

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
122-G1	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
122-G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	4E-06	5E-06
122-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
122-H2	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
122-O1	Other -Not Specified	6E-06	3E-06	9E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
122-O2	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
122-P1	Play Area	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
123-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
123-G2	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
123-H1	House	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
123-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
123-O2	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
124-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
124-G2	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
124-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
124-N1	Animal Activity Area	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
124-N2	Animal Activity Area	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
124-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
125-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
126-A1	Agriculture	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
126-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
126-G2	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
126-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
126-O1	Other -Not Specified	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	4E-06	5E-06
126-O2	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
126-O3	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	4E-06	5E-06
126-P1	Play Area	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06
127-A1	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
127-G1	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
127-G2	Garden	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
127-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
127-H2	House	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
127-N1	Animal Activity Area	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
128-G1	Garden	7E-06	3E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
128-G2	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06
128-G3	Garden	7E-06	3E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
128-N1	Animal Activity Area	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
128-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
129-H1	House	7E-06	3E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
129-H2	House	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
130-G1	Garden	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	1E-07	2E-06	4E-06	5E-06
130-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
130-H2	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
131-H1	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
132-G1	Garden	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	2E-07	2E-06	4E-06	5E-06

Table 5-117. Cancer Risks by DU for the Current Resident who Consumes Burbot

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
132-G2	Garden	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	2E-06	4E-06	5E-06
132-H1	House	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	4E-06	5E-06
132-O1	Other -Not Specified	7E-06	3E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
133-G1	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
133-H1	House	2E-05	6E-06	2E-05	3E-05	3E-05	5E-05	1E-06	7E-07	2E-06	2E-06	4E-06	7E-06
134-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
135-G1	Garden	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
135-H1	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
135-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
136-A1	Agriculture	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
136-G1	Garden	2E-06	1E-06	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
136-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
136-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
137-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	4E-06	5E-06
137-O2	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
138-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	4E-06	5E-06
138-G2	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
138-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
138-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
138-O2	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
139-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
139-G2	Garden	2E-06	1E-06	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
139-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
139-N1	Animal Activity Area	1E-05	5E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
140-G1	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
140-H1[b]	House	2E-05	9E-06	3E-05	3E-05	3E-05	6E-05	2E-06	9E-07	3E-06	2E-06	5E-06	8E-06
140-O1	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
140-O2[b]	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
141-A1	Agriculture	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
141-H1	House	7E-06	3E-06	9E-06	2E-05	2E-05	4E-05	5E-07	3E-07	8E-07	2E-06	4E-06	6E-06
141-H2	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
141-H3	House	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
141-N1	Animal Activity Area	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
141-N2	Animal Activity Area	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
141-N3	Animal Activity Area	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06
141-N4	Animal Activity Area	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
141-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
142-H1	House	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
142-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	4E-06	5E-06
143-A1	Agriculture	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
143-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	4E-06	5E-06
143-G2	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
143-H1	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
144-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
144-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06

Table 5-117. Cancer Risks by DU for the Current Resident who Consumes Burbot

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
145-A1	Agriculture	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
145-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
146G	Garden	3E-05	1E-05	4E-05	4E-05	3E-05	7E-05	2E-06	1E-06	3E-06	2E-06	5E-06	8E-06
146-H1	House	2E-06	1E-06	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
147-G1	Garden	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
147-G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
147-H1	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
148-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	4E-06	5E-06
148-O1	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
148-O3	Other -Not Specified	6E-06	2E-06	9E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
149-A1	Agriculture	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
149-G1	Garden	5E-06	2E-06	8E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
149-G2	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
149-H1	House	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
149-N1	Animal Activity Area	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	4E-06	5E-06
150-G1	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
150-H1	House	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
151-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06
152-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
152-H1	House	7E-06	3E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
153-G1	Garden	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
153-H1	House	6E-06	3E-06	9E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
153-O1	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
153-O2	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	2E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
153-O3	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
153-O5	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
153-O6	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
153-O7	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	2E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
153-P1	Play Area	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
154-G1	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
154-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
155-G1	Garden	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
155-G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
155-H1	House	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
155-H2	House	6E-06	2E-06	9E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
155-O2	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
156-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
156-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
157-G1	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
157-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
157-H2	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
157-O1	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	4E-06	5E-06
158-H1	House	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
158-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
159-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06

Table 5-117. Cancer Risks by DU for the Current Resident who Consumes Burbot

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
159-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
159-H2	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
159-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
159-O2	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
160-G1	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
160-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
160-H2	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
161-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
161-N1	Animal Activity Area	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	4E-06	5E-06
162-H1	House	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
163G	Garden	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	4E-06	5E-06
163-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
163-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
164-H1	House	5E-06	2E-06	8E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
165-H1	House	8E-06	4E-06	1E-05	2E-05	2E-05	4E-05	5E-07	3E-07	8E-07	2E-06	4E-06	6E-06
165-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
166-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
167-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
167-O2	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
167-O3	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
167-O4	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
167-O5	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
167-O6	Other -Not Specified	9E-06	4E-06	1E-05	2E-05	2E-05	4E-05	7E-07	4E-07	1E-06	2E-06	4E-06	6E-06
167-O7	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	4E-06	5E-06
167-O8	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
167-O9	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
168-G1	Garden	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	4E-06	5E-06
168-G2	Garden	1E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	2E-07	2E-06	4E-06	5E-06
168-H1	House	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	4E-06	5E-06
168-N1	Animal Activity Area	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	8E-07	2E-06	4E-06	6E-06
168-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06
169A	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
169-G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
169-G3	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
169-G4	Garden	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	2E-06	4E-06	5E-06
169-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
170-G1	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
170-G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
170-H1	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
171-A1	Agriculture	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
171-G1	Garden	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
171-H1	House	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	8E-07	2E-06	4E-06	6E-06
172U	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
173-G1	Garden	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	4E-06	5E-06
173-G2	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06

Table 5-117. Cancer Risks by DU for the Current Resident who Consumes Burbot

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
173-G3	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
173-G4	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
173-G5	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
173-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
173-P1	Play Area	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
174-A1	Agriculture	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
174-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
174-H1	House	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	4E-06	5E-06
174M	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	4E-06	5E-06
175-G1	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
175-G2	Garden	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
175-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
176-A1	Agriculture	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
176G	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
176-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
176-H2	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
176M	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
176-P1	Play Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
178-H1	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
179-H1	House	1E-05	4E-06	1E-05	2E-05	2E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
180-H1	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
180-H2[b]	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
180-O1	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
181-A1	Agriculture	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
181-G1	Garden	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
181-G2	Garden	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
181-H1	House	1E-05	4E-06	1E-05	2E-05	2E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
181-H2	House	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	6E-06
181-N1	Animal Activity Area	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
181-N2	Animal Activity Area	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
181-O1	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
182-G1	Garden	1E-05	4E-06	1E-05	2E-05	2E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
182-G2	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
182-H1	House	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
182-H2	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
182-O1	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	4E-07	1E-06	2E-06	4E-06	6E-06
182-O2	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
182-O3	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
184-H1	House	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
185-A1	Agriculture	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
185G	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
185-H1	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
186-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
187-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
188-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06

Table 5-117. Cancer Risks by DU for the Current Resident who Consumes Burbot

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
188-G1	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
188-G2	Garden	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
188-G3	Garden	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	4E-06	5E-06
188-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
188-P1	Play Area	2E-06	1E-06	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
189-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
189-H1	House	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
189-H2	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
189-O1	Other -Not Specified	1E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
190-G1	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
190-H1	House	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
190-N1	Animal Activity Area	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
190-N2	Animal Activity Area	1E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
190-N3	Animal Activity Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
190-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
191-H1	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
192-A1	Agriculture	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
192-G1	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
192-H1	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
193-G1	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
193-H1	House	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	1E-07	2E-06	4E-06	5E-06
194-H1	House	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	4E-06	5E-06
194-N1	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
195-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06
195-G2	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
195-O1	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	4E-06	5E-06
196-A1	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
196-A2	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
196-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
196-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
197-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
198-G1	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
198-H1	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
199-G1	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
199-O1	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
200-G1	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
200-H1	House	7E-06	3E-06	9E-06	2E-05	2E-05	4E-05	5E-07	3E-07	8E-07	2E-06	4E-06	6E-06
200-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
201G[b]	Garden	1E-05	4E-06	1E-05	2E-05	2E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
201-O1	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
202-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
202-N1	Animal Activity Area	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
202-O1	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
203-H1[b]	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06

Table 5-117. Cancer Risks by DU for the Current Resident who Consumes Burbot

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
203-O1[b]	Other -Not Specified	2E-05	8E-06	3E-05	3E-05	3E-05	6E-05	2E-06	8E-07	3E-06	2E-06	4E-06	8E-06
203-O2	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
203-O3[b]	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	4E-06	5E-06
203-O4[b]	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
205-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
206-A1	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
206-G1	Garden	1E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	4E-06	5E-06
206-H1	House	5E-06	2E-06	8E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
206-H2	House	9E-06	4E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
206-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	2E-07	1E-07	4E-07	2E-06	4E-06	5E-06
207-O1	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
208AA	Animal Activity Area	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
208BM	House	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
208G	Garden	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	4E-07	1E-06	2E-06	4E-06	6E-06
208-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
209A	Agriculture	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
209-G1	Garden	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
209-H1	House	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
209-P1	Play Area	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
210-H1	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
210-O1	Other -Not Specified	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
211-A1	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
211-G1	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
211-G2	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
211-H1	House	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
211-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
212-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
212-H2	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
213-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
213-O2	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
213-O3	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	2E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
21G	Garden	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
230G	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
231Lower	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
238G	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
238M	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	4E-06	5E-06
280yard	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
284M	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
285M	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
288G1	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
288G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	4E-06	5E-06
289G3	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
317M	Play Area	2E-05	8E-06	3E-05	3E-05	3E-05	6E-05	2E-06	9E-07	3E-06	2E-06	4E-06	8E-06
319M[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
320new	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06

Table 5-117. Cancer Risks by DU for the Current Resident who Consumes Burbot

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
35PA[b]	Play Area	3E-06	1E-06	4E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
59A	House	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
62G	Garden	5E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
72M	Agriculture	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
72U	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
94M	Agriculture	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
999G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
999M1	House	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
999M2	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
999M3	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Cancer benchmark is HI≥1e-04.

Table 5-118. Cancer Risks by DU for the Current Resident who Consumes Kokanee

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation		2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation		2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Kokanee)		7E-06	9E-06	2E-05				7E-07	1E-06	2E-06			
Residential Soil/Dust[a]		Number of DUs that exceed benchmark[c]:						Number of DUs that exceed benchmark[c]:					
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
9	Agriculture	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	2E-06	4E-06	5E-06
13	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
14	Garden	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	2E-06	4E-06	5E-06
15	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
16	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
17	Other -Not Specified	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	2E-06	4E-06	5E-06
18[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
20[b]	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
21	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
22	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
25	House	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
27	Other -Not Specified	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	2E-06	4E-06	5E-06
28	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
29	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	2E-06	3E-06	5E-06
30	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	4E-06	5E-06
31	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
33	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
35[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
39[b]	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
40[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
42	House	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
44	Agriculture	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
46	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
47	Agriculture	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
49[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
55	House	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
56	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
58	Agriculture	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
59	House	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
60	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
61	House	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
62	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
66	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
67	Garden	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
70	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
71	Garden	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
72	Garden	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
75	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
82	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06

Table 5-118. Cancer Risks by DU for the Current Resident who Consumes Kokanee

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
85	House	3E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
86	Agriculture	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
87	Agriculture	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
106	House	2E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
107	Garden	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
108	Garden	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
109[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
110	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
111	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
112	House	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	9E-07	3E-06	2E-06	4E-06	7E-06
121	House	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	2E-06	4E-06	5E-06
122	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
123	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
135	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
146	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
147	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	2E-06	3E-06	5E-06
151[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
152	Other -Not Specified	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	4E-06	5E-06
154	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
160	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
163	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
164	Agriculture	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
167	Agriculture	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
168	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
169	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
170[b]	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
175	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
177	Agriculture	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
185	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
186	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
189	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
192	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
193	House	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
194[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
196[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
201	House	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	2E-06	4E-06	5E-06
203[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
206	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
208	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
213	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
216	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
218[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
226C	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	3E-06	5E-06
229	Play Area	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06

Table 5-118. Cancer Risks by DU for the Current Resident who Consumes Kokanee

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
231	House	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	3E-06	5E-06
246	Play Area	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
249	Other -Not Specified	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
250	House	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
253	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
280	Other -Not Specified	5E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
287	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
288	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
291	Agriculture	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
306	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
315	House	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
316	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	4E-06	6E-06
317	House	2E-05	6E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
318	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
319	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
325	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
326	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
327	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
345	Play Area	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
346	Garden	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
347	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
801	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	4E-06	6E-06
1001	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	3E-06	5E-06
1005	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
1006	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
1007	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	2E-06	3E-06	5E-06
1008	Agriculture	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
1010	Agriculture	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	3E-07	8E-07	2E-06	4E-06	5E-06
1011	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
1015	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
1017	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	3E-06	5E-06
1018	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	2E-06	3E-06	5E-06
1020	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
1021[b]	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
1030[b]	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
1035	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
1036	Play Area	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	2E-06	4E-06	5E-06
1037	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
1060	House	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	3E-06	5E-06
3000	House	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
3001	Garden	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
3003	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
3004	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
075-A1	Agriculture	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
075-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06

Table 5-118. Cancer Risks by DU for the Current Resident who Consumes Kokanee

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
075-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
076-G1	Garden	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
076-G2	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
076-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
076-H2	House	6E-06	3E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	4E-06	5E-06
076-N1	Animal Activity Area	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
077-A1	Agriculture	1E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	2E-07	2E-06	3E-06	5E-06
077-A2	Agriculture	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
077-G1	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
077-H1	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
077-H2	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
077-N1	Animal Activity Area	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	2E-06	3E-06	5E-06
078-G1	Garden	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	9E-08	4E-08	1E-07	2E-06	3E-06	5E-06
078-H1	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
078-N1	Animal Activity Area	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
078-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
079-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
079-H2	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
080-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
081-A1	Agriculture	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
081-H1	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
081-O1	Other -Not Specified	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	2E-06	3E-06	5E-06
082-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
082-G2	Garden	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	2E-06	3E-06	5E-06
082-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
082-N1	Animal Activity Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
082-N2	Animal Activity Area	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
083-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
083-G2	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
083-H1	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
084-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
085-H1	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
085-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
085-P1	Play Area	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
086-G1	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
086-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
086-H2	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	3E-06	5E-06
087-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
087-O1	Other -Not Specified	9E-06	4E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
088-H1	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
088-H2	House	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
088-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
089-A1	Agriculture	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
089-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
089-O1	Other -Not Specified	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	3E-06	5E-06

Table 5-118. Cancer Risks by DU for the Current Resident who Consumes Kokanee

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
090-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
090-O2	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
091-G1	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
091-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
092-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
092-O2	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
093-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
094-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
094-P1	Play Area	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	5E-07	3E-07	8E-07	2E-06	4E-06	5E-06
095-A1	Agriculture	6E-06	3E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	4E-06	5E-06
095-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	4E-06	5E-06
095-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
095-O2	Other -Not Specified	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
096-H1	House	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
096-O1	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
097-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	3E-06	5E-06
097-H2	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
098-G1	Garden	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	2E-07	2E-06	3E-06	5E-06
098-H1	House	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	2E-07	2E-06	3E-06	5E-06
098-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	3E-06	5E-06
099-A1	Agriculture	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
099-G2	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
099-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
099-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
100-G1	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	2E-06	3E-06	5E-06
100-H1	House	4E-06	1E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
100-N1	Animal Activity Area	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
100-N2	Animal Activity Area	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
100-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
101-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
101-H1	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
101-O1	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
102-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
102-H1	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
103-H1	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
103-O1	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
104-H1	House	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
104-H2	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
104-N1	Animal Activity Area	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
105-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
105-P1	Play Area	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	2E-06	3E-06	5E-06
106-G1	Garden	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	3E-06	5E-06
106-G2	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
106-H1	House	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	2E-06	3E-06	5E-06
106-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06

Table 5-118. Cancer Risks by DU for the Current Resident who Consumes Kokanee

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
107-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
108-H1	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
108-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
108-O2	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
109-H1[b]	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
110-A1	Agriculture	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
110G	Garden	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	2E-06	3E-06	5E-06
110-G1	Garden	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
110-G2	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
110-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
110-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
110-O2	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
111-H1	House	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
112G	Garden	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
112-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	4E-06	5E-06
112-H1	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
112-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	8E-07	2E-06	4E-06	5E-06
113-G1	Garden	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
113-G2	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
113-G3	Garden	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
113low	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
113-O1	Other -Not Specified	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	2E-06	2E-06	4E-06	7E-06
113up	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
114-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
114-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
114-O1	Other -Not Specified	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	2E-06	2E-06	4E-06	7E-06
115-O1	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
115SP	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
116M	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
116-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
117-O1	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	3E-06	5E-06
118-G1	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
118-G2	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
118-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
118-N1	Animal Activity Area	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
118-N2	Animal Activity Area	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
119-P1	Play Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
120-A1	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
120-G1	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
120-H1	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
120-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	3E-06	5E-06
121-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
121-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
121-N1	Animal Activity Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
121-N2	Animal Activity Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06

Table 5-118. Cancer Risks by DU for the Current Resident who Consumes Kokanee

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
122-G1	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
122-G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	3E-06	5E-06
122-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
122-H2	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
122-O1	Other -Not Specified	6E-06	3E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	3E-06	5E-06
122-O2	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
122-P1	Play Area	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
123-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
123-G2	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
123-H1	House	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
123-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
123-O2	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
124-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
124-G2	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
124-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
124-N1	Animal Activity Area	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
124-N2	Animal Activity Area	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
124-O1	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
125-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
126-A1	Agriculture	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
126-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
126-G2	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
126-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
126-O1	Other -Not Specified	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	3E-06	5E-06
126-O2	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
126-O3	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	3E-06	5E-06
126-P1	Play Area	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	2E-06	3E-06	5E-06
127-A1	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
127-G1	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
127-G2	Garden	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	2E-06	3E-06	5E-06
127-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
127-H2	House	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
127-N1	Animal Activity Area	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
128-G1	Garden	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
128-G2	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	2E-06	3E-06	5E-06
128-G3	Garden	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
128-N1	Animal Activity Area	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
128-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
129-H1	House	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
129-H2	House	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
130-G1	Garden	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	1E-07	2E-06	3E-06	5E-06
130-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
130-H2	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
131-H1	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
132-G1	Garden	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	2E-07	2E-06	3E-06	5E-06

Table 5-118. Cancer Risks by DU for the Current Resident who Consumes Kokanee

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
132-G2	Garden	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	2E-06	3E-06	5E-06
132-H1	House	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	3E-06	5E-06
132-O1	Other -Not Specified	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
133-G1	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
133-H1	House	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	7E-07	2E-06	2E-06	4E-06	7E-06
134-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
135-G1	Garden	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
135-H1	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
135-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
136-A1	Agriculture	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
136-G1	Garden	2E-06	1E-06	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
136-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
136-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
137-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	3E-06	5E-06
137-O2	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
138-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	3E-06	5E-06
138-G2	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
138-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
138-O1	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
138-O2	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
139-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
139-G2	Garden	2E-06	1E-06	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
139-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
139-N1	Animal Activity Area	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
140-G1	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
140-H1[b]	House	2E-05	9E-06	3E-05	3E-05	2E-05	6E-05	2E-06	9E-07	3E-06	2E-06	4E-06	7E-06
140-O1	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
140-O2[b]	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
141-A1	Agriculture	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
141-H1	House	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	5E-07	3E-07	8E-07	2E-06	4E-06	5E-06
141-H2	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
141-H3	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
141-N1	Animal Activity Area	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
141-N2	Animal Activity Area	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
141-N3	Animal Activity Area	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	2E-06	3E-06	5E-06
141-N4	Animal Activity Area	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
141-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
142-H1	House	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	2E-06	3E-06	5E-06
142-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	3E-06	5E-06
143-A1	Agriculture	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
143-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	3E-06	5E-06
143-G2	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
143-H1	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
144-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
144-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06

Table 5-118. Cancer Risks by DU for the Current Resident who Consumes Kokanee

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
145-A1	Agriculture	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
145-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
146G	Garden	3E-05	1E-05	4E-05	3E-05	3E-05	6E-05	2E-06	1E-06	3E-06	2E-06	4E-06	8E-06
146-H1	House	2E-06	1E-06	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
147-G1	Garden	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	2E-06	3E-06	5E-06
147-G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
147-H1	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
148-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	3E-06	5E-06
148-O1	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
148-O3	Other -Not Specified	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
149-A1	Agriculture	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
149-G1	Garden	5E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
149-G2	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
149-H1	House	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	2E-06	3E-06	5E-06
149-N1	Animal Activity Area	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	3E-06	5E-06
150-G1	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
150-H1	House	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
151-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	2E-06	3E-06	5E-06
152-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
152-H1	House	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
153-G1	Garden	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	4E-06	6E-06
153-H1	House	6E-06	3E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
153-O1	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	4E-06	5E-06
153-O2	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
153-O3	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	4E-06	6E-06
153-O5	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
153-O6	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
153-O7	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
153-P1	Play Area	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
154-G1	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
154-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
155-G1	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
155-G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
155-H1	House	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
155-H2	House	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
155-O2	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
156-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
156-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
157-G1	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
157-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
157-H2	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
157-O1	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	3E-06	5E-06
158-H1	House	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
158-O1	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
159-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06

Table 5-118. Cancer Risks by DU for the Current Resident who Consumes Kokanee

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
159-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
159-H2	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
159-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
159-O2	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
160-G1	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
160-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
160-H2	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
161-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
161-N1	Animal Activity Area	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	3E-06	5E-06
162-H1	House	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
163G	Garden	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	3E-06	5E-06
163-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
163-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
164-H1	House	5E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
165-H1	House	8E-06	4E-06	1E-05	2E-05	2E-05	4E-05	5E-07	3E-07	8E-07	2E-06	4E-06	5E-06
165-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
166-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
167-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
167-O2	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
167-O3	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
167-O4	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
167-O5	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
167-O6	Other -Not Specified	9E-06	4E-06	1E-05	2E-05	2E-05	4E-05	7E-07	4E-07	1E-06	2E-06	4E-06	6E-06
167-O7	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	3E-06	5E-06
167-O8	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
167-O9	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
168-G1	Garden	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	3E-06	5E-06
168-G2	Garden	1E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	2E-07	2E-06	3E-06	5E-06
168-H1	House	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	3E-06	5E-06
168-N1	Animal Activity Area	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	8E-07	2E-06	4E-06	5E-06
168-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	2E-06	3E-06	5E-06
169A	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
169-G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
169-G3	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
169-G4	Garden	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	2E-06	3E-06	5E-06
169-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
170-G1	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
170-G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
170-H1	House	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
171-A1	Agriculture	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
171-G1	Garden	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
171-H1	House	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	8E-07	2E-06	4E-06	5E-06
172U	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
173-G1	Garden	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	3E-06	5E-06
173-G2	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	2E-06	3E-06	5E-06

Table 5-118. Cancer Risks by DU for the Current Resident who Consumes Kokanee

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
173-G3	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
173-G4	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
173-G5	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
173-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
173-P1	Play Area	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
174-A1	Agriculture	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
174-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
174-H1	House	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	3E-06	5E-06
174M	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	3E-06	5E-06
175-G1	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
175-G2	Garden	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
175-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
176-A1	Agriculture	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
176G	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
176-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
176-H2	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
176M	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
176-P1	Play Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
178-H1	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
179-H1	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
180-H1	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
180-H2[b]	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
180-O1	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
181-A1	Agriculture	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	4E-06	5E-06
181-G1	Garden	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
181-G2	Garden	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
181-H1	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
181-H2	House	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	4E-06	6E-06
181-N1	Animal Activity Area	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
181-N2	Animal Activity Area	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
181-O1	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
182-G1	Garden	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
182-G2	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
182-H1	House	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
182-H2	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
182-O1	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	4E-07	1E-06	2E-06	4E-06	6E-06
182-O2	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
182-O3	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
184-H1	House	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	2E-06	3E-06	5E-06
185-A1	Agriculture	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
185G	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
185-H1	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
186-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
187-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
188-A1	Agriculture	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06

Table 5-118. Cancer Risks by DU for the Current Resident who Consumes Kokanee

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
188-G1	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
188-G2	Garden	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	2E-06	3E-06	5E-06
188-G3	Garden	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	2E-06	3E-06	5E-06
188-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
188-P1	Play Area	2E-06	1E-06	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
189-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
189-H1	House	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
189-H2	House	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
189-O1	Other -Not Specified	1E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
190-G1	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
190-H1	House	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
190-N1	Animal Activity Area	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
190-N2	Animal Activity Area	1E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
190-N3	Animal Activity Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
190-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
191-H1	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
192-A1	Agriculture	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
192-G1	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
192-H1	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
193-G1	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
193-H1	House	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	1E-07	2E-06	3E-06	5E-06
194-H1	House	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	2E-06	3E-06	5E-06
194-N1	Animal Activity Area	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
195-G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	2E-06	3E-06	5E-06
195-G2	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
195-O1	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	2E-06	3E-06	5E-06
196-A1	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
196-A2	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
196-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
196-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
197-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
198-G1	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
198-H1	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
199-G1	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
199-O1	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
200-G1	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
200-H1	House	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	5E-07	3E-07	8E-07	2E-06	4E-06	5E-06
200-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
201G[b]	Garden	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
201-O1	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
202-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
202-N1	Animal Activity Area	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
202-O1	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
203-H1[b]	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06

Table 5-118. Cancer Risks by DU for the Current Resident who Consumes Kokanee

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
203-O1[b]	Other -Not Specified	2E-05	8E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	3E-06	2E-06	4E-06	7E-06
203-O2	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
203-O3[b]	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	2E-06	3E-06	5E-06
203-O4[b]	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
205-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
206-A1	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
206-G1	Garden	1E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	2E-06	3E-06	5E-06
206-H1	House	5E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
206-H2	House	9E-06	4E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
206-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	3E-06	5E-06
207-O1	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	4E-06	5E-06
208AA	Animal Activity Area	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
208BM	House	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
208G	Garden	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	4E-07	1E-06	2E-06	4E-06	6E-06
208-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	4E-06	5E-06
209A	Agriculture	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
209-G1	Garden	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
209-H1	House	2E-05	6E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
209-P1	Play Area	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
210-H1	House	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
210-O1	Other -Not Specified	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	2E-06	3E-06	5E-06
211-A1	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
211-G1	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
211-G2	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
211-H1	House	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
211-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
212-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
212-H2	House	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
213-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
213-O2	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
213-O3	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
21G	Garden	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
230G	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
231Lower	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
238G	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
238M	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	2E-06	3E-06	5E-06
280yard	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
284M	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
285M	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	4E-06	5E-06
288G1	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
288G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	2E-06	3E-06	5E-06
289G3	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
317M	Play Area	2E-05	8E-06	3E-05	3E-05	2E-05	5E-05	2E-06	9E-07	3E-06	2E-06	4E-06	7E-06
319M[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
320new	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06

Table 5-118. Cancer Risks by DU for the Current Resident who Consumes Kokanee

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
35PA[b]	Play Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
59A	House	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
62G	Garden	5E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
72M	Agriculture	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
72U	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
94M	Agriculture	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
999G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	3E-06	5E-06
999M1	House	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
999M2	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
999M3	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Cancer benchmark is HI≥1e-04.

Table 5-119. Cancer Risks by DU for the Current Resident who Consumes Northern Pike

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation		2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation		2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Northern Pike)		ND	ND	ND				ND	ND	ND			
Residential Soil/Dust[a]		Number of DUs that exceed benchmark[c]:						Number of DUs that exceed benchmark[c]:					
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
9	Agriculture	7E-06	2E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	8E-07	9E-07	3E-06	4E-06
13	Other -Not Specified	7E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
14	Garden	7E-06	2E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	8E-07	9E-07	3E-06	4E-06
15	House	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
16	Other -Not Specified	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	2E-06	9E-07	3E-06	4E-06
17	Other -Not Specified	7E-06	2E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	8E-07	9E-07	3E-06	4E-06
18[b]	House	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
20[b]	Garden	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
21	House	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
22	House	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	9E-07	3E-06	4E-06
25	House	5E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
27	Other -Not Specified	7E-06	2E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	8E-07	9E-07	3E-06	4E-06
28	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
29	Other -Not Specified	4E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	5E-07	9E-07	2E-06	3E-06
30	Other -Not Specified	6E-06	2E-06	8E-06	9E-06	1E-05	2E-05	5E-07	2E-07	8E-07	9E-07	2E-06	4E-06
31	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
33	House	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
35[b]	House	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
39[b]	Agriculture	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
40[b]	House	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
42	House	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
44	Agriculture	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
46	Other -Not Specified	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	3E-06
47	Agriculture	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
49[b]	House	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
55	House	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
56	Other -Not Specified	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	3E-06
58	Agriculture	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
59	House	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
60	Garden	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
61	House	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
62	House	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	3E-06
66	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
67	Garden	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
70	House	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
71	Garden	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	9E-07	3E-06	4E-06
72	Garden	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	9E-07	3E-06	4E-06
75	House	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	9E-07	3E-06	4E-06
82	House	5E-06	2E-06	7E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06

Table 5-119. Cancer Risks by DU for the Current Resident who Consumes Northern Pike

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
85	House	3E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
86	Agriculture	5E-06	2E-06	7E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
87	Agriculture	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
106	House	2E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	9E-07	3E-06	5E-06
107	Garden	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	9E-07	3E-06	4E-06
108	Garden	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	9E-07	3E-06	5E-06
109[b]	House	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
110	House	5E-06	2E-06	7E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
111	Other -Not Specified	4E-06	2E-06	6E-06	6E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
112	House	2E-05	7E-06	3E-05	2E-05	2E-05	4E-05	2E-06	9E-07	3E-06	9E-07	3E-06	5E-06
121	House	7E-06	3E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	8E-07	9E-07	2E-06	4E-06
122	Other -Not Specified	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	9E-07	3E-06	4E-06
123	House	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	9E-07	3E-06	4E-06
135	Other -Not Specified	5E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
146	House	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
147	Garden	4E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	5E-07	9E-07	2E-06	3E-06
151[b]	House	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
152	Other -Not Specified	6E-06	2E-06	9E-06	9E-06	1E-05	2E-05	5E-07	2E-07	8E-07	9E-07	2E-06	4E-06
154	House	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
160	House	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
163	House	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
164	Agriculture	7E-06	3E-06	1E-05	9E-06	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
167	Agriculture	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
168	House	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	9E-07	3E-06	4E-06
169	Other -Not Specified	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	9E-07	3E-06	4E-06
170[b]	House	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
175	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
177	Agriculture	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	9E-07	3E-06	4E-06
185	House	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	9E-07	3E-06	4E-06
186	House	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
189	House	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	9E-07	3E-06	4E-06
192	House	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
193	House	7E-06	3E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
194[b]	House	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
196[b]	House	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
201	House	7E-06	2E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	8E-07	9E-07	3E-06	4E-06
203[b]	House	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
206	House	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
208	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
213	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	5E-07	2E-06	9E-07	3E-06	4E-06
216	House	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	9E-07	3E-06	4E-06
218[b]	House	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
226C	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	4E-07	9E-07	2E-06	3E-06
229	Play Area	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06

Table 5-119. Cancer Risks by DU for the Current Resident who Consumes Northern Pike

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
231	House	2E-06	7E-07	3E-06	4E-06	8E-06	1E-05	2E-07	8E-08	2E-07	9E-07	2E-06	3E-06
246	Play Area	5E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
249	Other -Not Specified	7E-06	2E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
250	House	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
253	House	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	9E-07	3E-06	4E-06
280	Other -Not Specified	5E-06	2E-06	8E-06	8E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
287	Agriculture	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
288	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
291	Agriculture	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
306	Other -Not Specified	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
315	House	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
316	Other -Not Specified	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	1E-06	9E-07	3E-06	4E-06
317	House	2E-05	6E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	9E-07	3E-06	5E-06
318	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	9E-07	3E-06	5E-06
319	Other -Not Specified	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
325	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
326	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
327	Other -Not Specified	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
345	Play Area	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
346	Garden	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
347	Other -Not Specified	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	9E-07	3E-06	4E-06
801	Other -Not Specified	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	1E-06	9E-07	3E-06	4E-06
1001	Other -Not Specified	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	8E-07	9E-07	2E-06	4E-06
1005	Garden	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
1006	House	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
1007	Garden	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	5E-07	9E-07	2E-06	3E-06
1008	Agriculture	5E-06	2E-06	7E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
1010	Agriculture	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	3E-07	8E-07	9E-07	2E-06	4E-06
1011	Agriculture	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
1015	Garden	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
1017	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	4E-07	9E-07	2E-06	3E-06
1018	Garden	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	4E-07	2E-07	7E-07	9E-07	2E-06	3E-06
1020	Garden	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
1021[b]	House	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
1030[b]	Other -Not Specified	7E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
1035	Garden	4E-06	2E-06	6E-06	6E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
1036	Play Area	7E-06	2E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	8E-07	9E-07	3E-06	4E-06
1037	Garden	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
1060	House	2E-06	7E-07	3E-06	4E-06	8E-06	1E-05	2E-07	8E-08	3E-07	9E-07	2E-06	3E-06
3000	House	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	5E-07	2E-06	9E-07	3E-06	4E-06
3001	Garden	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	9E-07	3E-06	5E-06
3003	Other -Not Specified	5E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
3004	House	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
075-A1	Agriculture	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
075-H1	House	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06

Table 5-119. Cancer Risks by DU for the Current Resident who Consumes Northern Pike

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
075-O1	Other -Not Specified	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
076-G1	Garden	7E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
076-G2	Garden	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
076-H1	House	6E-06	2E-06	9E-06	9E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
076-H2	House	6E-06	3E-06	9E-06	9E-06	1E-05	2E-05	5E-07	2E-07	8E-07	9E-07	2E-06	4E-06
076-N1	Animal Activity Area	2E-06	7E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
077-A1	Agriculture	1E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	5E-08	2E-07	9E-07	2E-06	3E-06
077-A2	Agriculture	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
077-G1	Garden	2E-06	7E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
077-H1	House	2E-06	7E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
077-H2	House	2E-06	7E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
077-N1	Animal Activity Area	2E-06	7E-07	3E-06	4E-06	8E-06	1E-05	2E-07	7E-08	2E-07	9E-07	2E-06	3E-06
078-G1	Garden	1E-06	5E-07	2E-06	3E-06	8E-06	1E-05	9E-08	4E-08	1E-07	9E-07	2E-06	3E-06
078-H1	House	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
078-N1	Animal Activity Area	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
078-O1	Other -Not Specified	4E-06	2E-06	6E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
079-H1	House	6E-06	2E-06	9E-06	9E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
079-H2	House	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
080-H1	House	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
081-A1	Agriculture	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
081-H1	House	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
081-O1	Other -Not Specified	2E-06	8E-07	3E-06	4E-06	8E-06	1E-05	2E-07	7E-08	2E-07	9E-07	2E-06	3E-06
082-G1	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
082-G2	Garden	2E-06	8E-07	3E-06	4E-06	8E-06	1E-05	2E-07	7E-08	2E-07	9E-07	2E-06	3E-06
082-H1	House	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
082-N1	Animal Activity Area	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
082-N2	Animal Activity Area	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
083-G1	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
083-G2	Garden	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
083-H1	House	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
084-H1	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
085-H1	House	4E-06	2E-06	6E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
085-O1	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
085-P1	Play Area	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
086-G1	Garden	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
086-H1	House	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
086-H2	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	4E-07	9E-07	2E-06	3E-06
087-H1	House	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
087-O1	Other -Not Specified	9E-06	4E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
088-H1	House	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	3E-06
088-H2	House	7E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
088-O1	Other -Not Specified	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
089-A1	Agriculture	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
089-H1	House	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
089-O1	Other -Not Specified	2E-06	8E-07	3E-06	4E-06	8E-06	1E-05	2E-07	8E-08	2E-07	9E-07	2E-06	3E-06

Table 5-119. Cancer Risks by DU for the Current Resident who Consumes Northern Pike

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
090-H1	House	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
090-O2	Other -Not Specified	5E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
091-G1	Garden	4E-06	2E-06	6E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
091-H1	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
092-O1	Other -Not Specified	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
092-O2	Other -Not Specified	5E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
093-H1	House	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
094-H1	House	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
094-P1	Play Area	7E-06	3E-06	9E-06	9E-06	1E-05	2E-05	5E-07	3E-07	8E-07	9E-07	2E-06	4E-06
095-A1	Agriculture	6E-06	3E-06	9E-06	9E-06	1E-05	2E-05	5E-07	2E-07	8E-07	9E-07	2E-06	4E-06
095-H1	House	6E-06	2E-06	9E-06	9E-06	1E-05	2E-05	5E-07	2E-07	8E-07	9E-07	2E-06	4E-06
095-O1	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
095-O2	Other -Not Specified	6E-06	2E-06	9E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
096-H1	House	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	9E-07	4E-07	1E-06	9E-07	3E-06	4E-06
096-O1	Other -Not Specified	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
097-H1	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	4E-07	9E-07	2E-06	3E-06
097-H2	House	2E-06	7E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
098-G1	Garden	1E-06	5E-07	2E-06	4E-06	8E-06	1E-05	1E-07	5E-08	2E-07	9E-07	2E-06	3E-06
098-H1	House	1E-06	5E-07	2E-06	4E-06	8E-06	1E-05	1E-07	5E-08	2E-07	9E-07	2E-06	3E-06
098-O1	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	4E-07	9E-07	2E-06	3E-06
099-A1	Agriculture	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
099-G2	Garden	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
099-H1	House	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
099-O1	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
100-G1	Garden	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	5E-07	9E-07	2E-06	3E-06
100-H1	House	4E-06	1E-06	6E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
100-N1	Animal Activity Area	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
100-N2	Animal Activity Area	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
100-O1	Other -Not Specified	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
101-G1	Garden	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
101-H1	House	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
101-O1	Other -Not Specified	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
102-G1	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
102-H1	House	4E-06	2E-06	6E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
103-H1	House	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
103-O1	Other -Not Specified	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	9E-07	3E-06	4E-06
104-H1	House	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
104-H2	House	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
104-N1	Animal Activity Area	5E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
105-H1	House	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
105-P1	Play Area	2E-06	8E-07	3E-06	4E-06	8E-06	1E-05	2E-07	7E-08	2E-07	9E-07	2E-06	3E-06
106-G1	Garden	2E-06	8E-07	3E-06	4E-06	8E-06	1E-05	2E-07	8E-08	2E-07	9E-07	2E-06	3E-06
106-G2	Garden	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
106-H1	House	2E-06	8E-07	3E-06	4E-06	8E-06	1E-05	2E-07	7E-08	2E-07	9E-07	2E-06	3E-06
106-O1	Other -Not Specified	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06

Table 5-119. Cancer Risks by DU for the Current Resident who Consumes Northern Pike

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
107-H1	House	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
108-H1	House	4E-06	2E-06	6E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
108-O1	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
108-O2	Other -Not Specified	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
109-H1[b]	House	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
110-A1	Agriculture	4E-06	2E-06	6E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
110G	Garden	4E-06	2E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	5E-07	9E-07	2E-06	3E-06
110-G1	Garden	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
110-G2	Garden	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
110-H1	House	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
110-O1	Other -Not Specified	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
110-O2	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
111-H1	House	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	9E-07	3E-06	5E-06
112G	Garden	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
112-G1	Garden	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	8E-07	9E-07	2E-06	4E-06
112-H1	House	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	9E-07	3E-06	4E-06
112-O1	Other -Not Specified	7E-06	3E-06	1E-05	9E-06	1E-05	2E-05	6E-07	3E-07	8E-07	9E-07	3E-06	4E-06
113-G1	Garden	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
113-G2	Garden	4E-06	2E-06	6E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
113-G3	Garden	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	2E-06	9E-07	3E-06	4E-06
113low	Other -Not Specified	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
113-O1	Other -Not Specified	2E-05	7E-06	3E-05	2E-05	1E-05	4E-05	2E-06	8E-07	2E-06	9E-07	3E-06	5E-06
113up	Other -Not Specified	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
114-G1	Garden	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
114-H1	House	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
114-O1	Other -Not Specified	2E-05	7E-06	3E-05	2E-05	1E-05	4E-05	2E-06	8E-07	2E-06	9E-07	3E-06	5E-06
115-O1	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	5E-07	2E-06	9E-07	3E-06	4E-06
115SP	Other -Not Specified	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	9E-07	3E-06	4E-06
116M	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
116-O1	Other -Not Specified	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
117-O1	Other -Not Specified	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	8E-08	3E-07	9E-07	2E-06	3E-06
118-G1	Garden	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
118-G2	Garden	2E-06	7E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
118-H1	House	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
118-N1	Animal Activity Area	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
118-N2	Animal Activity Area	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	5E-07	2E-06	9E-07	3E-06	4E-06
119-P1	Play Area	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
120-A1	Agriculture	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
120-G1	Garden	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
120-H1	House	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
120-O1	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	4E-07	9E-07	2E-06	3E-06
121-G1	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
121-H1	House	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
121-N1	Animal Activity Area	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
121-N2	Animal Activity Area	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06

Table 5-119. Cancer Risks by DU for the Current Resident who Consumes Northern Pike

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
122-G1	Garden	4E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
122-G2	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	4E-07	9E-07	2E-06	3E-06
122-H1	House	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
122-H2	House	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
122-O1	Other -Not Specified	6E-06	3E-06	9E-06	9E-06	1E-05	2E-05	5E-07	2E-07	8E-07	9E-07	2E-06	4E-06
122-O2	Other -Not Specified	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	3E-06
122-P1	Play Area	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
123-G1	Garden	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	3E-06
123-G2	Garden	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
123-H1	House	5E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
123-O1	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
123-O2	Other -Not Specified	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
124-G1	Garden	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
124-G2	Garden	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
124-H1	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
124-N1	Animal Activity Area	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
124-N2	Animal Activity Area	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
124-O1	Other -Not Specified	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
125-O1	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
126-A1	Agriculture	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
126-G1	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
126-G2	Garden	2E-06	7E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
126-H1	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
126-O1	Other -Not Specified	2E-06	8E-07	3E-06	4E-06	8E-06	1E-05	2E-07	8E-08	2E-07	9E-07	2E-06	3E-06
126-O2	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
126-O3	Other -Not Specified	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	8E-08	3E-07	9E-07	2E-06	3E-06
126-P1	Play Area	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	4E-07	2E-07	7E-07	9E-07	2E-06	3E-06
127-A1	Agriculture	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
127-G1	Garden	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
127-G2	Garden	4E-06	2E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	5E-07	9E-07	2E-06	3E-06
127-H1	House	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
127-H2	House	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
127-N1	Animal Activity Area	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
128-G1	Garden	7E-06	3E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
128-G2	Garden	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	4E-07	2E-07	7E-07	9E-07	2E-06	3E-06
128-G3	Garden	7E-06	3E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
128-N1	Animal Activity Area	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
128-O1	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
129-H1	House	7E-06	3E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
129-H2	House	2E-06	7E-07	3E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
130-G1	Garden	1E-06	5E-07	2E-06	4E-06	8E-06	1E-05	1E-07	5E-08	1E-07	9E-07	2E-06	3E-06
130-H1	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
130-H2	House	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
131-H1	House	2E-06	7E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
132-G1	Garden	1E-06	5E-07	2E-06	4E-06	8E-06	1E-05	1E-07	5E-08	2E-07	9E-07	2E-06	3E-06

Table 5-119. Cancer Risks by DU for the Current Resident who Consumes Northern Pike

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
132-G2	Garden	2E-06	7E-07	3E-06	4E-06	8E-06	1E-05	2E-07	7E-08	2E-07	9E-07	2E-06	3E-06
132-H1	House	2E-06	8E-07	3E-06	4E-06	8E-06	1E-05	2E-07	8E-08	2E-07	9E-07	2E-06	3E-06
132-O1	Other -Not Specified	7E-06	3E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
133-G1	Garden	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
133-H1	House	2E-05	6E-06	2E-05	2E-05	1E-05	3E-05	1E-06	7E-07	2E-06	9E-07	3E-06	5E-06
134-O1	Other -Not Specified	7E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
135-G1	Garden	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
135-H1	House	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
135-O1	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
136-A1	Agriculture	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
136-G1	Garden	2E-06	1E-06	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
136-H1	House	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
136-O1	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
137-O1	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	4E-07	9E-07	2E-06	3E-06
137-O2	Other -Not Specified	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
138-G1	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	4E-07	9E-07	2E-06	3E-06
138-G2	Garden	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
138-H1	House	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
138-O1	Other -Not Specified	4E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
138-O2	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
139-G1	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
139-G2	Garden	2E-06	1E-06	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
139-H1	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
139-N1	Animal Activity Area	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	9E-07	3E-06	5E-06
140-G1	Garden	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
140-H1[b]	House	2E-05	9E-06	3E-05	3E-05	2E-05	4E-05	2E-06	9E-07	3E-06	9E-07	3E-06	6E-06
140-O1	Other -Not Specified	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
140-O2[b]	Other -Not Specified	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
141-A1	Agriculture	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
141-H1	House	7E-06	3E-06	9E-06	9E-06	1E-05	2E-05	5E-07	3E-07	8E-07	9E-07	2E-06	4E-06
141-H2	House	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
141-H3	House	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
141-N1	Animal Activity Area	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
141-N2	Animal Activity Area	2E-06	7E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
141-N3	Animal Activity Area	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	4E-07	2E-07	7E-07	9E-07	2E-06	3E-06
141-N4	Animal Activity Area	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
141-O1	Other -Not Specified	4E-06	2E-06	6E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
142-H1	House	4E-06	2E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	5E-07	9E-07	2E-06	3E-06
142-O1	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	4E-07	9E-07	2E-06	3E-06
143-A1	Agriculture	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
143-G1	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	4E-07	9E-07	2E-06	3E-06
143-G2	Garden	4E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
143-H1	House	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	3E-06
144-G1	Garden	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
144-H1	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06

Table 5-119. Cancer Risks by DU for the Current Resident who Consumes Northern Pike

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
145-A1	Agriculture	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	3E-06
145-H1	House	5E-06	2E-06	7E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
146G	Garden	3E-05	1E-05	4E-05	3E-05	2E-05	5E-05	2E-06	1E-06	3E-06	9E-07	3E-06	6E-06
146-H1	House	2E-06	1E-06	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
147-G1	Garden	4E-06	2E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	5E-07	9E-07	2E-06	3E-06
147-G2	Garden	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
147-H1	House	2E-06	7E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
148-H1	House	2E-06	9E-07	3E-06	4E-06	8E-06	1E-05	2E-07	8E-08	3E-07	9E-07	2E-06	3E-06
148-O1	Other -Not Specified	5E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
148-O3	Other -Not Specified	6E-06	2E-06	9E-06	9E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
149-A1	Agriculture	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
149-G1	Garden	5E-06	2E-06	8E-06	8E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
149-G2	Garden	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	3E-06
149-H1	House	4E-06	2E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	5E-07	9E-07	2E-06	3E-06
149-N1	Animal Activity Area	2E-06	8E-07	3E-06	4E-06	8E-06	1E-05	2E-07	8E-08	3E-07	9E-07	2E-06	3E-06
150-G1	Garden	2E-06	7E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
150-H1	House	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
151-H1	House	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	4E-07	2E-07	7E-07	9E-07	2E-06	3E-06
152-G1	Garden	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
152-H1	House	7E-06	3E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
153-G1	Garden	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	1E-06	9E-07	3E-06	4E-06
153-H1	House	6E-06	3E-06	9E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	3E-06
153-O1	Other -Not Specified	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	8E-07	9E-07	2E-06	4E-06
153-O2	Other -Not Specified	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	9E-07	3E-06	4E-06
153-O3	Other -Not Specified	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	1E-06	9E-07	3E-06	4E-06
153-O5	Other -Not Specified	7E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
153-O6	Other -Not Specified	1E-05	5E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	2E-06	9E-07	3E-06	4E-06
153-O7	Other -Not Specified	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	9E-07	3E-06	4E-06
153-P1	Play Area	2E-06	7E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
154-G1	Garden	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
154-H1	House	6E-06	2E-06	9E-06	9E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
155-G1	Garden	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
155-G2	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
155-H1	House	5E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
155-H2	House	6E-06	2E-06	9E-06	9E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
155-O2	Other -Not Specified	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
156-H1	House	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
156-O1	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
157-G1	Garden	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
157-H1	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
157-H2	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
157-O1	Other -Not Specified	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	8E-08	3E-07	9E-07	2E-06	3E-06
158-H1	House	2E-06	7E-07	3E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
158-O1	Other -Not Specified	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
159-G1	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06

Table 5-119. Cancer Risks by DU for the Current Resident who Consumes Northern Pike

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
159-H1	House	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
159-H2	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
159-O1	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
159-O2	Other -Not Specified	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
160-G1	Garden	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
160-H1	House	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
160-H2	House	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
161-H1	House	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
161-N1	Animal Activity Area	2E-06	8E-07	3E-06	4E-06	8E-06	1E-05	2E-07	8E-08	2E-07	9E-07	2E-06	3E-06
162-H1	House	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	5E-07	2E-06	9E-07	3E-06	4E-06
163G	Garden	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	8E-08	3E-07	9E-07	2E-06	3E-06
163-G1	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
163-O1	Other -Not Specified	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
164-H1	House	5E-06	2E-06	8E-06	8E-06	1E-05	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
165-H1	House	8E-06	4E-06	1E-05	1E-05	1E-05	2E-05	5E-07	3E-07	8E-07	9E-07	2E-06	4E-06
165-O1	Other -Not Specified	7E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
166-O1	Other -Not Specified	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
167-O1	Other -Not Specified	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
167-O2	Other -Not Specified	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
167-O3	Other -Not Specified	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
167-O4	Other -Not Specified	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
167-O5	Other -Not Specified	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
167-O6	Other -Not Specified	9E-06	4E-06	1E-05	1E-05	1E-05	2E-05	7E-07	4E-07	1E-06	9E-07	3E-06	4E-06
167-O7	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	4E-07	9E-07	2E-06	3E-06
167-O8	Other -Not Specified	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
167-O9	Other -Not Specified	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
168-G1	Garden	2E-06	8E-07	3E-06	4E-06	8E-06	1E-05	2E-07	8E-08	2E-07	9E-07	2E-06	3E-06
168-G2	Garden	1E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	5E-08	2E-07	9E-07	2E-06	3E-06
168-H1	House	2E-06	8E-07	3E-06	4E-06	8E-06	1E-05	2E-07	8E-08	3E-07	9E-07	2E-06	3E-06
168-N1	Animal Activity Area	7E-06	3E-06	1E-05	9E-06	1E-05	2E-05	6E-07	3E-07	8E-07	9E-07	2E-06	4E-06
168-O1	Other -Not Specified	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	7E-07	9E-07	2E-06	3E-06
169A	Other -Not Specified	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
169-G2	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
169-G3	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
169-G4	Garden	2E-06	7E-07	3E-06	4E-06	8E-06	1E-05	2E-07	7E-08	2E-07	9E-07	2E-06	3E-06
169-H1	House	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
170-G1	Garden	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
170-G2	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
170-H1	House	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
171-A1	Agriculture	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
171-G1	Garden	5E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
171-H1	House	7E-06	3E-06	1E-05	9E-06	1E-05	2E-05	6E-07	3E-07	8E-07	9E-07	3E-06	4E-06
172U	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
173-G1	Garden	2E-06	8E-07	3E-06	4E-06	8E-06	1E-05	2E-07	8E-08	2E-07	9E-07	2E-06	3E-06
173-G2	Garden	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	4E-07	2E-07	7E-07	9E-07	2E-06	3E-06

Table 5-119. Cancer Risks by DU for the Current Resident who Consumes Northern Pike

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
173-G3	Garden	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
173-G4	Garden	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
173-G5	Garden	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
173-H1	House	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
173-P1	Play Area	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
174-A1	Agriculture	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
174-G1	Garden	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
174-H1	House	2E-06	8E-07	3E-06	4E-06	8E-06	1E-05	2E-07	8E-08	3E-07	9E-07	2E-06	3E-06
174M	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	4E-07	9E-07	2E-06	3E-06
175-G1	Garden	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
175-G2	Garden	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
175-H1	House	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
176-A1	Agriculture	7E-06	3E-06	1E-05	9E-06	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
176G	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
176-H1	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
176-H2	House	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
176M	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
176-P1	Play Area	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
178-H1	House	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
179-H1	House	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	9E-07	3E-06	4E-06
180-H1	House	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
180-H2[b]	House	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
180-O1	Other -Not Specified	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
181-A1	Agriculture	6E-06	2E-06	8E-06	9E-06	1E-05	2E-05	5E-07	2E-07	8E-07	9E-07	2E-06	4E-06
181-G1	Garden	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	9E-07	3E-06	4E-06
181-G2	Garden	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	9E-07	3E-06	4E-06
181-H1	House	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	9E-07	3E-06	4E-06
181-H2	House	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	1E-06	9E-07	3E-06	4E-06
181-N1	Animal Activity Area	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	9E-07	3E-06	4E-06
181-N2	Animal Activity Area	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	3E-06
181-O1	Other -Not Specified	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
182-G1	Garden	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	9E-07	3E-06	4E-06
182-G2	Garden	5E-06	2E-06	7E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
182-H1	House	5E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
182-H2	House	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
182-O1	Other -Not Specified	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	4E-07	1E-06	9E-07	3E-06	4E-06
182-O2	Other -Not Specified	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
182-O3	Other -Not Specified	7E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
184-H1	House	4E-06	2E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	5E-07	9E-07	2E-06	3E-06
185-A1	Agriculture	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
185G	Garden	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
185-H1	House	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
186-O1	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
187-H1	House	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
188-A1	Agriculture	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06

Table 5-119. Cancer Risks by DU for the Current Resident who Consumes Northern Pike

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
188-G1	Garden	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
188-G2	Garden	4E-06	2E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	5E-07	9E-07	2E-06	3E-06
188-G3	Garden	2E-06	9E-07	3E-06	4E-06	8E-06	1E-05	2E-07	8E-08	3E-07	9E-07	2E-06	3E-06
188-H1	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
188-P1	Play Area	2E-06	1E-06	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
189-G1	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
189-H1	House	4E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
189-H2	House	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
189-O1	Other -Not Specified	1E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
190-G1	Garden	2E-06	7E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
190-H1	House	2E-06	7E-07	3E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
190-N1	Animal Activity Area	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
190-N2	Animal Activity Area	1E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
190-N3	Animal Activity Area	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
190-O1	Other -Not Specified	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
191-H1	House	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
192-A1	Agriculture	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	3E-06
192-G1	Garden	4E-06	2E-06	6E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
192-H1	House	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
193-G1	Garden	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
193-H1	House	1E-06	5E-07	2E-06	4E-06	8E-06	1E-05	1E-07	5E-08	1E-07	9E-07	2E-06	3E-06
194-H1	House	2E-06	8E-07	3E-06	4E-06	8E-06	1E-05	2E-07	8E-08	2E-07	9E-07	2E-06	3E-06
194-N1	Animal Activity Area	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
195-G1	Garden	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	4E-07	2E-07	7E-07	9E-07	2E-06	3E-06
195-G2	Garden	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
195-O1	Other -Not Specified	2E-06	9E-07	3E-06	5E-06	9E-06	1E-05	2E-07	9E-08	3E-07	9E-07	2E-06	3E-06
196-A1	Agriculture	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
196-A2	Agriculture	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
196-G1	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
196-O1	Other -Not Specified	4E-06	2E-06	6E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
197-H1	House	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
198-G1	Garden	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
198-H1	House	2E-06	7E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
199-G1	Garden	2E-06	7E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
199-O1	Other -Not Specified	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	3E-06
200-G1	Garden	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
200-H1	House	7E-06	3E-06	9E-06	9E-06	1E-05	2E-05	5E-07	3E-07	8E-07	9E-07	2E-06	4E-06
200-O1	Other -Not Specified	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
201G[b]	Garden	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	9E-07	3E-06	4E-06
201-O1	Other -Not Specified	5E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	9E-07	2E-06	3E-06
202-H1	House	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
202-N1	Animal Activity Area	4E-06	2E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
202-O1	Other -Not Specified	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
203-H1[b]	House	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06

Table 5-119. Cancer Risks by DU for the Current Resident who Consumes Northern Pike

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
203-O1[b]	Other -Not Specified	2E-05	8E-06	3E-05	2E-05	2E-05	4E-05	2E-06	8E-07	3E-06	9E-07	3E-06	5E-06
203-O2	Other -Not Specified	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
203-O3[b]	Other -Not Specified	2E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	7E-08	2E-07	9E-07	2E-06	3E-06
203-O4[b]	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	9E-07	3E-06	5E-06
205-O1	Other -Not Specified	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
206-A1	Agriculture	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
206-G1	Garden	1E-06	6E-07	2E-06	4E-06	8E-06	1E-05	1E-07	6E-08	2E-07	9E-07	2E-06	3E-06
206-H1	House	5E-06	2E-06	8E-06	8E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
206-H2	House	9E-06	4E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
206-O1	Other -Not Specified	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	2E-07	1E-07	4E-07	9E-07	2E-06	3E-06
207-O1	Other -Not Specified	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	8E-07	9E-07	2E-06	4E-06
208AA	Animal Activity Area	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
208BM	House	7E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
208G	Garden	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	4E-07	1E-06	9E-07	3E-06	4E-06
208-H1	House	6E-06	2E-06	9E-06	9E-06	1E-05	2E-05	5E-07	2E-07	8E-07	9E-07	2E-06	4E-06
209A	Agriculture	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
209-G1	Garden	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	5E-07	2E-06	9E-07	3E-06	4E-06
209-H1	House	2E-05	6E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	9E-07	3E-06	5E-06
209-P1	Play Area	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	3E-06
210-H1	House	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	3E-06
210-O1	Other -Not Specified	4E-06	2E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	5E-07	9E-07	2E-06	3E-06
211-A1	Garden	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
211-G1	Garden	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
211-G2	Garden	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
211-H1	House	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
211-O1	Other -Not Specified	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
212-H1	House	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
212-H2	House	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
213-O1	Other -Not Specified	7E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06
213-O2	Other -Not Specified	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
213-O3	Other -Not Specified	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	9E-07	3E-06	4E-06
21G	Garden	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	9E-07	3E-06	4E-06
230G	Garden	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
231Lower	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
238G	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
238M	Other -Not Specified	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	3E-07	9E-07	2E-06	3E-06
280yard	House	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
284M	House	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
285M	Other -Not Specified	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	8E-07	9E-07	2E-06	4E-06
288G1	Garden	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
288G2	Garden	3E-06	1E-06	4E-06	5E-06	9E-06	1E-05	2E-07	1E-07	4E-07	9E-07	2E-06	3E-06
289G3	Garden	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
317M	Play Area	2E-05	8E-06	3E-05	2E-05	2E-05	4E-05	2E-06	9E-07	3E-06	9E-07	3E-06	6E-06
319M[b]	House	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
320new	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	9E-07	3E-06	5E-06

Table 5-119. Cancer Risks by DU for the Current Resident who Consumes Northern Pike

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
35PA[b]	Play Area	3E-06	1E-06	4E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	9E-07	2E-06	3E-06
59A	House	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	9E-07	3E-06	5E-06
62G	Garden	5E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	9E-07	2E-06	4E-06
72M	Agriculture	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	9E-07	3E-06	4E-06
72U	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	9E-07	3E-06	4E-06
94M	Agriculture	5E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
999G1	Garden	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	8E-07	9E-07	2E-06	4E-06
999M1	House	5E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	9E-07	2E-06	3E-06
999M2	Garden	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	9E-07	2E-06	3E-06
999M3	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	9E-07	3E-06	4E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Cancer benchmark is HI≥1e-04.

Table 5-120. Cancer Risks by DU for the Current Resident who Consumes Rainbow Trout

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation		2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation		2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Rainbow Trout)		1E-05	2E-05	3E-05				1E-06	2E-06	4E-06			
Residential Soil/Dust[a]		Number of DUs that exceed benchmark[c]:						Number of DUs that exceed benchmark[c]:					
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
9	Agriculture	7E-06	2E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	8E-07	2E-06	5E-06	7E-06
13	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
14	Garden	7E-06	2E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	8E-07	2E-06	5E-06	7E-06
15	House	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
16	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	2E-06	5E-06	8E-06
17	Other -Not Specified	7E-06	2E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	8E-07	2E-06	5E-06	7E-06
18[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
20[b]	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
21	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
22	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	2E-06	5E-06	8E-06
25	House	5E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
27	Other -Not Specified	7E-06	2E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	8E-07	2E-06	5E-06	7E-06
28	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
29	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	2E-06	5E-06	7E-06
30	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	8E-07	2E-06	5E-06	7E-06
31	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
33	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
35[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
39[b]	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
40[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
42	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
44	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
46	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
47	Agriculture	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
49[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
55	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
56	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
58	Agriculture	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
59	House	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
60	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
61	House	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
62	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
66	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
67	Garden	8E-06	3E-06	1E-05	3E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
70	House	8E-06	3E-06	1E-05	3E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
71	Garden	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	2E-06	5E-06	8E-06
72	Garden	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	5E-06	8E-06
75	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	2E-06	5E-06	8E-06
82	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06

Table 5-120. Cancer Risks by DU for the Current Resident who Consumes Rainbow Trout

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
85	House	3E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
86	Agriculture	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
87	Agriculture	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
106	House	2E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
107	Garden	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	2E-06	5E-06	8E-06
108	Garden	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
109[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
110	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
111	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
112	House	2E-05	7E-06	3E-05	4E-05	3E-05	7E-05	2E-06	9E-07	3E-06	2E-06	5E-06	9E-06
121	House	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	8E-07	2E-06	5E-06	7E-06
122	Other -Not Specified	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	5E-06	8E-06
123	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	2E-06	5E-06	8E-06
135	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
146	House	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
147	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	2E-06	5E-06	7E-06
151[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
152	Other -Not Specified	6E-06	2E-06	9E-06	2E-05	3E-05	5E-05	5E-07	2E-07	8E-07	2E-06	5E-06	7E-06
154	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
160	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
163	House	8E-06	3E-06	1E-05	3E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
164	Agriculture	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
167	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
168	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	2E-06	5E-06	8E-06
169	Other -Not Specified	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	2E-06	5E-06	8E-06
170[b]	House	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
175	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
177	Agriculture	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	2E-06	5E-06	8E-06
185	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	2E-06	5E-06	8E-06
186	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
189	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	2E-06	5E-06	8E-06
192	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
193	House	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
194[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
196[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
201	House	7E-06	2E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	8E-07	2E-06	5E-06	7E-06
203[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
206	House	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
208	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
213	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	2E-06	5E-06	8E-06
216	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	2E-06	5E-06	8E-06
218[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
226C	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	2E-06	5E-06	7E-06
229	Play Area	8E-06	3E-06	1E-05	3E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06

Table 5-120. Cancer Risks by DU for the Current Resident who Consumes Rainbow Trout

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
231	House	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	2E-06	4E-06	7E-06
246	Play Area	5E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
249	Other -Not Specified	7E-06	2E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
250	House	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
253	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	2E-06	5E-06	8E-06
280	Other -Not Specified	5E-06	2E-06	8E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
287	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
288	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
291	Agriculture	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
306	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
315	House	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
316	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	2E-06	5E-06	8E-06
317	House	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
318	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
319	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
325	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
326	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
327	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
345	Play Area	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
346	Garden	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
347	Other -Not Specified	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	5E-06	8E-06
801	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	2E-06	5E-06	8E-06
1001	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	8E-07	2E-06	5E-06	7E-06
1005	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
1006	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
1007	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	2E-06	5E-06	7E-06
1008	Agriculture	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
1010	Agriculture	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	3E-07	8E-07	2E-06	5E-06	7E-06
1011	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
1015	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
1017	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	2E-06	5E-06	7E-06
1018	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	7E-07	2E-06	5E-06	7E-06
1020	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
1021[b]	House	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
1030[b]	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
1035	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
1036	Play Area	7E-06	2E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	8E-07	2E-06	5E-06	7E-06
1037	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
1060	House	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	2E-06	4E-06	7E-06
3000	House	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	2E-06	5E-06	8E-06
3001	Garden	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
3003	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
3004	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
075-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
075-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06

Table 5-120. Cancer Risks by DU for the Current Resident who Consumes Rainbow Trout

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
075-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
076-G1	Garden	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
076-G2	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
076-H1	House	6E-06	2E-06	9E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
076-H2	House	6E-06	3E-06	9E-06	2E-05	3E-05	5E-05	5E-07	2E-07	8E-07	2E-06	5E-06	7E-06
076-N1	Animal Activity Area	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
077-A1	Agriculture	1E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	5E-08	2E-07	2E-06	4E-06	7E-06
077-A2	Agriculture	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
077-G1	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
077-H1	House	2E-06	7E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
077-H2	House	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
077-N1	Animal Activity Area	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	2E-06	4E-06	7E-06
078-G1	Garden	1E-06	5E-07	2E-06	2E-05	3E-05	4E-05	9E-08	4E-08	1E-07	2E-06	4E-06	7E-06
078-H1	House	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
078-N1	Animal Activity Area	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
078-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
079-H1	House	6E-06	2E-06	9E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
079-H2	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
080-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
081-A1	Agriculture	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
081-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
081-O1	Other -Not Specified	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	2E-06	4E-06	7E-06
082-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
082-G2	Garden	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	2E-06	4E-06	7E-06
082-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
082-N1	Animal Activity Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
082-N2	Animal Activity Area	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
083-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
083-G2	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
083-H1	House	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
084-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
085-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
085-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
085-P1	Play Area	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
086-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
086-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
086-H2	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	2E-06	5E-06	7E-06
087-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
087-O1	Other -Not Specified	9E-06	4E-06	1E-05	3E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
088-H1	House	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
088-H2	House	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
088-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
089-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
089-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
089-O1	Other -Not Specified	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	2E-06	4E-06	7E-06

Table 5-120. Cancer Risks by DU for the Current Resident who Consumes Rainbow Trout

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
090-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
090-O2	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
091-G1	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
091-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
092-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
092-O2	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
093-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
094-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
094-P1	Play Area	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	5E-07	3E-07	8E-07	2E-06	5E-06	7E-06
095-A1	Agriculture	6E-06	3E-06	9E-06	2E-05	3E-05	5E-05	5E-07	2E-07	8E-07	2E-06	5E-06	7E-06
095-H1	House	6E-06	2E-06	9E-06	2E-05	3E-05	5E-05	5E-07	2E-07	8E-07	2E-06	5E-06	7E-06
095-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
095-O2	Other -Not Specified	6E-06	2E-06	9E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
096-H1	House	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	2E-06	5E-06	8E-06
096-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
097-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	2E-06	4E-06	7E-06
097-H2	House	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
098-G1	Garden	1E-06	5E-07	2E-06	2E-05	3E-05	4E-05	1E-07	5E-08	2E-07	2E-06	4E-06	7E-06
098-H1	House	1E-06	5E-07	2E-06	2E-05	3E-05	4E-05	1E-07	5E-08	2E-07	2E-06	4E-06	7E-06
098-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	2E-06	5E-06	7E-06
099-A1	Agriculture	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
099-G2	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
099-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
099-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
100-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	2E-06	5E-06	7E-06
100-H1	House	4E-06	1E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
100-N1	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
100-N2	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
100-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
101-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
101-H1	House	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
101-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
102-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
102-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
103-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
103-O1	Other -Not Specified	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	2E-06	5E-06	8E-06
104-H1	House	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
104-H2	House	8E-06	3E-06	1E-05	3E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
104-N1	Animal Activity Area	5E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
105-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
105-P1	Play Area	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	2E-06	4E-06	7E-06
106-G1	Garden	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	2E-06	4E-06	7E-06
106-G2	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
106-H1	House	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	2E-06	4E-06	7E-06
106-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06

Table 5-120. Cancer Risks by DU for the Current Resident who Consumes Rainbow Trout

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
107-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
108-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
108-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
108-O2	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
109-H1[b]	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
110-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
110G	Garden	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	2E-06	5E-06	7E-06
110-G1	Garden	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
110-G2	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
110-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
110-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
110-O2	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
111-H1	House	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
112G	Garden	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
112-G1	Garden	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	8E-07	2E-06	5E-06	7E-06
112-H1	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	2E-06	5E-06	8E-06
112-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	8E-07	2E-06	5E-06	7E-06
113-G1	Garden	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
113-G2	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
113-G3	Garden	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	2E-06	5E-06	8E-06
113low	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
113-O1	Other -Not Specified	2E-05	7E-06	3E-05	4E-05	3E-05	7E-05	2E-06	8E-07	2E-06	2E-06	5E-06	9E-06
113up	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
114-G1	Garden	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
114-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
114-O1	Other -Not Specified	2E-05	7E-06	3E-05	4E-05	3E-05	7E-05	2E-06	8E-07	2E-06	2E-06	5E-06	9E-06
115-O1	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	2E-06	5E-06	8E-06
115SP	Other -Not Specified	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	2E-06	5E-06	8E-06
116M	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
116-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
117-O1	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	2E-06	4E-06	7E-06
118-G1	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
118-G2	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
118-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
118-N1	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
118-N2	Animal Activity Area	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	2E-06	5E-06	8E-06
119-P1	Play Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
120-A1	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
120-G1	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
120-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
120-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	2E-06	5E-06	7E-06
121-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
121-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
121-N1	Animal Activity Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
121-N2	Animal Activity Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06

Table 5-120. Cancer Risks by DU for the Current Resident who Consumes Rainbow Trout

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
122-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
122-G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	2E-06	5E-06	7E-06
122-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
122-H2	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
122-O1	Other -Not Specified	6E-06	3E-06	9E-06	2E-05	3E-05	5E-05	5E-07	2E-07	8E-07	2E-06	5E-06	7E-06
122-O2	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
122-P1	Play Area	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
123-G1	Garden	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
123-G2	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
123-H1	House	5E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
123-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
123-O2	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
124-G1	Garden	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
124-G2	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
124-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
124-N1	Animal Activity Area	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
124-N2	Animal Activity Area	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
124-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
125-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
126-A1	Agriculture	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
126-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
126-G2	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
126-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
126-O1	Other -Not Specified	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	2E-06	4E-06	7E-06
126-O2	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
126-O3	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	2E-06	4E-06	7E-06
126-P1	Play Area	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	4E-07	2E-07	7E-07	2E-06	5E-06	7E-06
127-A1	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
127-G1	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
127-G2	Garden	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	2E-06	5E-06	7E-06
127-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
127-H2	House	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
127-N1	Animal Activity Area	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
128-G1	Garden	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
128-G2	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	7E-07	2E-06	5E-06	7E-06
128-G3	Garden	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
128-N1	Animal Activity Area	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
128-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
129-H1	House	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
129-H2	House	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
130-G1	Garden	1E-06	5E-07	2E-06	2E-05	3E-05	4E-05	1E-07	5E-08	1E-07	2E-06	4E-06	7E-06
130-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
130-H2	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
131-H1	House	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
132-G1	Garden	1E-06	5E-07	2E-06	2E-05	3E-05	4E-05	1E-07	5E-08	2E-07	2E-06	4E-06	7E-06

Table 5-120. Cancer Risks by DU for the Current Resident who Consumes Rainbow Trout

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
132-G2	Garden	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	2E-06	4E-06	7E-06
132-H1	House	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	2E-06	4E-06	7E-06
132-O1	Other -Not Specified	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
133-G1	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
133-H1	House	2E-05	6E-06	2E-05	3E-05	3E-05	7E-05	1E-06	7E-07	2E-06	2E-06	5E-06	8E-06
134-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
135-G1	Garden	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
135-H1	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
135-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
136-A1	Agriculture	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
136-G1	Garden	2E-06	1E-06	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
136-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
136-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
137-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	2E-06	5E-06	7E-06
137-O2	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
138-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	2E-06	5E-06	7E-06
138-G2	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
138-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
138-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
138-O2	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
139-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
139-G2	Garden	2E-06	1E-06	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
139-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
139-N1	Animal Activity Area	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
140-G1	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
140-H1[b]	House	2E-05	9E-06	3E-05	4E-05	3E-05	7E-05	2E-06	9E-07	3E-06	2E-06	5E-06	9E-06
140-O1	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
140-O2[b]	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
141-A1	Agriculture	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
141-H1	House	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	5E-07	3E-07	8E-07	2E-06	5E-06	7E-06
141-H2	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
141-H3	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
141-N1	Animal Activity Area	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
141-N2	Animal Activity Area	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
141-N3	Animal Activity Area	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	4E-07	2E-07	7E-07	2E-06	5E-06	7E-06
141-N4	Animal Activity Area	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
141-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
142-H1	House	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	2E-06	5E-06	7E-06
142-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	2E-06	5E-06	7E-06
143-A1	Agriculture	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
143-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	2E-06	5E-06	7E-06
143-G2	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
143-H1	House	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
144-G1	Garden	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
144-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06

Table 5-120. Cancer Risks by DU for the Current Resident who Consumes Rainbow Trout

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
145-A1	Agriculture	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
145-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
146G	Garden	3E-05	1E-05	4E-05	4E-05	4E-05	8E-05	2E-06	1E-06	3E-06	2E-06	5E-06	1E-05
146-H1	House	2E-06	1E-06	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
147-G1	Garden	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	2E-06	5E-06	7E-06
147-G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
147-H1	House	2E-06	7E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
148-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	2E-06	4E-06	7E-06
148-O1	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
148-O3	Other -Not Specified	6E-06	2E-06	9E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
149-A1	Agriculture	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
149-G1	Garden	5E-06	2E-06	8E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
149-G2	Garden	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
149-H1	House	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	2E-06	5E-06	7E-06
149-N1	Animal Activity Area	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	2E-06	4E-06	7E-06
150-G1	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
150-H1	House	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
151-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	7E-07	2E-06	5E-06	7E-06
152-G1	Garden	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
152-H1	House	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
153-G1	Garden	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	2E-06	5E-06	8E-06
153-H1	House	6E-06	3E-06	9E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
153-O1	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	8E-07	2E-06	5E-06	7E-06
153-O2	Other -Not Specified	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	2E-06	5E-06	8E-06
153-O3	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	2E-06	5E-06	8E-06
153-O5	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
153-O6	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	2E-06	5E-06	8E-06
153-O7	Other -Not Specified	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	2E-06	5E-06	8E-06
153-P1	Play Area	2E-06	7E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
154-G1	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
154-H1	House	6E-06	2E-06	9E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
155-G1	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
155-G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
155-H1	House	5E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
155-H2	House	6E-06	2E-06	9E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
155-O2	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
156-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
156-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
157-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
157-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
157-H2	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
157-O1	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	2E-06	4E-06	7E-06
158-H1	House	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
158-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
159-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06

Table 5-120. Cancer Risks by DU for the Current Resident who Consumes Rainbow Trout

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
159-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
159-H2	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
159-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
159-O2	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
160-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
160-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
160-H2	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
161-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
161-N1	Animal Activity Area	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	2E-06	4E-06	7E-06
162-H1	House	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	2E-06	5E-06	8E-06
163G	Garden	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	2E-06	4E-06	7E-06
163-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
163-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
164-H1	House	5E-06	2E-06	8E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
165-H1	House	8E-06	4E-06	1E-05	2E-05	3E-05	5E-05	5E-07	3E-07	8E-07	2E-06	5E-06	7E-06
165-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
166-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
167-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
167-O2	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
167-O3	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
167-O4	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
167-O5	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
167-O6	Other -Not Specified	9E-06	4E-06	1E-05	3E-05	3E-05	6E-05	7E-07	4E-07	1E-06	2E-06	5E-06	7E-06
167-O7	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	2E-06	5E-06	7E-06
167-O8	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
167-O9	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
168-G1	Garden	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	2E-06	4E-06	7E-06
168-G2	Garden	1E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	5E-08	2E-07	2E-06	4E-06	7E-06
168-H1	House	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	2E-06	4E-06	7E-06
168-N1	Animal Activity Area	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	8E-07	2E-06	5E-06	7E-06
168-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	7E-07	2E-06	5E-06	7E-06
169A	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
169-G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
169-G3	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
169-G4	Garden	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	2E-06	4E-06	7E-06
169-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
170-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
170-G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
170-H1	House	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
171-A1	Agriculture	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
171-G1	Garden	5E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
171-H1	House	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	8E-07	2E-06	5E-06	7E-06
172U	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
173-G1	Garden	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	2E-06	4E-06	7E-06
173-G2	Garden	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	4E-07	2E-07	7E-07	2E-06	5E-06	7E-06

Table 5-120. Cancer Risks by DU for the Current Resident who Consumes Rainbow Trout

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
173-G3	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
173-G4	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
173-G5	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
173-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
173-P1	Play Area	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
174-A1	Agriculture	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
174-G1	Garden	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
174-H1	House	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	2E-06	4E-06	7E-06
174M	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	2E-06	5E-06	7E-06
175-G1	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
175-G2	Garden	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
175-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
176-A1	Agriculture	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
176G	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
176-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
176-H2	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
176M	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
176-P1	Play Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
178-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
179-H1	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	2E-06	5E-06	8E-06
180-H1	House	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
180-H2[b]	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
180-O1	Other -Not Specified	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
181-A1	Agriculture	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	8E-07	2E-06	5E-06	7E-06
181-G1	Garden	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	5E-06	8E-06
181-G2	Garden	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	2E-06	5E-06	8E-06
181-H1	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	2E-06	5E-06	8E-06
181-H2	House	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	2E-06	5E-06	8E-06
181-N1	Animal Activity Area	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	2E-06	5E-06	8E-06
181-N2	Animal Activity Area	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
181-O1	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
182-G1	Garden	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	2E-06	5E-06	8E-06
182-G2	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
182-H1	House	5E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
182-H2	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
182-O1	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	4E-07	1E-06	2E-06	5E-06	8E-06
182-O2	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
182-O3	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
184-H1	House	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	2E-06	5E-06	7E-06
185-A1	Agriculture	8E-06	3E-06	1E-05	3E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
185G	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
185-H1	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
186-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
187-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
188-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06

Table 5-120. Cancer Risks by DU for the Current Resident who Consumes Rainbow Trout

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
188-G1	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
188-G2	Garden	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	2E-06	5E-06	7E-06
188-G3	Garden	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	2E-06	4E-06	7E-06
188-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
188-P1	Play Area	2E-06	1E-06	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
189-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
189-H1	House	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
189-H2	House	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
189-O1	Other -Not Specified	1E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
190-G1	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
190-H1	House	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
190-N1	Animal Activity Area	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
190-N2	Animal Activity Area	1E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
190-N3	Animal Activity Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
190-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
191-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
192-A1	Agriculture	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
192-G1	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
192-H1	House	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
193-G1	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
193-H1	House	1E-06	5E-07	2E-06	2E-05	3E-05	4E-05	1E-07	5E-08	1E-07	2E-06	4E-06	7E-06
194-H1	House	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	2E-06	4E-06	7E-06
194-N1	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
195-G1	Garden	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	4E-07	2E-07	7E-07	2E-06	5E-06	7E-06
195-G2	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
195-O1	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	2E-06	4E-06	7E-06
196-A1	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
196-A2	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
196-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
196-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
197-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
198-G1	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
198-H1	House	2E-06	7E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
199-G1	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
199-O1	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
200-G1	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
200-H1	House	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	5E-07	3E-07	8E-07	2E-06	5E-06	7E-06
200-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
201G[b]	Garden	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	2E-06	5E-06	8E-06
201-O1	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	2E-06	5E-06	7E-06
202-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
202-N1	Animal Activity Area	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
202-O1	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
203-H1[b]	House	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06

Table 5-120. Cancer Risks by DU for the Current Resident who Consumes Rainbow Trout

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
203-O1[b]	Other -Not Specified	2E-05	8E-06	3E-05	4E-05	3E-05	7E-05	2E-06	8E-07	3E-06	2E-06	5E-06	9E-06
203-O2	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
203-O3[b]	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	7E-06
203-O4[b]	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
205-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
206-A1	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
206-G1	Garden	1E-06	6E-07	2E-06	2E-05	3E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	7E-06
206-H1	House	5E-06	2E-06	8E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
206-H2	House	9E-06	4E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
206-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	2E-06	5E-06	7E-06
207-O1	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	8E-07	2E-06	5E-06	7E-06
208AA	Animal Activity Area	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
208BM	House	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
208G	Garden	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	4E-07	1E-06	2E-06	5E-06	8E-06
208-H1	House	6E-06	2E-06	9E-06	2E-05	3E-05	5E-05	5E-07	2E-07	8E-07	2E-06	5E-06	7E-06
209A	Agriculture	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
209-G1	Garden	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	2E-06	5E-06	8E-06
209-H1	House	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
209-P1	Play Area	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
210-H1	House	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
210-O1	Other -Not Specified	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	2E-06	5E-06	7E-06
211-A1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
211-G1	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
211-G2	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
211-H1	House	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
211-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
212-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
212-H2	House	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
213-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06
213-O2	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
213-O3	Other -Not Specified	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	2E-06	5E-06	8E-06
21G	Garden	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	2E-06	5E-06	8E-06
230G	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
231Lower	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
238G	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
238M	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	2E-06	4E-06	7E-06
280yard	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
284M	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
285M	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	8E-07	2E-06	5E-06	7E-06
288G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
288G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	2E-06	5E-06	7E-06
289G3	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
317M	Play Area	2E-05	8E-06	3E-05	4E-05	3E-05	7E-05	2E-06	9E-07	3E-06	2E-06	5E-06	9E-06
319M[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
320new	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06

Table 5-120. Cancer Risks by DU for the Current Resident who Consumes Rainbow Trout

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
35PA[b]	Play Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	2E-06	5E-06	7E-06
59A	House	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
62G	Garden	5E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	5E-06	7E-06
72M	Agriculture	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	2E-06	5E-06	8E-06
72U	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	5E-06	7E-06
94M	Agriculture	5E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
999G1	Garden	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	8E-07	2E-06	5E-06	7E-06
999M1	House	5E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	2E-06	5E-06	7E-06
999M2	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	2E-06	5E-06	7E-06
999M3	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	5E-06	7E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Cancer benchmark is HI≥1e-04.

Table 5-121. Cancer Risks by DU for the Current Resident who Consumes Smallmouth Bass

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation		2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation		2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Smallmouth Bass)		1E-05	1E-05	3E-05				1E-06	2E-06	3E-06			
Residential Soil/Dust[a]		Number of DUs that exceed benchmark[c]:						Number of DUs that exceed benchmark[c]:					
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
9	Agriculture	7E-06	2E-06	9E-06	2E-05	2E-05	5E-05	6E-07	3E-07	8E-07	2E-06	4E-06	7E-06
13	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
14	Garden	7E-06	2E-06	9E-06	2E-05	2E-05	5E-05	6E-07	3E-07	8E-07	2E-06	4E-06	7E-06
15	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
16	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
17	Other -Not Specified	7E-06	2E-06	9E-06	2E-05	2E-05	5E-05	6E-07	3E-07	8E-07	2E-06	4E-06	7E-06
18[b]	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
20[b]	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
21	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
22	House	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
25	House	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
27	Other -Not Specified	7E-06	2E-06	9E-06	2E-05	2E-05	5E-05	6E-07	3E-07	8E-07	2E-06	4E-06	7E-06
28	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
29	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
30	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	5E-05	5E-07	2E-07	8E-07	2E-06	4E-06	7E-06
31	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
33	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
35[b]	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
39[b]	Agriculture	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
40[b]	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
42	House	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
44	Agriculture	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
46	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
47	Agriculture	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
49[b]	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
55	House	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
56	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
58	Agriculture	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
59	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
60	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
61	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
62	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
66	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
67	Garden	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
70	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
71	Garden	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
72	Garden	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
75	House	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
82	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06

Table 5-121. Cancer Risks by DU for the Current Resident who Consumes Smallmouth Bass

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
85	House	3E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
86	Agriculture	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
87	Agriculture	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
106	House	2E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
107	Garden	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
108	Garden	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	6E-07	2E-06	2E-06	5E-06	7E-06
109[b]	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
110	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
111	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
112	House	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	9E-07	3E-06	2E-06	5E-06	8E-06
121	House	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	8E-07	2E-06	4E-06	7E-06
122	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
123	House	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
135	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
146	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
147	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
151[b]	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
152	Other -Not Specified	6E-06	2E-06	9E-06	2E-05	2E-05	5E-05	5E-07	2E-07	8E-07	2E-06	4E-06	7E-06
154	House	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
160	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
163	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
164	Agriculture	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
167	Agriculture	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
168	House	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
169	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
170[b]	House	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
175	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
177	Agriculture	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
185	House	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
186	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
189	House	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
192	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
193	House	7E-06	3E-06	9E-06	2E-05	2E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
194[b]	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
196[b]	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
201	House	7E-06	2E-06	9E-06	2E-05	2E-05	5E-05	6E-07	3E-07	8E-07	2E-06	4E-06	7E-06
203[b]	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
206	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
208	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
213	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	5E-06	7E-06
216	House	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
218[b]	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
226C	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	4E-07	2E-06	4E-06	6E-06
229	Play Area	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06

Table 5-121. Cancer Risks by DU for the Current Resident who Consumes Smallmouth Bass

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
231	House	2E-06	7E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	2E-07	2E-06	4E-06	6E-06
246	Play Area	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
249	Other -Not Specified	7E-06	2E-06	9E-06	2E-05	2E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
250	House	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
253	House	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
280	Other -Not Specified	5E-06	2E-06	8E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
287	Agriculture	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
288	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
291	Agriculture	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
306	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
315	House	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
316	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
317	House	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
318	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	7E-06
319	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
325	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
326	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
327	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
345	Play Area	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
346	Garden	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
347	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
801	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
1001	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
1005	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
1006	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
1007	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
1008	Agriculture	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
1010	Agriculture	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	3E-07	8E-07	2E-06	4E-06	7E-06
1011	Agriculture	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
1015	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
1017	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	4E-07	2E-06	4E-06	6E-06
1018	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06
1020	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
1021[b]	House	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
1030[b]	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
1035	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
1036	Play Area	7E-06	2E-06	9E-06	2E-05	2E-05	5E-05	6E-07	3E-07	8E-07	2E-06	4E-06	7E-06
1037	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
1060	House	2E-06	7E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	3E-07	2E-06	4E-06	6E-06
3000	House	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
3001	Garden	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
3003	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
3004	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
075-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
075-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06

Table 5-121. Cancer Risks by DU for the Current Resident who Consumes Smallmouth Bass

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
075-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
076-G1	Garden	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
076-G2	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
076-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	5E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
076-H2	House	6E-06	3E-06	9E-06	2E-05	2E-05	5E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
076-N1	Animal Activity Area	2E-06	7E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
077-A1	Agriculture	1E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	5E-08	2E-07	2E-06	4E-06	6E-06
077-A2	Agriculture	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
077-G1	Garden	2E-06	7E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
077-H1	House	2E-06	7E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
077-H2	House	2E-06	7E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
077-N1	Animal Activity Area	2E-06	7E-07	3E-06	2E-05	2E-05	4E-05	2E-07	7E-08	2E-07	2E-06	4E-06	6E-06
078-G1	Garden	1E-06	5E-07	2E-06	2E-05	2E-05	4E-05	9E-08	4E-08	1E-07	2E-06	4E-06	6E-06
078-H1	House	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
078-N1	Animal Activity Area	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
078-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
079-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	5E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
079-H2	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
080-H1	House	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
081-A1	Agriculture	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
081-H1	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
081-O1	Other -Not Specified	2E-06	8E-07	3E-06	2E-05	2E-05	4E-05	2E-07	7E-08	2E-07	2E-06	4E-06	6E-06
082-G1	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
082-G2	Garden	2E-06	8E-07	3E-06	2E-05	2E-05	4E-05	2E-07	7E-08	2E-07	2E-06	4E-06	6E-06
082-H1	House	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
082-N1	Animal Activity Area	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
082-N2	Animal Activity Area	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
083-G1	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
083-G2	Garden	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
083-H1	House	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
084-H1	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
085-H1	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
085-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
085-P1	Play Area	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
086-G1	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
086-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
086-H2	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	4E-07	2E-06	4E-06	6E-06
087-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
087-O1	Other -Not Specified	9E-06	4E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
088-H1	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
088-H2	House	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
088-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
089-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
089-H1	House	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
089-O1	Other -Not Specified	2E-06	8E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	2E-07	2E-06	4E-06	6E-06

Table 5-121. Cancer Risks by DU for the Current Resident who Consumes Smallmouth Bass

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
090-H1	House	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
090-O2	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
091-G1	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
091-H1	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
092-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
092-O2	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
093-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
094-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
094-P1	Play Area	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	5E-07	3E-07	8E-07	2E-06	4E-06	7E-06
095-A1	Agriculture	6E-06	3E-06	9E-06	2E-05	3E-05	5E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
095-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	5E-05	5E-07	2E-07	8E-07	2E-06	4E-06	7E-06
095-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
095-O2	Other -Not Specified	6E-06	2E-06	9E-06	2E-05	2E-05	5E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
096-H1	House	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
096-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
097-H1	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	4E-07	2E-06	4E-06	6E-06
097-H2	House	2E-06	7E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
098-G1	Garden	1E-06	5E-07	2E-06	2E-05	2E-05	4E-05	1E-07	5E-08	2E-07	2E-06	4E-06	6E-06
098-H1	House	1E-06	5E-07	2E-06	2E-05	2E-05	4E-05	1E-07	5E-08	2E-07	2E-06	4E-06	6E-06
098-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	4E-07	2E-06	4E-06	6E-06
099-A1	Agriculture	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
099-G2	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
099-H1	House	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
099-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
100-G1	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
100-H1	House	4E-06	1E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
100-N1	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
100-N2	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
100-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
101-G1	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
101-H1	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
101-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
102-G1	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
102-H1	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
103-H1	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
103-O1	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
104-H1	House	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
104-H2	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
104-N1	Animal Activity Area	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
105-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
105-P1	Play Area	2E-06	8E-07	3E-06	2E-05	2E-05	4E-05	2E-07	7E-08	2E-07	2E-06	4E-06	6E-06
106-G1	Garden	2E-06	8E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	2E-07	2E-06	4E-06	6E-06
106-G2	Garden	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
106-H1	House	2E-06	8E-07	3E-06	2E-05	2E-05	4E-05	2E-07	7E-08	2E-07	2E-06	4E-06	6E-06
106-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06

Table 5-121. Cancer Risks by DU for the Current Resident who Consumes Smallmouth Bass

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
107-H1	House	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
108-H1	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
108-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
108-O2	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
109-H1[b]	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
110-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
110G	Garden	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
110-G1	Garden	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
110-G2	Garden	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
110-H1	House	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
110-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
110-O2	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
111-H1	House	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	6E-07	2E-06	2E-06	5E-06	7E-06
112G	Garden	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
112-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	5E-05	5E-07	2E-07	8E-07	2E-06	4E-06	7E-06
112-H1	House	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
112-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	8E-07	2E-06	4E-06	7E-06
113-G1	Garden	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
113-G2	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
113-G3	Garden	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
113low	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
113-O1	Other -Not Specified	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	8E-07	2E-06	2E-06	5E-06	8E-06
113up	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
114-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	5E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
114-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
114-O1	Other -Not Specified	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	8E-07	2E-06	2E-06	5E-06	8E-06
115-O1	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	2E-06	5E-06	7E-06
115SP	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
116M	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
116-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
117-O1	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	3E-07	2E-06	4E-06	6E-06
118-G1	Garden	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
118-G2	Garden	2E-06	7E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
118-H1	House	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
118-N1	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
118-N2	Animal Activity Area	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	5E-06	7E-06
119-P1	Play Area	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
120-A1	Agriculture	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
120-G1	Garden	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
120-H1	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
120-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	4E-07	2E-06	4E-06	6E-06
121-G1	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
121-H1	House	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
121-N1	Animal Activity Area	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
121-N2	Animal Activity Area	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06

Table 5-121. Cancer Risks by DU for the Current Resident who Consumes Smallmouth Bass

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
122-G1	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
122-G2	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	4E-07	2E-06	4E-06	6E-06
122-H1	House	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
122-H2	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
122-O1	Other -Not Specified	6E-06	3E-06	9E-06	2E-05	2E-05	5E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
122-O2	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
122-P1	Play Area	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
123-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
123-G2	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
123-H1	House	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
123-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
123-O2	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
124-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
124-G2	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
124-H1	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
124-N1	Animal Activity Area	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
124-N2	Animal Activity Area	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
124-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
125-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
126-A1	Agriculture	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
126-G1	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
126-G2	Garden	2E-06	7E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
126-H1	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
126-O1	Other -Not Specified	2E-06	8E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	2E-07	2E-06	4E-06	6E-06
126-O2	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
126-O3	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	3E-07	2E-06	4E-06	6E-06
126-P1	Play Area	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06
127-A1	Agriculture	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
127-G1	Garden	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
127-G2	Garden	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
127-H1	House	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
127-H2	House	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
127-N1	Animal Activity Area	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
128-G1	Garden	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
128-G2	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06
128-G3	Garden	7E-06	3E-06	9E-06	2E-05	2E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
128-N1	Animal Activity Area	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
128-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
129-H1	House	7E-06	3E-06	9E-06	2E-05	2E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
129-H2	House	2E-06	7E-07	3E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
130-G1	Garden	1E-06	5E-07	2E-06	2E-05	2E-05	4E-05	1E-07	5E-08	1E-07	2E-06	4E-06	6E-06
130-H1	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
130-H2	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
131-H1	House	2E-06	7E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
132-G1	Garden	1E-06	5E-07	2E-06	2E-05	2E-05	4E-05	1E-07	5E-08	2E-07	2E-06	4E-06	6E-06

Table 5-121. Cancer Risks by DU for the Current Resident who Consumes Smallmouth Bass

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
132-G2	Garden	2E-06	7E-07	3E-06	2E-05	2E-05	4E-05	2E-07	7E-08	2E-07	2E-06	4E-06	6E-06
132-H1	House	2E-06	8E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	2E-07	2E-06	4E-06	6E-06
132-O1	Other -Not Specified	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
133-G1	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
133-H1	House	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	7E-07	2E-06	2E-06	5E-06	8E-06
134-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
135-G1	Garden	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
135-H1	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
135-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
136-A1	Agriculture	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
136-G1	Garden	2E-06	1E-06	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
136-H1	House	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
136-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
137-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	4E-07	2E-06	4E-06	6E-06
137-O2	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
138-G1	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	4E-07	2E-06	4E-06	6E-06
138-G2	Garden	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
138-H1	House	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
138-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
138-O2	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
139-G1	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
139-G2	Garden	2E-06	1E-06	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
139-H1	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
139-N1	Animal Activity Area	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	7E-06
140-G1	Garden	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
140-H1[b]	House	2E-05	9E-06	3E-05	4E-05	3E-05	7E-05	2E-06	9E-07	3E-06	2E-06	5E-06	9E-06
140-O1	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
140-O2[b]	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
141-A1	Agriculture	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
141-H1	House	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	5E-07	3E-07	8E-07	2E-06	4E-06	7E-06
141-H2	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
141-H3	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
141-N1	Animal Activity Area	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
141-N2	Animal Activity Area	2E-06	7E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
141-N3	Animal Activity Area	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06
141-N4	Animal Activity Area	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
141-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
142-H1	House	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
142-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	4E-07	2E-06	4E-06	6E-06
143-A1	Agriculture	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
143-G1	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	4E-07	2E-06	4E-06	6E-06
143-G2	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
143-H1	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
144-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
144-H1	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06

Table 5-121. Cancer Risks by DU for the Current Resident who Consumes Smallmouth Bass

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
145-A1	Agriculture	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
145-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
146G	Garden	3E-05	1E-05	4E-05	4E-05	3E-05	7E-05	2E-06	1E-06	3E-06	2E-06	5E-06	9E-06
146-H1	House	2E-06	1E-06	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
147-G1	Garden	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
147-G2	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
147-H1	House	2E-06	7E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
148-H1	House	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	3E-07	2E-06	4E-06	6E-06
148-O1	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
148-O3	Other -Not Specified	6E-06	2E-06	9E-06	2E-05	2E-05	5E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
149-A1	Agriculture	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
149-G1	Garden	5E-06	2E-06	8E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
149-G2	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
149-H1	House	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
149-N1	Animal Activity Area	2E-06	8E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	3E-07	2E-06	4E-06	6E-06
150-G1	Garden	2E-06	7E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
150-H1	House	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
151-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06
152-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
152-H1	House	7E-06	3E-06	9E-06	2E-05	2E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
153-G1	Garden	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
153-H1	House	6E-06	3E-06	9E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
153-O1	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	5E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
153-O2	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
153-O3	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
153-O5	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
153-O6	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
153-O7	Other -Not Specified	1E-05	4E-06	1E-05	3E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
153-P1	Play Area	2E-06	7E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
154-G1	Garden	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
154-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	5E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
155-G1	Garden	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
155-G2	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
155-H1	House	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
155-H2	House	6E-06	2E-06	9E-06	2E-05	2E-05	5E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
155-O2	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
156-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
156-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
157-G1	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
157-H1	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
157-H2	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
157-O1	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	3E-07	2E-06	4E-06	6E-06
158-H1	House	2E-06	7E-07	3E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
158-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
159-G1	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06

Table 5-121. Cancer Risks by DU for the Current Resident who Consumes Smallmouth Bass

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
159-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
159-H2	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
159-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
159-O2	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
160-G1	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
160-H1	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
160-H2	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
161-H1	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
161-N1	Animal Activity Area	2E-06	8E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	2E-07	2E-06	4E-06	6E-06
162-H1	House	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	5E-06	7E-06
163G	Garden	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	3E-07	2E-06	4E-06	6E-06
163-G1	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
163-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
164-H1	House	5E-06	2E-06	8E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
165-H1	House	8E-06	4E-06	1E-05	2E-05	3E-05	5E-05	5E-07	3E-07	8E-07	2E-06	4E-06	7E-06
165-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
166-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
167-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
167-O2	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
167-O3	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
167-O4	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
167-O5	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
167-O6	Other -Not Specified	9E-06	4E-06	1E-05	2E-05	3E-05	5E-05	7E-07	4E-07	1E-06	2E-06	4E-06	7E-06
167-O7	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	4E-07	2E-06	4E-06	6E-06
167-O8	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
167-O9	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
168-G1	Garden	2E-06	8E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	2E-07	2E-06	4E-06	6E-06
168-G2	Garden	1E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	5E-08	2E-07	2E-06	4E-06	6E-06
168-H1	House	2E-06	8E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	3E-07	2E-06	4E-06	6E-06
168-N1	Animal Activity Area	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	8E-07	2E-06	4E-06	7E-06
168-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06
169A	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
169-G2	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
169-G3	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
169-G4	Garden	2E-06	7E-07	3E-06	2E-05	2E-05	4E-05	2E-07	7E-08	2E-07	2E-06	4E-06	6E-06
169-H1	House	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
170-G1	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
170-G2	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
170-H1	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
171-A1	Agriculture	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
171-G1	Garden	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
171-H1	House	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	8E-07	2E-06	4E-06	7E-06
172U	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
173-G1	Garden	2E-06	8E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	2E-07	2E-06	4E-06	6E-06
173-G2	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06

Table 5-121. Cancer Risks by DU for the Current Resident who Consumes Smallmouth Bass

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
173-G3	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
173-G4	Garden	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
173-G5	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
173-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
173-P1	Play Area	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
174-A1	Agriculture	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
174-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
174-H1	House	2E-06	8E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	3E-07	2E-06	4E-06	6E-06
174M	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	4E-07	2E-06	4E-06	6E-06
175-G1	Garden	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
175-G2	Garden	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
175-H1	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
176-A1	Agriculture	7E-06	3E-06	1E-05	2E-05	2E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
176G	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
176-H1	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
176-H2	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
176M	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
176-P1	Play Area	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
178-H1	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
179-H1	House	1E-05	4E-06	1E-05	3E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
180-H1	House	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
180-H2[b]	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
180-O1	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
181-A1	Agriculture	6E-06	2E-06	8E-06	2E-05	2E-05	5E-05	5E-07	2E-07	8E-07	2E-06	4E-06	7E-06
181-G1	Garden	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
181-G2	Garden	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
181-H1	House	1E-05	4E-06	1E-05	3E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
181-H2	House	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
181-N1	Animal Activity Area	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
181-N2	Animal Activity Area	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
181-O1	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
182-G1	Garden	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
182-G2	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
182-H1	House	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
182-H2	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
182-O1	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	4E-07	1E-06	2E-06	4E-06	7E-06
182-O2	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
182-O3	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
184-H1	House	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
185-A1	Agriculture	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
185G	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
185-H1	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
186-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
187-H1	House	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
188-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06

Table 5-121. Cancer Risks by DU for the Current Resident who Consumes Smallmouth Bass

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
188-G1	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
188-G2	Garden	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
188-G3	Garden	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	3E-07	2E-06	4E-06	6E-06
188-H1	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
188-P1	Play Area	2E-06	1E-06	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
189-G1	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
189-H1	House	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
189-H2	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
189-O1	Other -Not Specified	1E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
190-G1	Garden	2E-06	7E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
190-H1	House	2E-06	7E-07	3E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
190-N1	Animal Activity Area	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
190-N2	Animal Activity Area	1E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
190-N3	Animal Activity Area	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
190-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
191-H1	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
192-A1	Agriculture	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
192-G1	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
192-H1	House	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
193-G1	Garden	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
193-H1	House	1E-06	5E-07	2E-06	2E-05	2E-05	4E-05	1E-07	5E-08	1E-07	2E-06	4E-06	6E-06
194-H1	House	2E-06	8E-07	3E-06	2E-05	2E-05	4E-05	2E-07	8E-08	2E-07	2E-06	4E-06	6E-06
194-N1	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
195-G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06
195-G2	Garden	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
195-O1	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	2E-05	4E-05	2E-07	9E-08	3E-07	2E-06	4E-06	6E-06
196-A1	Agriculture	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
196-A2	Agriculture	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
196-G1	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
196-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
197-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
198-G1	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
198-H1	House	2E-06	7E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
199-G1	Garden	2E-06	7E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
199-O1	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
200-G1	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
200-H1	House	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	5E-07	3E-07	8E-07	2E-06	4E-06	7E-06
200-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
201G[b]	Garden	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
201-O1	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
202-H1	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
202-N1	Animal Activity Area	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
202-O1	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
203-H1[b]	House	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06

Table 5-121. Cancer Risks by DU for the Current Resident who Consumes Smallmouth Bass

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
203-O1[b]	Other -Not Specified	2E-05	8E-06	3E-05	3E-05	3E-05	6E-05	2E-06	8E-07	3E-06	2E-06	5E-06	8E-06
203-O2	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
203-O3[b]	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	7E-08	2E-07	2E-06	4E-06	6E-06
203-O4[b]	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
205-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
206-A1	Agriculture	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
206-G1	Garden	1E-06	6E-07	2E-06	2E-05	2E-05	4E-05	1E-07	6E-08	2E-07	2E-06	4E-06	6E-06
206-H1	House	5E-06	2E-06	8E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
206-H2	House	9E-06	4E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
206-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	2E-07	1E-07	4E-07	2E-06	4E-06	6E-06
207-O1	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	7E-06
208AA	Animal Activity Area	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
208BM	House	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
208G	Garden	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	4E-07	1E-06	2E-06	4E-06	7E-06
208-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	5E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
209A	Agriculture	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
209-G1	Garden	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	5E-06	7E-06
209-H1	House	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
209-P1	Play Area	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
210-H1	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
210-O1	Other -Not Specified	4E-06	2E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	5E-07	2E-06	4E-06	6E-06
211-A1	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
211-G1	Garden	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
211-G2	Garden	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
211-H1	House	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
211-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
212-H1	House	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
212-H2	House	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
213-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
213-O2	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
213-O3	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
21G	Garden	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
230G	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
231Lower	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
238G	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
238M	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	3E-07	2E-06	4E-06	6E-06
280yard	House	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
284M	House	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
285M	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
288G1	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
288G2	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	2E-07	1E-07	4E-07	2E-06	4E-06	6E-06
289G3	Garden	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
317M	Play Area	2E-05	8E-06	3E-05	4E-05	3E-05	7E-05	2E-06	9E-07	3E-06	2E-06	5E-06	8E-06
319M[b]	House	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
320new	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	7E-06

Table 5-121. Cancer Risks by DU for the Current Resident who Consumes Smallmouth Bass

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
35PA[b]	Play Area	3E-06	1E-06	4E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
59A	House	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	6E-07	2E-06	2E-06	5E-06	7E-06
62G	Garden	5E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
72M	Agriculture	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
72U	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
94M	Agriculture	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
999G1	Garden	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
999M1	House	5E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
999M2	Garden	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
999M3	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Cancer benchmark is HI≥1e-04.

Table 5-122. Cancer Risks by DU for the Current Resident who Consumes Sturgeon

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation		2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation		2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Sturgeon)		4E-06	5E-06	1E-05				4E-07	6E-07	1E-06			
Residential Soil/Dust[a]		Number of DUs that exceed benchmark[c]:						Number of DUs that exceed benchmark[c]:					
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
9	Agriculture	7E-06	2E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
13	Other -Not Specified	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
14	Garden	7E-06	2E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
15	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
16	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	3E-06	5E-06
17	Other -Not Specified	7E-06	2E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
18[b]	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
20[b]	Garden	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
21	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
22	House	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	1E-06	3E-06	5E-06
25	House	5E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
27	Other -Not Specified	7E-06	2E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
28	Garden	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
29	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	5E-07	1E-06	3E-06	4E-06
30	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
31	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
33	House	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
35[b]	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
39[b]	Agriculture	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
40[b]	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
42	House	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
44	Agriculture	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
46	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
47	Agriculture	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
49[b]	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
55	House	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
56	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
58	Agriculture	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
59	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
60	Garden	4E-06	1E-06	5E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
61	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
62	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
66	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
67	Garden	8E-06	3E-06	1E-05	2E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
70	House	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
71	Garden	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	1E-06	3E-06	5E-06
72	Garden	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	1E-06	3E-06	5E-06
75	House	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	1E-06	3E-06	5E-06
82	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06

Table 5-122. Cancer Risks by DU for the Current Resident who Consumes Sturgeon

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
85	House	3E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
86	Agriculture	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
87	Agriculture	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
106	House	2E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	4E-06	6E-06
107	Garden	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	1E-06	3E-06	5E-06
108	Garden	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	3E-06	6E-06
109[b]	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
110	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
111	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
112	House	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	9E-07	3E-06	1E-06	4E-06	7E-06
121	House	7E-06	3E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
122	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	1E-06	3E-06	5E-06
123	House	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	1E-06	3E-06	5E-06
135	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
146	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
147	Garden	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	5E-07	1E-06	3E-06	4E-06
151[b]	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
152	Other -Not Specified	6E-06	2E-06	9E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
154	House	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
160	House	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
163	House	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
164	Agriculture	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
167	Agriculture	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
168	House	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	1E-06	3E-06	5E-06
169	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	1E-06	3E-06	5E-06
170[b]	House	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
175	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
177	Agriculture	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	1E-06	3E-06	5E-06
185	House	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	1E-06	3E-06	5E-06
186	House	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
189	House	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	1E-06	3E-06	5E-06
192	House	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
193	House	7E-06	3E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
194[b]	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
196[b]	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
201	House	7E-06	2E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
203[b]	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
206	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
208	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
213	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	3E-06	6E-06
216	House	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	1E-06	3E-06	5E-06
218[b]	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
226C	House	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	4E-07	1E-06	3E-06	4E-06
229	Play Area	8E-06	3E-06	1E-05	2E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06

Table 5-122. Cancer Risks by DU for the Current Resident who Consumes Sturgeon

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
231	House	2E-06	7E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	2E-07	1E-06	3E-06	4E-06
246	Play Area	5E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
249	Other -Not Specified	7E-06	2E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
250	House	4E-06	1E-06	5E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
253	House	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	1E-06	3E-06	5E-06
280	Other -Not Specified	5E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
287	Agriculture	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
288	House	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
291	Agriculture	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
306	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
315	House	4E-06	1E-06	5E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
316	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	1E-06	3E-06	5E-06
317	House	2E-05	6E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	3E-06	6E-06
318	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	3E-06	6E-06
319	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
325	Garden	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
326	Other -Not Specified	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
327	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
345	Play Area	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
346	Garden	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
347	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	1E-06	3E-06	5E-06
801	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	1E-06	3E-06	5E-06
1001	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
1005	Garden	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
1006	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
1007	Garden	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	5E-07	1E-06	3E-06	4E-06
1008	Agriculture	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
1010	Agriculture	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	3E-07	8E-07	1E-06	3E-06	5E-06
1011	Agriculture	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
1015	Garden	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
1017	Garden	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	4E-07	1E-06	3E-06	4E-06
1018	Garden	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	7E-07	1E-06	3E-06	5E-06
1020	Garden	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
1021[b]	House	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
1030[b]	Other -Not Specified	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
1035	Garden	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
1036	Play Area	7E-06	2E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
1037	Garden	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
1060	House	2E-06	7E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	3E-07	1E-06	3E-06	4E-06
3000	House	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	3E-06	5E-06
3001	Garden	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	3E-06	6E-06
3003	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
3004	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
075-A1	Agriculture	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
075-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06

Table 5-122. Cancer Risks by DU for the Current Resident who Consumes Sturgeon

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
075-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
076-G1	Garden	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
076-G2	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
076-H1	House	6E-06	2E-06	9E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
076-H2	House	6E-06	3E-06	9E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
076-N1	Animal Activity Area	2E-06	7E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
077-A1	Agriculture	1E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	5E-08	2E-07	1E-06	3E-06	4E-06
077-A2	Agriculture	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
077-G1	Garden	2E-06	7E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
077-H1	House	2E-06	7E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
077-H2	House	2E-06	7E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
077-N1	Animal Activity Area	2E-06	7E-07	3E-06	8E-06	1E-05	2E-05	2E-07	7E-08	2E-07	1E-06	3E-06	4E-06
078-G1	Garden	1E-06	5E-07	2E-06	8E-06	1E-05	2E-05	9E-08	4E-08	1E-07	1E-06	3E-06	4E-06
078-H1	House	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
078-N1	Animal Activity Area	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
078-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
079-H1	House	6E-06	2E-06	9E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
079-H2	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
080-H1	House	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
081-A1	Agriculture	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
081-H1	House	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
081-O1	Other -Not Specified	2E-06	8E-07	3E-06	9E-06	1E-05	2E-05	2E-07	7E-08	2E-07	1E-06	3E-06	4E-06
082-G1	Garden	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
082-G2	Garden	2E-06	8E-07	3E-06	9E-06	1E-05	2E-05	2E-07	7E-08	2E-07	1E-06	3E-06	4E-06
082-H1	House	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
082-N1	Animal Activity Area	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
082-N2	Animal Activity Area	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
083-G1	Garden	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
083-G2	Garden	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
083-H1	House	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
084-H1	House	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
085-H1	House	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
085-O1	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
085-P1	Play Area	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
086-G1	Garden	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
086-H1	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
086-H2	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	2E-07	1E-07	4E-07	1E-06	3E-06	4E-06
087-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
087-O1	Other -Not Specified	9E-06	4E-06	1E-05	2E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
088-H1	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
088-H2	House	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
088-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
089-A1	Agriculture	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
089-H1	House	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
089-O1	Other -Not Specified	2E-06	8E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	2E-07	1E-06	3E-06	4E-06

Table 5-122. Cancer Risks by DU for the Current Resident who Consumes Sturgeon

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
090-H1	House	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
090-O2	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
091-G1	Garden	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
091-H1	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
092-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
092-O2	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
093-H1	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
094-H1	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
094-P1	Play Area	7E-06	3E-06	9E-06	1E-05	2E-05	3E-05	5E-07	3E-07	8E-07	1E-06	3E-06	5E-06
095-A1	Agriculture	6E-06	3E-06	9E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
095-H1	House	6E-06	2E-06	9E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
095-O1	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
095-O2	Other -Not Specified	6E-06	2E-06	9E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
096-H1	House	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	3E-06	5E-06
096-O1	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
097-H1	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	2E-07	1E-07	4E-07	1E-06	3E-06	4E-06
097-H2	House	2E-06	7E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
098-G1	Garden	1E-06	5E-07	2E-06	8E-06	1E-05	2E-05	1E-07	5E-08	2E-07	1E-06	3E-06	4E-06
098-H1	House	1E-06	5E-07	2E-06	8E-06	1E-05	2E-05	1E-07	5E-08	2E-07	1E-06	3E-06	4E-06
098-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	2E-07	1E-07	4E-07	1E-06	3E-06	4E-06
099-A1	Agriculture	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
099-G2	Garden	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
099-H1	House	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
099-O1	Other -Not Specified	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
100-G1	Garden	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	5E-07	1E-06	3E-06	4E-06
100-H1	House	4E-06	1E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
100-N1	Animal Activity Area	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
100-N2	Animal Activity Area	4E-06	1E-06	5E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
100-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
101-G1	Garden	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
101-H1	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
101-O1	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
102-G1	Garden	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
102-H1	House	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
103-H1	House	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
103-O1	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	1E-06	3E-06	5E-06
104-H1	House	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
104-H2	House	8E-06	3E-06	1E-05	2E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
104-N1	Animal Activity Area	5E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
105-H1	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
105-P1	Play Area	2E-06	8E-07	3E-06	9E-06	1E-05	2E-05	2E-07	7E-08	2E-07	1E-06	3E-06	4E-06
106-G1	Garden	2E-06	8E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	2E-07	1E-06	3E-06	4E-06
106-G2	Garden	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
106-H1	House	2E-06	8E-07	3E-06	9E-06	1E-05	2E-05	2E-07	7E-08	2E-07	1E-06	3E-06	4E-06
106-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06

Table 5-122. Cancer Risks by DU for the Current Resident who Consumes Sturgeon

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
107-H1	House	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
108-H1	House	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
108-O1	Other -Not Specified	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
108-O2	Other -Not Specified	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
109-H1[b]	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
110-A1	Agriculture	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
110G	Garden	4E-06	2E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	5E-07	1E-06	3E-06	4E-06
110-G1	Garden	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
110-G2	Garden	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
110-H1	House	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
110-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
110-O2	Other -Not Specified	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
111-H1	House	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	3E-06	6E-06
112G	Garden	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
112-G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
112-H1	House	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	1E-06	3E-06	5E-06
112-O1	Other -Not Specified	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
113-G1	Garden	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
113-G2	Garden	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
113-G3	Garden	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	3E-06	5E-06
113low	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
113-O1	Other -Not Specified	2E-05	7E-06	3E-05	3E-05	2E-05	4E-05	2E-06	8E-07	2E-06	1E-06	4E-06	6E-06
113up	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
114-G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
114-H1	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
114-O1	Other -Not Specified	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	2E-06	1E-06	4E-06	6E-06
115-O1	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	3E-06	6E-06
115SP	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	1E-06	3E-06	5E-06
116M	House	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
116-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
117-O1	Other -Not Specified	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	3E-07	1E-06	3E-06	4E-06
118-G1	Garden	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
118-G2	Garden	2E-06	7E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
118-H1	House	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
118-N1	Animal Activity Area	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
118-N2	Animal Activity Area	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	3E-06	6E-06
119-P1	Play Area	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
120-A1	Agriculture	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
120-G1	Garden	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
120-H1	House	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
120-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	2E-07	1E-07	4E-07	1E-06	3E-06	4E-06
121-G1	Garden	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
121-H1	House	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
121-N1	Animal Activity Area	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
121-N2	Animal Activity Area	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06

Table 5-122. Cancer Risks by DU for the Current Resident who Consumes Sturgeon

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
122-G1	Garden	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
122-G2	Garden	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	2E-07	1E-07	4E-07	1E-06	3E-06	4E-06
122-H1	House	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
122-H2	House	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
122-O1	Other -Not Specified	6E-06	3E-06	9E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
122-O2	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
122-P1	Play Area	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
123-G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
123-G2	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
123-H1	House	5E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
123-O1	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
123-O2	Other -Not Specified	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
124-G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
124-G2	Garden	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
124-H1	House	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
124-N1	Animal Activity Area	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
124-N2	Animal Activity Area	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
124-O1	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
125-O1	Other -Not Specified	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
126-A1	Agriculture	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
126-G1	Garden	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
126-G2	Garden	2E-06	7E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
126-H1	House	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
126-O1	Other -Not Specified	2E-06	8E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	2E-07	1E-06	3E-06	4E-06
126-O2	Other -Not Specified	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
126-O3	Other -Not Specified	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	3E-07	1E-06	3E-06	4E-06
126-P1	Play Area	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	1E-06	3E-06	5E-06
127-A1	Agriculture	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
127-G1	Garden	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
127-G2	Garden	4E-06	2E-06	5E-06	1E-05	1E-05	3E-05	3E-07	1E-07	5E-07	1E-06	3E-06	4E-06
127-H1	House	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
127-H2	House	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
127-N1	Animal Activity Area	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
128-G1	Garden	7E-06	3E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
128-G2	Garden	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	7E-07	1E-06	3E-06	5E-06
128-G3	Garden	7E-06	3E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
128-N1	Animal Activity Area	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
128-O1	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
129-H1	House	7E-06	3E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
129-H2	House	2E-06	7E-07	3E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
130-G1	Garden	1E-06	5E-07	2E-06	8E-06	1E-05	2E-05	1E-07	5E-08	1E-07	1E-06	3E-06	4E-06
130-H1	House	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
130-H2	House	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
131-H1	House	2E-06	7E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
132-G1	Garden	1E-06	5E-07	2E-06	8E-06	1E-05	2E-05	1E-07	5E-08	2E-07	1E-06	3E-06	4E-06

Table 5-122. Cancer Risks by DU for the Current Resident who Consumes Sturgeon

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
132-G2	Garden	2E-06	7E-07	3E-06	8E-06	1E-05	2E-05	2E-07	7E-08	2E-07	1E-06	3E-06	4E-06
132-H1	House	2E-06	8E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	2E-07	1E-06	3E-06	4E-06
132-O1	Other -Not Specified	7E-06	3E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
133-G1	Garden	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
133-H1	House	2E-05	6E-06	2E-05	2E-05	2E-05	4E-05	1E-06	7E-07	2E-06	1E-06	4E-06	6E-06
134-O1	Other -Not Specified	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
135-G1	Garden	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
135-H1	House	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
135-O1	Other -Not Specified	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
136-A1	Agriculture	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
136-G1	Garden	2E-06	1E-06	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
136-H1	House	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
136-O1	Other -Not Specified	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
137-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	2E-07	1E-07	4E-07	1E-06	3E-06	4E-06
137-O2	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
138-G1	Garden	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	2E-07	1E-07	4E-07	1E-06	3E-06	4E-06
138-G2	Garden	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
138-H1	House	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
138-O1	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
138-O2	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
139-G1	Garden	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
139-G2	Garden	2E-06	1E-06	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
139-H1	House	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
139-N1	Animal Activity Area	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	3E-06	6E-06
140-G1	Garden	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
140-H1[b]	House	2E-05	9E-06	3E-05	3E-05	2E-05	5E-05	2E-06	9E-07	3E-06	1E-06	4E-06	7E-06
140-O1	Other -Not Specified	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
140-O2[b]	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
141-A1	Agriculture	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
141-H1	House	7E-06	3E-06	9E-06	1E-05	2E-05	3E-05	5E-07	3E-07	8E-07	1E-06	3E-06	5E-06
141-H2	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
141-H3	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
141-N1	Animal Activity Area	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
141-N2	Animal Activity Area	2E-06	7E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
141-N3	Animal Activity Area	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	1E-06	3E-06	5E-06
141-N4	Animal Activity Area	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
141-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
142-H1	House	4E-06	2E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	5E-07	1E-06	3E-06	4E-06
142-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	2E-07	1E-07	4E-07	1E-06	3E-06	4E-06
143-A1	Agriculture	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
143-G1	Garden	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	2E-07	1E-07	4E-07	1E-06	3E-06	4E-06
143-G2	Garden	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
143-H1	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
144-G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
144-H1	House	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06

Table 5-122. Cancer Risks by DU for the Current Resident who Consumes Sturgeon

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
145-A1	Agriculture	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
145-H1	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
146G	Garden	3E-05	1E-05	4E-05	3E-05	2E-05	5E-05	2E-06	1E-06	3E-06	1E-06	4E-06	7E-06
146-H1	House	2E-06	1E-06	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
147-G1	Garden	4E-06	2E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	5E-07	1E-06	3E-06	4E-06
147-G2	Garden	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
147-H1	House	2E-06	7E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
148-H1	House	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	3E-07	1E-06	3E-06	4E-06
148-O1	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
148-O3	Other -Not Specified	6E-06	2E-06	9E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
149-A1	Agriculture	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
149-G1	Garden	5E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
149-G2	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
149-H1	House	4E-06	2E-06	5E-06	1E-05	1E-05	3E-05	3E-07	1E-07	5E-07	1E-06	3E-06	4E-06
149-N1	Animal Activity Area	2E-06	8E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	3E-07	1E-06	3E-06	4E-06
150-G1	Garden	2E-06	7E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
150-H1	House	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
151-H1	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	7E-07	1E-06	3E-06	5E-06
152-G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
152-H1	House	7E-06	3E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
153-G1	Garden	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	1E-06	3E-06	5E-06
153-H1	House	6E-06	3E-06	9E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
153-O1	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
153-O2	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	1E-06	3E-06	5E-06
153-O3	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	1E-06	3E-06	5E-06
153-O5	Other -Not Specified	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
153-O6	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	3E-06	5E-06
153-O7	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	1E-06	3E-06	5E-06
153-P1	Play Area	2E-06	7E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
154-G1	Garden	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
154-H1	House	6E-06	2E-06	9E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
155-G1	Garden	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
155-G2	Garden	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
155-H1	House	5E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
155-H2	House	6E-06	2E-06	9E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
155-O2	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
156-H1	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
156-O1	Other -Not Specified	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
157-G1	Garden	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
157-H1	House	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
157-H2	House	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
157-O1	Other -Not Specified	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	3E-07	1E-06	3E-06	4E-06
158-H1	House	2E-06	7E-07	3E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
158-O1	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
159-G1	Garden	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06

Table 5-122. Cancer Risks by DU for the Current Resident who Consumes Sturgeon

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
159-H1	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
159-H2	House	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
159-O1	Other -Not Specified	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
159-O2	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
160-G1	Garden	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
160-H1	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
160-H2	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
161-H1	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
161-N1	Animal Activity Area	2E-06	8E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	2E-07	1E-06	3E-06	4E-06
162-H1	House	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	3E-06	6E-06
163G	Garden	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	3E-07	1E-06	3E-06	4E-06
163-G1	Garden	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
163-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
164-H1	House	5E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
165-H1	House	8E-06	4E-06	1E-05	1E-05	2E-05	3E-05	5E-07	3E-07	8E-07	1E-06	3E-06	5E-06
165-O1	Other -Not Specified	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
166-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
167-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
167-O2	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
167-O3	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
167-O4	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
167-O5	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
167-O6	Other -Not Specified	9E-06	4E-06	1E-05	2E-05	2E-05	3E-05	7E-07	4E-07	1E-06	1E-06	3E-06	5E-06
167-O7	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	2E-07	1E-07	4E-07	1E-06	3E-06	4E-06
167-O8	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
167-O9	Other -Not Specified	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
168-G1	Garden	2E-06	8E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	2E-07	1E-06	3E-06	4E-06
168-G2	Garden	1E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	5E-08	2E-07	1E-06	3E-06	4E-06
168-H1	House	2E-06	8E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	3E-07	1E-06	3E-06	4E-06
168-N1	Animal Activity Area	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
168-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	7E-07	1E-06	3E-06	5E-06
169A	Other -Not Specified	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
169-G2	Garden	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
169-G3	Garden	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
169-G4	Garden	2E-06	7E-07	3E-06	9E-06	1E-05	2E-05	2E-07	7E-08	2E-07	1E-06	3E-06	4E-06
169-H1	House	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
170-G1	Garden	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
170-G2	Garden	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
170-H1	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
171-A1	Agriculture	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
171-G1	Garden	5E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
171-H1	House	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
172U	Other -Not Specified	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
173-G1	Garden	2E-06	8E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	2E-07	1E-06	3E-06	4E-06
173-G2	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	1E-06	3E-06	5E-06

Table 5-122. Cancer Risks by DU for the Current Resident who Consumes Sturgeon

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
173-G3	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
173-G4	Garden	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
173-G5	Garden	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
173-H1	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
173-P1	Play Area	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
174-A1	Agriculture	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
174-G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
174-H1	House	2E-06	8E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	3E-07	1E-06	3E-06	4E-06
174M	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	2E-07	1E-07	4E-07	1E-06	3E-06	4E-06
175-G1	Garden	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
175-G2	Garden	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
175-H1	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
176-A1	Agriculture	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
176G	Garden	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
176-H1	House	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
176-H2	House	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
176M	House	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
176-P1	Play Area	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
178-H1	House	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
179-H1	House	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	1E-06	3E-06	5E-06
180-H1	House	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
180-H2[b]	House	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
180-O1	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
181-A1	Agriculture	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
181-G1	Garden	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	1E-06	3E-06	5E-06
181-G2	Garden	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	1E-06	3E-06	5E-06
181-H1	House	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	1E-06	3E-06	5E-06
181-H2	House	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	1E-06	3E-06	5E-06
181-N1	Animal Activity Area	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	1E-06	3E-06	5E-06
181-N2	Animal Activity Area	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
181-O1	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
182-G1	Garden	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	1E-06	3E-06	5E-06
182-G2	Garden	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
182-H1	House	5E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
182-H2	House	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
182-O1	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	4E-07	1E-06	1E-06	3E-06	5E-06
182-O2	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
182-O3	Other -Not Specified	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
184-H1	House	4E-06	2E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	5E-07	1E-06	3E-06	4E-06
185-A1	Agriculture	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
185G	Garden	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
185-H1	House	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
186-O1	Other -Not Specified	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
187-H1	House	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
188-A1	Agriculture	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06

Table 5-122. Cancer Risks by DU for the Current Resident who Consumes Sturgeon

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
188-G1	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
188-G2	Garden	4E-06	2E-06	5E-06	1E-05	1E-05	3E-05	3E-07	1E-07	5E-07	1E-06	3E-06	4E-06
188-G3	Garden	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	3E-07	1E-06	3E-06	4E-06
188-H1	House	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
188-P1	Play Area	2E-06	1E-06	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
189-G1	Garden	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
189-H1	House	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
189-H2	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
189-O1	Other -Not Specified	1E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
190-G1	Garden	2E-06	7E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
190-H1	House	2E-06	7E-07	3E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
190-N1	Animal Activity Area	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
190-N2	Animal Activity Area	1E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
190-N3	Animal Activity Area	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
190-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
191-H1	House	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
192-A1	Agriculture	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
192-G1	Garden	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
192-H1	House	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
193-G1	Garden	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
193-H1	House	1E-06	5E-07	2E-06	8E-06	1E-05	2E-05	1E-07	5E-08	1E-07	1E-06	3E-06	4E-06
194-H1	House	2E-06	8E-07	3E-06	9E-06	1E-05	2E-05	2E-07	8E-08	2E-07	1E-06	3E-06	4E-06
194-N1	Animal Activity Area	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
195-G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	1E-06	3E-06	5E-06
195-G2	Garden	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
195-O1	Other -Not Specified	2E-06	9E-07	3E-06	9E-06	1E-05	2E-05	2E-07	9E-08	3E-07	1E-06	3E-06	4E-06
196-A1	Agriculture	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
196-A2	Agriculture	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
196-G1	Garden	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
196-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
197-H1	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
198-G1	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
198-H1	House	2E-06	7E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
199-G1	Garden	2E-06	7E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
199-O1	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
200-G1	Garden	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
200-H1	House	7E-06	3E-06	9E-06	1E-05	2E-05	3E-05	5E-07	3E-07	8E-07	1E-06	3E-06	5E-06
200-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
201G[b]	Garden	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	1E-06	3E-06	5E-06
201-O1	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	4E-06
202-H1	House	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
202-N1	Animal Activity Area	4E-06	2E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
202-O1	Other -Not Specified	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
203-H1[b]	House	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06

Table 5-122. Cancer Risks by DU for the Current Resident who Consumes Sturgeon

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
203-O1[b]	Other -Not Specified	2E-05	8E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	3E-06	1E-06	4E-06	6E-06
203-O2	Other -Not Specified	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
203-O3[b]	Other -Not Specified	2E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	7E-08	2E-07	1E-06	3E-06	4E-06
203-O4[b]	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	3E-06	6E-06
205-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
206-A1	Agriculture	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
206-G1	Garden	1E-06	6E-07	2E-06	8E-06	1E-05	2E-05	1E-07	6E-08	2E-07	1E-06	3E-06	4E-06
206-H1	House	5E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
206-H2	House	9E-06	4E-06	1E-05	2E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
206-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	2E-07	1E-07	4E-07	1E-06	3E-06	4E-06
207-O1	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
208AA	Animal Activity Area	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
208BM	House	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
208G	Garden	1E-05	4E-06	2E-05	2E-05	2E-05	3E-05	1E-06	4E-07	1E-06	1E-06	3E-06	5E-06
208-H1	House	6E-06	2E-06	9E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
209A	Agriculture	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
209-G1	Garden	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	3E-06	6E-06
209-H1	House	2E-05	6E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	4E-06	6E-06
209-P1	Play Area	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
210-H1	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
210-O1	Other -Not Specified	4E-06	2E-06	5E-06	1E-05	1E-05	3E-05	3E-07	1E-07	5E-07	1E-06	3E-06	4E-06
211-A1	Garden	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
211-G1	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
211-G2	Garden	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
211-H1	House	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
211-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
212-H1	House	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
212-H2	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
213-O1	Other -Not Specified	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
213-O2	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
213-O3	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	1E-06	3E-06	5E-06
21G	Garden	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	1E-06	3E-06	5E-06
230G	Garden	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
231Lower	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
238G	Garden	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
238M	Other -Not Specified	3E-06	1E-06	4E-06	9E-06	1E-05	2E-05	2E-07	1E-07	3E-07	1E-06	3E-06	4E-06
280yard	House	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
284M	House	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
285M	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
288G1	Garden	4E-06	1E-06	5E-06	1E-05	1E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
288G2	Garden	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	2E-07	1E-07	4E-07	1E-06	3E-06	4E-06
289G3	Garden	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
317M	Play Area	2E-05	8E-06	3E-05	3E-05	2E-05	5E-05	2E-06	9E-07	3E-06	1E-06	4E-06	7E-06
319M[b]	House	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
320new	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	3E-06	6E-06

Table 5-122. Cancer Risks by DU for the Current Resident who Consumes Sturgeon

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
35PA[b]	Play Area	3E-06	1E-06	4E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	1E-06	3E-06	4E-06
59A	House	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	3E-06	6E-06
62G	Garden	5E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
72M	Agriculture	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	1E-06	3E-06	5E-06
72U	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	3E-06	5E-06
94M	Agriculture	5E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
999G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
999M1	House	5E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	4E-06
999M2	Garden	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	2E-07	5E-07	1E-06	3E-06	4E-06
999M3	Other -Not Specified	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Cancer benchmark is HI≥1e-04.

Table 5-123. Cancer Risks by DU for the Current Resident who Consumes Sucker

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation		2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation		2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Sucker)		2E-05	2E-05	4E-05				2E-06	3E-06	4E-06			
Residential Soil/Dust[a]		Number of DUs that exceed benchmark[c]:						Number of DUs that exceed benchmark[c]:					
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
9	Agriculture	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
13	Other -Not Specified	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
14	Garden	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
15	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
16	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
17	Other -Not Specified	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
18[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
20[b]	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
21	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
22	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
25	House	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
27	Other -Not Specified	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
28	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
29	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
30	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
31	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
33	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
35[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
39[b]	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
40[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
42	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
44	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
46	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
47	Agriculture	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
49[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
55	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
56	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
58	Agriculture	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
59	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
60	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
61	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
62	House	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
66	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
67	Garden	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
70	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
71	Garden	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
72	Garden	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
75	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
82	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06

Table 5-123. Cancer Risks by DU for the Current Resident who Consumes Sucker

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
85	House	3E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
86	Agriculture	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
87	Agriculture	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
106	House	2E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
107	Garden	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
108	Garden	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
109[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
110	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
111	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
112	House	2E-05	7E-06	3E-05	4E-05	4E-05	8E-05	2E-06	9E-07	3E-06	3E-06	6E-06	1E-05
121	House	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
122	Other -Not Specified	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
123	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
135	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
146	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
147	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
151[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
152	Other -Not Specified	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
154	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
160	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
163	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
164	Agriculture	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
167	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
168	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
169	Other -Not Specified	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
170[b]	House	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
175	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
177	Agriculture	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
185	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
186	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
189	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
192	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
193	House	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
194[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
196[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
201	House	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
203[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
206	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
208	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
213	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
216	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
218[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
226C	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	7E-06
229	Play Area	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06

Table 5-123. Cancer Risks by DU for the Current Resident who Consumes Sucker

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
231	House	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06
246	Play Area	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
249	Other -Not Specified	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
250	House	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
253	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
280	Other -Not Specified	5E-06	2E-06	8E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
287	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
288	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
291	Agriculture	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
306	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
315	House	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
316	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
317	House	2E-05	6E-06	2E-05	4E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
318	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
319	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
325	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
326	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
327	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
345	Play Area	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
346	Garden	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
347	Other -Not Specified	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
801	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
1001	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
1005	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
1006	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
1007	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
1008	Agriculture	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
1010	Agriculture	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	3E-07	8E-07	3E-06	5E-06	8E-06
1011	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
1015	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
1017	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	7E-06
1018	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06
1020	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
1021[b]	House	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
1030[b]	Other -Not Specified	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
1035	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
1036	Play Area	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
1037	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
1060	House	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
3000	House	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
3001	Garden	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
3003	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
3004	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
075-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
075-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06

Table 5-123. Cancer Risks by DU for the Current Resident who Consumes Sucker

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
075-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
076-G1	Garden	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
076-G2	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
076-H1	House	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
076-H2	House	6E-06	3E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
076-N1	Animal Activity Area	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
077-A1	Agriculture	1E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	5E-08	2E-07	3E-06	5E-06	7E-06
077-A2	Agriculture	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
077-G1	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
077-H1	House	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
077-H2	House	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
077-N1	Animal Activity Area	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	3E-06	5E-06	7E-06
078-G1	Garden	1E-06	5E-07	2E-06	2E-05	3E-05	5E-05	9E-08	4E-08	1E-07	3E-06	5E-06	7E-06
078-H1	House	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
078-N1	Animal Activity Area	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
078-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
079-H1	House	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
079-H2	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
080-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
081-A1	Agriculture	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
081-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
081-O1	Other -Not Specified	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	3E-06	5E-06	7E-06
082-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
082-G2	Garden	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	3E-06	5E-06	7E-06
082-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
082-N1	Animal Activity Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
082-N2	Animal Activity Area	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
083-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
083-G2	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
083-H1	House	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
084-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
085-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
085-O1	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
085-P1	Play Area	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
086-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
086-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
086-H2	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	7E-06
087-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
087-O1	Other -Not Specified	9E-06	4E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
088-H1	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
088-H2	House	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
088-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
089-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
089-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
089-O1	Other -Not Specified	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06

Table 5-123. Cancer Risks by DU for the Current Resident who Consumes Sucker

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
090-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
090-O2	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
091-G1	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
091-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
092-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
092-O2	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
093-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
094-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
094-P1	Play Area	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	5E-07	3E-07	8E-07	3E-06	5E-06	8E-06
095-A1	Agriculture	6E-06	3E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
095-H1	House	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
095-O1	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
095-O2	Other -Not Specified	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
096-H1	House	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
096-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
097-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	7E-06
097-H2	House	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
098-G1	Garden	1E-06	5E-07	2E-06	2E-05	3E-05	5E-05	1E-07	5E-08	2E-07	3E-06	5E-06	7E-06
098-H1	House	1E-06	5E-07	2E-06	2E-05	3E-05	5E-05	1E-07	5E-08	2E-07	3E-06	5E-06	7E-06
098-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	7E-06
099-A1	Agriculture	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
099-G2	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
099-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
099-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
100-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
100-H1	House	4E-06	1E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
100-N1	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
100-N2	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
100-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
101-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
101-H1	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
101-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
102-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
102-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
103-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
103-O1	Other -Not Specified	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
104-H1	House	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
104-H2	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
104-N1	Animal Activity Area	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
105-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
105-P1	Play Area	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	3E-06	5E-06	7E-06
106-G1	Garden	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06
106-G2	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
106-H1	House	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	3E-06	5E-06	7E-06
106-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06

Table 5-123. Cancer Risks by DU for the Current Resident who Consumes Sucker

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
107-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
108-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
108-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
108-O2	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
109-H1[b]	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
110-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
110G	Garden	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
110-G1	Garden	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
110-G2	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
110-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
110-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
110-O2	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
111-H1	House	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
112G	Garden	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
112-G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
112-H1	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
112-O1	Other -Not Specified	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
113-G1	Garden	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
113-G2	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
113-G3	Garden	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
113low	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
113-O1	Other -Not Specified	2E-05	7E-06	3E-05	4E-05	4E-05	7E-05	2E-06	8E-07	2E-06	3E-06	6E-06	9E-06
113up	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
114-G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
114-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
114-O1	Other -Not Specified	2E-05	7E-06	3E-05	4E-05	4E-05	8E-05	2E-06	8E-07	2E-06	3E-06	6E-06	9E-06
115-O1	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
115SP	Other -Not Specified	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
116M	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
116-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
117-O1	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
118-G1	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
118-G2	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
118-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
118-N1	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
118-N2	Animal Activity Area	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
119-P1	Play Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
120-A1	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
120-G1	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
120-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
120-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	7E-06
121-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
121-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
121-N1	Animal Activity Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
121-N2	Animal Activity Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06

Table 5-123. Cancer Risks by DU for the Current Resident who Consumes Sucker

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
122-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
122-G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	7E-06
122-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
122-H2	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
122-O1	Other -Not Specified	6E-06	3E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
122-O2	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
122-P1	Play Area	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
123-G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
123-G2	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
123-H1	House	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
123-O1	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
123-O2	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
124-G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
124-G2	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
124-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
124-N1	Animal Activity Area	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
124-N2	Animal Activity Area	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
124-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
125-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
126-A1	Agriculture	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
126-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
126-G2	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
126-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
126-O1	Other -Not Specified	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06
126-O2	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
126-O3	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
126-P1	Play Area	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06
127-A1	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
127-G1	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
127-G2	Garden	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
127-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
127-H2	House	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
127-N1	Animal Activity Area	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
128-G1	Garden	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
128-G2	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06
128-G3	Garden	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
128-N1	Animal Activity Area	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
128-O1	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
129-H1	House	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
129-H2	House	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
130-G1	Garden	1E-06	5E-07	2E-06	2E-05	3E-05	5E-05	1E-07	5E-08	1E-07	3E-06	5E-06	7E-06
130-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
130-H2	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
131-H1	House	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
132-G1	Garden	1E-06	5E-07	2E-06	2E-05	3E-05	5E-05	1E-07	5E-08	2E-07	3E-06	5E-06	7E-06

Table 5-123. Cancer Risks by DU for the Current Resident who Consumes Sucker

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
132-G2	Garden	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	3E-06	5E-06	7E-06
132-H1	House	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06
132-O1	Other -Not Specified	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
133-G1	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
133-H1	House	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	7E-07	2E-06	3E-06	5E-06	9E-06
134-O1	Other -Not Specified	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
135-G1	Garden	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
135-H1	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
135-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
136-A1	Agriculture	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
136-G1	Garden	2E-06	1E-06	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
136-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
136-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
137-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	7E-06
137-O2	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
138-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	7E-06
138-G2	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
138-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
138-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
138-O2	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
139-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
139-G2	Garden	2E-06	1E-06	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
139-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
139-N1	Animal Activity Area	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
140-G1	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
140-H1[b]	House	2E-05	9E-06	3E-05	4E-05	4E-05	8E-05	2E-06	9E-07	3E-06	3E-06	6E-06	1E-05
140-O1	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
140-O2[b]	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
141-A1	Agriculture	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
141-H1	House	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	5E-07	3E-07	8E-07	3E-06	5E-06	8E-06
141-H2	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
141-H3	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
141-N1	Animal Activity Area	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
141-N2	Animal Activity Area	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
141-N3	Animal Activity Area	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06
141-N4	Animal Activity Area	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
141-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
142-H1	House	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
142-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	7E-06
143-A1	Agriculture	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
143-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	7E-06
143-G2	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
143-H1	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
144-G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
144-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06

Table 5-123. Cancer Risks by DU for the Current Resident who Consumes Sucker

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
145-A1	Agriculture	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
145-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
146G	Garden	3E-05	1E-05	4E-05	5E-05	4E-05	8E-05	2E-06	1E-06	3E-06	3E-06	6E-06	1E-05
146-H1	House	2E-06	1E-06	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
147-G1	Garden	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
147-G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
147-H1	House	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
148-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
148-O1	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
148-O3	Other -Not Specified	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
149-A1	Agriculture	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
149-G1	Garden	5E-06	2E-06	8E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
149-G2	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
149-H1	House	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
149-N1	Animal Activity Area	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
150-G1	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
150-H1	House	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
151-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06
152-G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
152-H1	House	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
153-G1	Garden	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
153-H1	House	6E-06	3E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
153-O1	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
153-O2	Other -Not Specified	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
153-O3	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
153-O5	Other -Not Specified	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
153-O6	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
153-O7	Other -Not Specified	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
153-P1	Play Area	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
154-G1	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
154-H1	House	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
155-G1	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
155-G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
155-H1	House	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
155-H2	House	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
155-O2	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
156-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
156-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
157-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
157-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
157-H2	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
157-O1	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
158-H1	House	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
158-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
159-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06

Table 5-123. Cancer Risks by DU for the Current Resident who Consumes Sucker

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
159-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
159-H2	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
159-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
159-O2	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
160-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
160-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
160-H2	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
161-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
161-N1	Animal Activity Area	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06
162-H1	House	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
163G	Garden	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
163-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
163-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
164-H1	House	5E-06	2E-06	8E-06	3E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
165-H1	House	8E-06	4E-06	1E-05	3E-05	3E-05	6E-05	5E-07	3E-07	8E-07	3E-06	5E-06	8E-06
165-O1	Other -Not Specified	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
166-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
167-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
167-O2	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
167-O3	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
167-O4	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
167-O5	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
167-O6	Other -Not Specified	9E-06	4E-06	1E-05	3E-05	3E-05	6E-05	7E-07	4E-07	1E-06	3E-06	5E-06	8E-06
167-O7	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	7E-06
167-O8	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
167-O9	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
168-G1	Garden	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06
168-G2	Garden	1E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	5E-08	2E-07	3E-06	5E-06	7E-06
168-H1	House	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
168-N1	Animal Activity Area	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
168-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06
169A	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
169-G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
169-G3	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
169-G4	Garden	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	3E-06	5E-06	7E-06
169-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
170-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
170-G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
170-H1	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
171-A1	Agriculture	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
171-G1	Garden	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
171-H1	House	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
172U	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
173-G1	Garden	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06
173-G2	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06

Table 5-123. Cancer Risks by DU for the Current Resident who Consumes Sucker

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
173-G3	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
173-G4	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
173-G5	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
173-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
173-P1	Play Area	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
174-A1	Agriculture	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
174-G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
174-H1	House	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
174M	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	7E-06
175-G1	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
175-G2	Garden	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
175-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
176-A1	Agriculture	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
176G	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
176-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
176-H2	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
176M	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
176-P1	Play Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
178-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
179-H1	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
180-H1	House	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
180-H2[b]	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
180-O1	Other -Not Specified	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
181-A1	Agriculture	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
181-G1	Garden	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
181-G2	Garden	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
181-H1	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
181-H2	House	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	3E-06	5E-06	8E-06
181-N1	Animal Activity Area	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
181-N2	Animal Activity Area	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
181-O1	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
182-G1	Garden	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
182-G2	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
182-H1	House	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
182-H2	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
182-O1	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	4E-07	1E-06	3E-06	5E-06	8E-06
182-O2	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
182-O3	Other -Not Specified	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
184-H1	House	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
185-A1	Agriculture	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
185G	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
185-H1	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
186-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
187-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
188-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06

Table 5-123. Cancer Risks by DU for the Current Resident who Consumes Sucker

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
188-G1	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
188-G2	Garden	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
188-G3	Garden	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
188-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
188-P1	Play Area	2E-06	1E-06	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
189-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
189-H1	House	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
189-H2	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
189-O1	Other -Not Specified	1E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
190-G1	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
190-H1	House	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
190-N1	Animal Activity Area	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
190-N2	Animal Activity Area	1E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
190-N3	Animal Activity Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
190-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
191-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
192-A1	Agriculture	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
192-G1	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
192-H1	House	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
193-G1	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
193-H1	House	1E-06	5E-07	2E-06	2E-05	3E-05	5E-05	1E-07	5E-08	1E-07	3E-06	5E-06	7E-06
194-H1	House	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06
194-N1	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
195-G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06
195-G2	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
195-O1	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
196-A1	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
196-A2	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
196-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
196-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
197-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
198-G1	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
198-H1	House	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
199-G1	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
199-O1	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
200-G1	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
200-H1	House	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	5E-07	3E-07	8E-07	3E-06	5E-06	8E-06
200-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
201G[b]	Garden	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
201-O1	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
202-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
202-N1	Animal Activity Area	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
202-O1	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
203-H1[b]	House	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06

Table 5-123. Cancer Risks by DU for the Current Resident who Consumes Sucker

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
203-O1[b]	Other -Not Specified	2E-05	8E-06	3E-05	4E-05	4E-05	8E-05	2E-06	8E-07	3E-06	3E-06	6E-06	1E-05
203-O2	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
203-O3[b]	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
203-O4[b]	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
205-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
206-A1	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
206-G1	Garden	1E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
206-H1	House	5E-06	2E-06	8E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
206-H2	House	9E-06	4E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
206-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	7E-06
207-O1	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
208AA	Animal Activity Area	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
208BM	House	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
208G	Garden	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	4E-07	1E-06	3E-06	5E-06	8E-06
208-H1	House	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
209A	Agriculture	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
209-G1	Garden	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
209-H1	House	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
209-P1	Play Area	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
210-H1	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
210-O1	Other -Not Specified	4E-06	2E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
211-A1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
211-G1	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
211-G2	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
211-H1	House	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
211-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
212-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
212-H2	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
213-O1	Other -Not Specified	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
213-O2	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
213-O3	Other -Not Specified	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
21G	Garden	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
230G	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
231Lower	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
238G	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
238M	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
280yard	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
284M	House	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
285M	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
288G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
288G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	7E-06
289G3	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
317M	Play Area	2E-05	8E-06	3E-05	4E-05	4E-05	8E-05	2E-06	9E-07	3E-06	3E-06	6E-06	1E-05
319M[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
320new	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06

Table 5-123. Cancer Risks by DU for the Current Resident who Consumes Sucker

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
35PA[b]	Play Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
59A	House	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
62G	Garden	5E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
72M	Agriculture	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
72U	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
94M	Agriculture	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
999G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
999M1	House	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
999M2	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
999M3	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Cancer benchmark is HI≥1e-04.

Table 5-124. Cancer Risks by DU for the Current Resident who Consumes Walleye

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation		2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation		2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Walleye)		7E-06	8E-06	1E-05				6E-07	1E-06	2E-06			
Residential Soil/Dust[a]		Number of DUs that exceed benchmark[c]:						Number of DUs that exceed benchmark[c]:					
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
9	Agriculture	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
13	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
14	Garden	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
15	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
16	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	4E-06	6E-06
17	Other -Not Specified	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
18[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
20[b]	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
21	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
22	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	4E-06	6E-06
25	House	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
27	Other -Not Specified	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
28	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
29	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	1E-06	3E-06	5E-06
30	Other -Not Specified	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
31	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
33	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	1E-06	4E-06	5E-06
35[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
39[b]	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
40[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
42	House	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
44	Agriculture	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
46	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
47	Agriculture	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
49[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
55	House	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
56	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
58	Agriculture	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
59	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
60	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
61	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
62	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
66	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	1E-06	4E-06	5E-06
67	Garden	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
70	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
71	Garden	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	1E-06	4E-06	6E-06
72	Garden	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	1E-06	4E-06	6E-06
75	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	1E-06	4E-06	6E-06
82	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06

Table 5-124. Cancer Risks by DU for the Current Resident who Consumes Walleye

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
85	House	3E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
86	Agriculture	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
87	Agriculture	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
106	House	2E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	1E-06	4E-06	6E-06
107	Garden	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	4E-06	6E-06
108	Garden	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	4E-06	6E-06
109[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
110	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
111	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
112	House	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	9E-07	3E-06	1E-06	4E-06	7E-06
121	House	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
122	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	1E-06	4E-06	6E-06
123	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	1E-06	4E-06	6E-06
135	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
146	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
147	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	1E-06	3E-06	5E-06
151[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
152	Other -Not Specified	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
154	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
160	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
163	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
164	Agriculture	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
167	Agriculture	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
168	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	4E-06	6E-06
169	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	1E-06	4E-06	6E-06
170[b]	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
175	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	3E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
177	Agriculture	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	4E-06	6E-06
185	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	1E-06	4E-06	6E-06
186	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
189	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	1E-06	4E-06	6E-06
192	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
193	House	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
194[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
196[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
201	House	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
203[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
206	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
208	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
213	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	4E-06	6E-06
216	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	4E-06	6E-06
218[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
226C	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	1E-06	3E-06	5E-06
229	Play Area	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	6E-06

Table 5-124. Cancer Risks by DU for the Current Resident who Consumes Walleye

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
231	House	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	1E-06	3E-06	5E-06
246	Play Area	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
249	Other -Not Specified	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
250	House	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
253	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	4E-06	6E-06
280	Other -Not Specified	5E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
287	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
288	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
291	Agriculture	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
306	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
315	House	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
316	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	1E-06	4E-06	6E-06
317	House	2E-05	6E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	1E-06	4E-06	6E-06
318	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	4E-06	6E-06
319	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
325	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
326	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
327	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
345	Play Area	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
346	Garden	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
347	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	1E-06	4E-06	6E-06
801	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	1E-06	4E-06	6E-06
1001	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
1005	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
1006	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
1007	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	1E-06	3E-06	5E-06
1008	Agriculture	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
1010	Agriculture	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	3E-07	8E-07	1E-06	3E-06	5E-06
1011	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
1015	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
1017	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	1E-06	3E-06	5E-06
1018	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	1E-06	3E-06	5E-06
1020	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
1021[b]	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
1030[b]	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	4E-06	5E-06
1035	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
1036	Play Area	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
1037	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
1060	House	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	1E-06	3E-06	5E-06
3000	House	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	4E-06	6E-06
3001	Garden	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	4E-06	6E-06
3003	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
3004	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
075-A1	Agriculture	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
075-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06

Table 5-124. Cancer Risks by DU for the Current Resident who Consumes Walleye

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
075-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
076-G1	Garden	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
076-G2	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
076-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
076-H2	House	6E-06	3E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
076-N1	Animal Activity Area	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
077-A1	Agriculture	1E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	2E-07	1E-06	3E-06	5E-06
077-A2	Agriculture	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
077-G1	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
077-H1	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
077-H2	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
077-N1	Animal Activity Area	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	1E-06	3E-06	5E-06
078-G1	Garden	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	9E-08	4E-08	1E-07	1E-06	3E-06	5E-06
078-H1	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
078-N1	Animal Activity Area	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
078-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
079-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
079-H2	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
080-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
081-A1	Agriculture	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
081-H1	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
081-O1	Other -Not Specified	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	1E-06	3E-06	5E-06
082-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
082-G2	Garden	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	1E-06	3E-06	5E-06
082-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
082-N1	Animal Activity Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
082-N2	Animal Activity Area	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
083-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
083-G2	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
083-H1	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
084-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
085-H1	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
085-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
085-P1	Play Area	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
086-G1	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
086-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
086-H2	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	1E-06	3E-06	5E-06
087-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
087-O1	Other -Not Specified	9E-06	4E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
088-H1	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
088-H2	House	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
088-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
089-A1	Agriculture	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
089-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
089-O1	Other -Not Specified	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	1E-06	3E-06	5E-06

Table 5-124. Cancer Risks by DU for the Current Resident who Consumes Walleye

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
090-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
090-O2	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
091-G1	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
091-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
092-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
092-O2	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
093-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
094-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
094-P1	Play Area	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	5E-07	3E-07	8E-07	1E-06	3E-06	5E-06
095-A1	Agriculture	6E-06	3E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
095-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
095-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
095-O2	Other -Not Specified	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
096-H1	House	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	4E-06	6E-06
096-O1	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
097-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	1E-06	3E-06	5E-06
097-H2	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
098-G1	Garden	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	2E-07	1E-06	3E-06	5E-06
098-H1	House	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	2E-07	1E-06	3E-06	5E-06
098-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	1E-06	3E-06	5E-06
099-A1	Agriculture	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
099-G2	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
099-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
099-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
100-G1	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	1E-06	3E-06	5E-06
100-H1	House	4E-06	1E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
100-N1	Animal Activity Area	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
100-N2	Animal Activity Area	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
100-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
101-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
101-H1	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
101-O1	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
102-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
102-H1	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
103-H1	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
103-O1	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	4E-06	6E-06
104-H1	House	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	6E-06
104-H2	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
104-N1	Animal Activity Area	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
105-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
105-P1	Play Area	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	1E-06	3E-06	5E-06
106-G1	Garden	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	1E-06	3E-06	5E-06
106-G2	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
106-H1	House	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	1E-06	3E-06	5E-06
106-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06

Table 5-124. Cancer Risks by DU for the Current Resident who Consumes Walleye

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
107-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
108-H1	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
108-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
108-O2	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
109-H1[b]	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
110-A1	Agriculture	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
110G	Garden	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	1E-06	3E-06	5E-06
110-G1	Garden	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
110-G2	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
110-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
110-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
110-O2	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
111-H1	House	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	4E-06	6E-06
112G	Garden	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
112-G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
112-H1	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	1E-06	4E-06	6E-06
112-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
113-G1	Garden	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	1E-06	4E-06	5E-06
113-G2	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
113-G3	Garden	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	4E-06	6E-06
113low	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
113-O1	Other -Not Specified	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	2E-06	1E-06	4E-06	7E-06
113up	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
114-G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
114-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
114-O1	Other -Not Specified	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	2E-06	1E-06	4E-06	7E-06
115-O1	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	4E-06	6E-06
115SP	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	1E-06	4E-06	6E-06
116M	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
116-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
117-O1	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	1E-06	3E-06	5E-06
118-G1	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
118-G2	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
118-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
118-N1	Animal Activity Area	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
118-N2	Animal Activity Area	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	4E-06	6E-06
119-P1	Play Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
120-A1	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
120-G1	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
120-H1	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
120-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	1E-06	3E-06	5E-06
121-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
121-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
121-N1	Animal Activity Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
121-N2	Animal Activity Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06

Table 5-124. Cancer Risks by DU for the Current Resident who Consumes Walleye

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
122-G1	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
122-G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	1E-06	3E-06	5E-06
122-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
122-H2	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
122-O1	Other -Not Specified	6E-06	3E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
122-O2	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
122-P1	Play Area	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
123-G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
123-G2	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
123-H1	House	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
123-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
123-O2	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
124-G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
124-G2	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
124-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
124-N1	Animal Activity Area	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
124-N2	Animal Activity Area	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
124-O1	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
125-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
126-A1	Agriculture	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
126-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
126-G2	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
126-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
126-O1	Other -Not Specified	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	1E-06	3E-06	5E-06
126-O2	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
126-O3	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	1E-06	3E-06	5E-06
126-P1	Play Area	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	1E-06	3E-06	5E-06
127-A1	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
127-G1	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
127-G2	Garden	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	1E-06	3E-06	5E-06
127-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
127-H2	House	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
127-N1	Animal Activity Area	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
128-G1	Garden	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
128-G2	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	1E-06	3E-06	5E-06
128-G3	Garden	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
128-N1	Animal Activity Area	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
128-O1	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
129-H1	House	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
129-H2	House	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
130-G1	Garden	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	1E-07	1E-06	3E-06	5E-06
130-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
130-H2	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
131-H1	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
132-G1	Garden	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	2E-07	1E-06	3E-06	5E-06

Table 5-124. Cancer Risks by DU for the Current Resident who Consumes Walleye

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
132-G2	Garden	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	1E-06	3E-06	5E-06
132-H1	House	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	1E-06	3E-06	5E-06
132-O1	Other -Not Specified	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
133-G1	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
133-H1	House	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	7E-07	2E-06	1E-06	4E-06	6E-06
134-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	4E-06	5E-06
135-G1	Garden	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
135-H1	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
135-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
136-A1	Agriculture	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
136-G1	Garden	2E-06	1E-06	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
136-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
136-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
137-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	1E-06	3E-06	5E-06
137-O2	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
138-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	1E-06	3E-06	5E-06
138-G2	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
138-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
138-O1	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
138-O2	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
139-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
139-G2	Garden	2E-06	1E-06	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
139-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
139-N1	Animal Activity Area	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	4E-06	6E-06
140-G1	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
140-H1[b]	House	2E-05	9E-06	3E-05	3E-05	2E-05	6E-05	2E-06	9E-07	3E-06	1E-06	4E-06	7E-06
140-O1	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
140-O2[b]	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
141-A1	Agriculture	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
141-H1	House	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	5E-07	3E-07	8E-07	1E-06	3E-06	5E-06
141-H2	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
141-H3	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
141-N1	Animal Activity Area	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
141-N2	Animal Activity Area	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
141-N3	Animal Activity Area	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	1E-06	3E-06	5E-06
141-N4	Animal Activity Area	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
141-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
142-H1	House	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	1E-06	3E-06	5E-06
142-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	1E-06	3E-06	5E-06
143-A1	Agriculture	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
143-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	1E-06	3E-06	5E-06
143-G2	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
143-H1	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
144-G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
144-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06

Table 5-124. Cancer Risks by DU for the Current Resident who Consumes Walleye

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
145-A1	Agriculture	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
145-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
146G	Garden	3E-05	1E-05	4E-05	3E-05	3E-05	6E-05	2E-06	1E-06	3E-06	1E-06	4E-06	8E-06
146-H1	House	2E-06	1E-06	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
147-G1	Garden	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	1E-06	3E-06	5E-06
147-G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
147-H1	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
148-H1	House	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	1E-06	3E-06	5E-06
148-O1	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
148-O3	Other -Not Specified	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
149-A1	Agriculture	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
149-G1	Garden	5E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
149-G2	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
149-H1	House	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	1E-06	3E-06	5E-06
149-N1	Animal Activity Area	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	1E-06	3E-06	5E-06
150-G1	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
150-H1	House	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
151-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	1E-06	3E-06	5E-06
152-G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
152-H1	House	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
153-G1	Garden	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	1E-06	4E-06	6E-06
153-H1	House	6E-06	3E-06	9E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
153-O1	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
153-O2	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	4E-06	6E-06
153-O3	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	1E-06	4E-06	6E-06
153-O5	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	4E-06	5E-06
153-O6	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	4E-06	6E-06
153-O7	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	4E-06	6E-06
153-P1	Play Area	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
154-G1	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
154-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
155-G1	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
155-G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
155-H1	House	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
155-H2	House	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
155-O2	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
156-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
156-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
157-G1	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
157-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
157-H2	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
157-O1	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	1E-06	3E-06	5E-06
158-H1	House	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
158-O1	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
159-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06

Table 5-124. Cancer Risks by DU for the Current Resident who Consumes Walleye

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
159-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
159-H2	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
159-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
159-O2	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
160-G1	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
160-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
160-H2	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
161-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
161-N1	Animal Activity Area	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	1E-06	3E-06	5E-06
162-H1	House	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	4E-06	6E-06
163G	Garden	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	1E-06	3E-06	5E-06
163-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
163-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
164-H1	House	5E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
165-H1	House	8E-06	4E-06	1E-05	2E-05	2E-05	4E-05	5E-07	3E-07	8E-07	1E-06	3E-06	5E-06
165-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
166-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
167-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
167-O2	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
167-O3	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
167-O4	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
167-O5	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
167-O6	Other -Not Specified	9E-06	4E-06	1E-05	2E-05	2E-05	4E-05	7E-07	4E-07	1E-06	1E-06	4E-06	6E-06
167-O7	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	1E-06	3E-06	5E-06
167-O8	Other -Not Specified	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
167-O9	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
168-G1	Garden	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	1E-06	3E-06	5E-06
168-G2	Garden	1E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	2E-07	1E-06	3E-06	5E-06
168-H1	House	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	1E-06	3E-06	5E-06
168-N1	Animal Activity Area	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
168-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	1E-06	3E-06	5E-06
169A	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
169-G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
169-G3	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
169-G4	Garden	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	2E-07	7E-08	2E-07	1E-06	3E-06	5E-06
169-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
170-G1	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
170-G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
170-H1	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
171-A1	Agriculture	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	1E-06	4E-06	5E-06
171-G1	Garden	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
171-H1	House	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	1E-06	3E-06	5E-06
172U	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
173-G1	Garden	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	1E-06	3E-06	5E-06
173-G2	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	1E-06	3E-06	5E-06

Table 5-124. Cancer Risks by DU for the Current Resident who Consumes Walleye

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
173-G3	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
173-G4	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
173-G5	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
173-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
173-P1	Play Area	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
174-A1	Agriculture	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
174-G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
174-H1	House	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	1E-06	3E-06	5E-06
174M	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	1E-06	3E-06	5E-06
175-G1	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
175-G2	Garden	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
175-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
176-A1	Agriculture	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
176G	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
176-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
176-H2	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
176M	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
176-P1	Play Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
178-H1	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
179-H1	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	4E-06	6E-06
180-H1	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
180-H2[b]	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
180-O1	Other -Not Specified	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
181-A1	Agriculture	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
181-G1	Garden	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	1E-06	4E-06	6E-06
181-G2	Garden	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	1E-06	4E-06	6E-06
181-H1	House	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	4E-06	6E-06
181-H2	House	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	1E-06	4E-06	6E-06
181-N1	Animal Activity Area	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	1E-06	4E-06	6E-06
181-N2	Animal Activity Area	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
181-O1	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
182-G1	Garden	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	4E-06	6E-06
182-G2	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
182-H1	House	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
182-H2	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
182-O1	Other -Not Specified	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	4E-07	1E-06	1E-06	4E-06	6E-06
182-O2	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
182-O3	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	4E-06	5E-06
184-H1	House	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	1E-06	3E-06	5E-06
185-A1	Agriculture	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
185G	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
185-H1	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	1E-06	4E-06	5E-06
186-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
187-H1	House	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
188-A1	Agriculture	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06

Table 5-124. Cancer Risks by DU for the Current Resident who Consumes Walleye

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
188-G1	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
188-G2	Garden	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	1E-06	3E-06	5E-06
188-G3	Garden	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	3E-07	1E-06	3E-06	5E-06
188-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
188-P1	Play Area	2E-06	1E-06	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
189-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
189-H1	House	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
189-H2	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
189-O1	Other -Not Specified	1E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
190-G1	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
190-H1	House	2E-06	7E-07	3E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
190-N1	Animal Activity Area	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
190-N2	Animal Activity Area	1E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
190-N3	Animal Activity Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
190-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
191-H1	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
192-A1	Agriculture	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
192-G1	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
192-H1	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
193-G1	Garden	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
193-H1	House	1E-06	5E-07	2E-06	1E-05	2E-05	3E-05	1E-07	5E-08	1E-07	1E-06	3E-06	5E-06
194-H1	House	2E-06	8E-07	3E-06	1E-05	2E-05	3E-05	2E-07	8E-08	2E-07	1E-06	3E-06	5E-06
194-N1	Animal Activity Area	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
195-G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	1E-06	3E-06	5E-06
195-G2	Garden	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
195-O1	Other -Not Specified	2E-06	9E-07	3E-06	1E-05	2E-05	3E-05	2E-07	9E-08	3E-07	1E-06	3E-06	5E-06
196-A1	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
196-A2	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
196-G1	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
196-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
197-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
198-G1	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
198-H1	House	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
199-G1	Garden	2E-06	7E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
199-O1	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
200-G1	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
200-H1	House	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	5E-07	3E-07	8E-07	1E-06	3E-06	5E-06
200-O1	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
201G[b]	Garden	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	4E-06	6E-06
201-O1	Other -Not Specified	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	1E-06	3E-06	5E-06
202-H1	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
202-N1	Animal Activity Area	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
202-O1	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
203-H1[b]	House	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06

Table 5-124. Cancer Risks by DU for the Current Resident who Consumes Walleye

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
203-O1[b]	Other -Not Specified	2E-05	8E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	3E-06	1E-06	4E-06	7E-06
203-O2	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
203-O3[b]	Other -Not Specified	2E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	7E-08	2E-07	1E-06	3E-06	5E-06
203-O4[b]	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	4E-06	6E-06
205-O1	Other -Not Specified	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
206-A1	Agriculture	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
206-G1	Garden	1E-06	6E-07	2E-06	1E-05	2E-05	3E-05	1E-07	6E-08	2E-07	1E-06	3E-06	5E-06
206-H1	House	5E-06	2E-06	8E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
206-H2	House	9E-06	4E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	6E-06
206-O1	Other -Not Specified	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	1E-06	3E-06	5E-06
207-O1	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
208AA	Animal Activity Area	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
208BM	House	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	3E-06	5E-06
208G	Garden	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	4E-07	1E-06	1E-06	4E-06	6E-06
208-H1	House	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
209A	Agriculture	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
209-G1	Garden	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	1E-06	4E-06	6E-06
209-H1	House	2E-05	6E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	1E-06	4E-06	6E-06
209-P1	Play Area	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
210-H1	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
210-O1	Other -Not Specified	4E-06	2E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	5E-07	1E-06	3E-06	5E-06
211-A1	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
211-G1	Garden	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
211-G2	Garden	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
211-H1	House	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
211-O1	Other -Not Specified	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
212-H1	House	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
212-H2	House	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
213-O1	Other -Not Specified	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	1E-06	4E-06	5E-06
213-O2	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
213-O3	Other -Not Specified	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	4E-06	6E-06
21G	Garden	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	4E-06	6E-06
230G	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
231Lower	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
238G	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
238M	Other -Not Specified	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	3E-07	1E-06	3E-06	5E-06
280yard	House	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
284M	House	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
285M	Other -Not Specified	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
288G1	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
288G2	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	2E-07	1E-07	4E-07	1E-06	3E-06	5E-06
289G3	Garden	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
317M	Play Area	2E-05	8E-06	3E-05	3E-05	2E-05	5E-05	2E-06	9E-07	3E-06	1E-06	4E-06	7E-06
319M[b]	House	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
320new	Other -Not Specified	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	4E-06	6E-06

Table 5-124. Cancer Risks by DU for the Current Resident who Consumes Walleye

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
35PA[b]	Play Area	3E-06	1E-06	4E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	1E-06	3E-06	5E-06
59A	House	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	1E-06	4E-06	6E-06
62G	Garden	5E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	1E-06	3E-06	5E-06
72M	Agriculture	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	1E-06	4E-06	6E-06
72U	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	1E-06	4E-06	5E-06
94M	Agriculture	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
999G1	Garden	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	1E-06	3E-06	5E-06
999M1	House	5E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	1E-06	3E-06	5E-06
999M2	Garden	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	1E-06	3E-06	5E-06
999M3	Other -Not Specified	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	1E-06	4E-06	5E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Cancer benchmark is HI≥1e-04.

Table 5-125. Cancer Risks by DU for the Current Resident who Consumes Whitefish

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation		2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation		2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Whitefish)		2E-05	2E-05	4E-05				2E-06	3E-06	4E-06			
Residential Soil/Dust[a]		Number of DUs that exceed benchmark[c]:						Number of DUs that exceed benchmark[c]:					
DU	DU Type	0	0	0	0	0	0	0	0	0	0	0	0
7[b]	Play Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
9	Agriculture	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
13	Other -Not Specified	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
14	Garden	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
15	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
16	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
17	Other -Not Specified	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
18[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
20[b]	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
21	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
22	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	9E-06
25	House	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
27	Other -Not Specified	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
28	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
29	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
30	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
31	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
33	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
35[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
39[b]	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
40[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
42	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
44	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
46	Other -Not Specified	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
47	Agriculture	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
49[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
55	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
56	Other -Not Specified	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
58	Agriculture	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
59	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
60	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
61	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
62	House	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
66	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
67	Garden	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
70	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
71	Garden	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
72	Garden	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
75	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
82	House	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06

Table 5-125. Cancer Risks by DU for the Current Resident who Consumes Whitefish

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
85	House	3E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
86	Agriculture	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
87	Agriculture	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
106	House	2E-05	5E-06	2E-05	4E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	6E-06	9E-06
107	Garden	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
108	Garden	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
109[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
110	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
111	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
112	House	2E-05	7E-06	3E-05	4E-05	4E-05	8E-05	2E-06	9E-07	3E-06	3E-06	6E-06	1E-05
121	House	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
122	Other -Not Specified	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
123	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
135	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
146	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
147	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
151[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
152	Other -Not Specified	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
154	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
160	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
163	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
164	Agriculture	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
167	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
168	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	9E-06
169	Other -Not Specified	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
170[b]	House	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
175	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
177	Agriculture	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
185	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
186	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
189	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
192	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
193	House	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
194[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
196[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
201	House	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
203[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
206	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
208	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
213	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
216	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
218[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
226C	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	8E-06
229	Play Area	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06

Table 5-125. Cancer Risks by DU for the Current Resident who Consumes Whitefish

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
231	House	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06
246	Play Area	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
249	Other -Not Specified	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
250	House	4E-06	1E-06	5E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
253	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
280	Other -Not Specified	5E-06	2E-06	8E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
287	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
288	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
291	Agriculture	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
306	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
315	House	4E-06	1E-06	5E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
316	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
317	House	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
318	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
319	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
325	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
326	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
327	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
345	Play Area	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
346	Garden	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
347	Other -Not Specified	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
801	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
1001	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
1005	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
1006	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
1007	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
1008	Agriculture	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
1010	Agriculture	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	3E-07	8E-07	3E-06	5E-06	8E-06
1011	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
1015	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
1017	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	8E-06
1018	Garden	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06
1020	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
1021[b]	House	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
1030[b]	Other -Not Specified	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
1035	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
1036	Play Area	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
1037	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
1060	House	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
3000	House	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
3001	Garden	1E-05	5E-06	2E-05	3E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
3003	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
3004	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
075-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
075-H1	House	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06

Table 5-125. Cancer Risks by DU for the Current Resident who Consumes Whitefish

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
075-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
076-G1	Garden	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
076-G2	Garden	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
076-H1	House	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
076-H2	House	6E-06	3E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
076-N1	Animal Activity Area	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
077-A1	Agriculture	1E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	5E-08	2E-07	3E-06	5E-06	7E-06
077-A2	Agriculture	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
077-G1	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
077-H1	House	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
077-H2	House	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
077-N1	Animal Activity Area	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	3E-06	5E-06	7E-06
078-G1	Garden	1E-06	5E-07	2E-06	2E-05	3E-05	5E-05	9E-08	4E-08	1E-07	3E-06	5E-06	7E-06
078-H1	House	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
078-N1	Animal Activity Area	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
078-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
079-H1	House	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
079-H2	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
080-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
081-A1	Agriculture	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
081-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
081-O1	Other -Not Specified	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	3E-06	5E-06	7E-06
082-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
082-G2	Garden	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	3E-06	5E-06	7E-06
082-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
082-N1	Animal Activity Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
082-N2	Animal Activity Area	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
083-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
083-G2	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
083-H1	House	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
084-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
085-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
085-O1	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
085-P1	Play Area	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
086-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
086-H1	House	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
086-H2	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	8E-06
087-H1	House	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
087-O1	Other -Not Specified	9E-06	4E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
088-H1	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
088-H2	House	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
088-O1	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
089-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
089-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
089-O1	Other -Not Specified	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06

Table 5-125. Cancer Risks by DU for the Current Resident who Consumes Whitefish

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
090-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
090-O2	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
091-G1	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
091-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
092-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
092-O2	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
093-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
094-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
094-P1	Play Area	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	5E-07	3E-07	8E-07	3E-06	5E-06	8E-06
095-A1	Agriculture	6E-06	3E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
095-H1	House	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
095-O1	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
095-O2	Other -Not Specified	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
096-H1	House	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	9E-07	4E-07	1E-06	3E-06	5E-06	9E-06
096-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	6E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
097-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	8E-06
097-H2	House	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
098-G1	Garden	1E-06	5E-07	2E-06	2E-05	3E-05	5E-05	1E-07	5E-08	2E-07	3E-06	5E-06	7E-06
098-H1	House	1E-06	5E-07	2E-06	2E-05	3E-05	5E-05	1E-07	5E-08	2E-07	3E-06	5E-06	7E-06
098-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	8E-06
099-A1	Agriculture	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
099-G2	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
099-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
099-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
100-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
100-H1	House	4E-06	1E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
100-N1	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
100-N2	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
100-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
101-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
101-H1	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
101-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
102-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
102-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
103-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
103-O1	Other -Not Specified	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
104-H1	House	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
104-H2	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
104-N1	Animal Activity Area	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
105-H1	House	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
105-P1	Play Area	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	3E-06	5E-06	7E-06
106-G1	Garden	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06
106-G2	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
106-H1	House	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	3E-06	5E-06	7E-06
106-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06

Table 5-125. Cancer Risks by DU for the Current Resident who Consumes Whitefish

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
107-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
108-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
108-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
108-O2	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
109-H1[b]	House	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
110-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
110G	Garden	4E-06	2E-06	5E-06	2E-05	3E-05	6E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
110-G1	Garden	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
110-G2	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
110-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
110-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
110-O2	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
111-H1	House	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
112G	Garden	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
112-G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
112-H1	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
112-O1	Other -Not Specified	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
113-G1	Garden	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
113-G2	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
113-G3	Garden	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
113low	Other -Not Specified	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
113-O1	Other -Not Specified	2E-05	7E-06	3E-05	4E-05	4E-05	8E-05	2E-06	8E-07	2E-06	3E-06	6E-06	1E-05
113up	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
114-G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
114-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
114-O1	Other -Not Specified	2E-05	7E-06	3E-05	4E-05	4E-05	8E-05	2E-06	8E-07	2E-06	3E-06	6E-06	1E-05
115-O1	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
115SP	Other -Not Specified	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
116M	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
116-O1	Other -Not Specified	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
117-O1	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
118-G1	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
118-G2	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
118-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
118-N1	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
118-N2	Animal Activity Area	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
119-P1	Play Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
120-A1	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
120-G1	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
120-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
120-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	8E-06
121-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
121-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
121-N1	Animal Activity Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
121-N2	Animal Activity Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06

Table 5-125. Cancer Risks by DU for the Current Resident who Consumes Whitefish

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
122-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
122-G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	8E-06
122-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
122-H2	House	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
122-O1	Other -Not Specified	6E-06	3E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
122-O2	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
122-P1	Play Area	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
123-G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
123-G2	Garden	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
123-H1	House	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
123-O1	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
123-O2	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
124-G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
124-G2	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
124-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
124-N1	Animal Activity Area	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
124-N2	Animal Activity Area	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
124-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	6E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
125-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
126-A1	Agriculture	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
126-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
126-G2	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
126-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
126-O1	Other -Not Specified	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06
126-O2	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
126-O3	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
126-P1	Play Area	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06
127-A1	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
127-G1	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
127-G2	Garden	4E-06	2E-06	5E-06	2E-05	3E-05	6E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
127-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
127-H2	House	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
127-N1	Animal Activity Area	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
128-G1	Garden	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
128-G2	Garden	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06
128-G3	Garden	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
128-N1	Animal Activity Area	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
128-O1	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
129-H1	House	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
129-H2	House	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
130-G1	Garden	1E-06	5E-07	2E-06	2E-05	3E-05	5E-05	1E-07	5E-08	1E-07	3E-06	5E-06	7E-06
130-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
130-H2	House	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
131-H1	House	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
132-G1	Garden	1E-06	5E-07	2E-06	2E-05	3E-05	5E-05	1E-07	5E-08	2E-07	3E-06	5E-06	7E-06

Table 5-125. Cancer Risks by DU for the Current Resident who Consumes Whitefish

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
132-G2	Garden	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	3E-06	5E-06	7E-06
132-H1	House	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06
132-O1	Other -Not Specified	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
133-G1	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
133-H1	House	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	7E-07	2E-06	3E-06	6E-06	9E-06
134-O1	Other -Not Specified	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
135-G1	Garden	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
135-H1	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
135-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
136-A1	Agriculture	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
136-G1	Garden	2E-06	1E-06	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
136-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
136-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
137-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	8E-06
137-O2	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
138-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	8E-06
138-G2	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
138-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
138-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
138-O2	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
139-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
139-G2	Garden	2E-06	1E-06	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
139-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
139-N1	Animal Activity Area	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
140-G1	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
140-H1[b]	House	2E-05	9E-06	3E-05	4E-05	4E-05	8E-05	2E-06	9E-07	3E-06	3E-06	6E-06	1E-05
140-O1	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
140-O2[b]	Other -Not Specified	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
141-A1	Agriculture	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
141-H1	House	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	5E-07	3E-07	8E-07	3E-06	5E-06	8E-06
141-H2	House	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
141-H3	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
141-N1	Animal Activity Area	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
141-N2	Animal Activity Area	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
141-N3	Animal Activity Area	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06
141-N4	Animal Activity Area	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
141-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
142-H1	House	4E-06	2E-06	5E-06	2E-05	3E-05	6E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
142-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	8E-06
143-A1	Agriculture	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
143-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	8E-06
143-G2	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
143-H1	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
144-G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
144-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06

Table 5-125. Cancer Risks by DU for the Current Resident who Consumes Whitefish

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
145-A1	Agriculture	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
145-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
146G	Garden	3E-05	1E-05	4E-05	5E-05	4E-05	9E-05	2E-06	1E-06	3E-06	3E-06	6E-06	1E-05
146-H1	House	2E-06	1E-06	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
147-G1	Garden	4E-06	2E-06	5E-06	2E-05	3E-05	6E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
147-G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
147-H1	House	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
148-H1	House	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
148-O1	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
148-O3	Other -Not Specified	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
149-A1	Agriculture	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
149-G1	Garden	5E-06	2E-06	8E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
149-G2	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
149-H1	House	4E-06	2E-06	5E-06	2E-05	3E-05	6E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
149-N1	Animal Activity Area	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
150-G1	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
150-H1	House	4E-06	1E-06	5E-06	2E-05	3E-05	6E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
151-H1	House	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06
152-G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
152-H1	House	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
153-G1	Garden	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
153-H1	House	6E-06	3E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
153-O1	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
153-O2	Other -Not Specified	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	9E-06
153-O3	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
153-O5	Other -Not Specified	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
153-O6	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
153-O7	Other -Not Specified	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	9E-06
153-P1	Play Area	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
154-G1	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
154-H1	House	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
155-G1	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
155-G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
155-H1	House	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
155-H2	House	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
155-O2	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
156-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
156-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
157-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
157-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
157-H2	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
157-O1	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
158-H1	House	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
158-O1	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	6E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
159-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06

Table 5-125. Cancer Risks by DU for the Current Resident who Consumes Whitefish

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
159-H1	House	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
159-H2	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
159-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
159-O2	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
160-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
160-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
160-H2	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
161-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
161-N1	Animal Activity Area	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06
162-H1	House	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
163G	Garden	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
163-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
163-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
164-H1	House	5E-06	2E-06	8E-06	3E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
165-H1	House	8E-06	4E-06	1E-05	3E-05	3E-05	6E-05	5E-07	3E-07	8E-07	3E-06	5E-06	8E-06
165-O1	Other -Not Specified	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
166-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
167-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
167-O2	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
167-O3	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
167-O4	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
167-O5	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
167-O6	Other -Not Specified	9E-06	4E-06	1E-05	3E-05	3E-05	6E-05	7E-07	4E-07	1E-06	3E-06	5E-06	8E-06
167-O7	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	8E-06
167-O8	Other -Not Specified	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
167-O9	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
168-G1	Garden	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06
168-G2	Garden	1E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	5E-08	2E-07	3E-06	5E-06	7E-06
168-H1	House	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
168-N1	Animal Activity Area	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
168-O1	Other -Not Specified	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06
169A	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
169-G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
169-G3	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
169-G4	Garden	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	2E-07	7E-08	2E-07	3E-06	5E-06	7E-06
169-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
170-G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	6E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
170-G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
170-H1	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
171-A1	Agriculture	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
171-G1	Garden	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
171-H1	House	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
172U	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
173-G1	Garden	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06
173-G2	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06

Table 5-125. Cancer Risks by DU for the Current Resident who Consumes Whitefish

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
173-G3	Garden	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
173-G4	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
173-G5	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
173-H1	House	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
173-P1	Play Area	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
174-A1	Agriculture	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
174-G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
174-H1	House	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
174M	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	8E-06
175-G1	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
175-G2	Garden	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
175-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
176-A1	Agriculture	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
176G	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
176-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
176-H2	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
176M	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
176-P1	Play Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
178-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
179-H1	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	9E-06
180-H1	House	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
180-H2[b]	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
180-O1	Other -Not Specified	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
181-A1	Agriculture	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
181-G1	Garden	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
181-G2	Garden	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
181-H1	House	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	9E-06
181-H2	House	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
181-N1	Animal Activity Area	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
181-N2	Animal Activity Area	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
181-O1	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
182-G1	Garden	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	9E-06
182-G2	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
182-H1	House	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
182-H2	House	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
182-O1	Other -Not Specified	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	4E-07	1E-06	3E-06	5E-06	9E-06
182-O2	Other -Not Specified	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
182-O3	Other -Not Specified	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
184-H1	House	4E-06	2E-06	5E-06	2E-05	3E-05	6E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
185-A1	Agriculture	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
185G	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
185-H1	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
186-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
187-H1	House	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
188-A1	Agriculture	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06

Table 5-125. Cancer Risks by DU for the Current Resident who Consumes Whitefish

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
188-G1	Garden	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
188-G2	Garden	4E-06	2E-06	5E-06	2E-05	3E-05	6E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
188-G3	Garden	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	3E-07	3E-06	5E-06	7E-06
188-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
188-P1	Play Area	2E-06	1E-06	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
189-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
189-H1	House	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
189-H2	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
189-O1	Other -Not Specified	1E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
190-G1	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
190-H1	House	2E-06	7E-07	3E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
190-N1	Animal Activity Area	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
190-N2	Animal Activity Area	1E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
190-N3	Animal Activity Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
190-O1	Other -Not Specified	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
191-H1	House	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
192-A1	Agriculture	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
192-G1	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
192-H1	House	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
193-G1	Garden	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
193-H1	House	1E-06	5E-07	2E-06	2E-05	3E-05	5E-05	1E-07	5E-08	1E-07	3E-06	5E-06	7E-06
194-H1	House	2E-06	8E-07	3E-06	2E-05	3E-05	5E-05	2E-07	8E-08	2E-07	3E-06	5E-06	7E-06
194-N1	Animal Activity Area	4E-06	1E-06	5E-06	2E-05	3E-05	6E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
195-G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06
195-G2	Garden	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
195-O1	Other -Not Specified	2E-06	9E-07	3E-06	2E-05	3E-05	5E-05	2E-07	9E-08	3E-07	3E-06	5E-06	7E-06
196-A1	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
196-A2	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
196-G1	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
196-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
197-H1	House	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
198-G1	Garden	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
198-H1	House	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
199-G1	Garden	2E-06	7E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
199-O1	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
200-G1	Garden	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
200-H1	House	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	5E-07	3E-07	8E-07	3E-06	5E-06	8E-06
200-O1	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
201G[b]	Garden	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	9E-06
201-O1	Other -Not Specified	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
202-H1	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
202-N1	Animal Activity Area	4E-06	2E-06	5E-06	2E-05	3E-05	6E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
202-O1	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
203-H1[b]	House	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06

Table 5-125. Cancer Risks by DU for the Current Resident who Consumes Whitefish

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
203-O1[b]	Other -Not Specified	2E-05	8E-06	3E-05	4E-05	4E-05	8E-05	2E-06	8E-07	3E-06	3E-06	6E-06	1E-05
203-O2	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
203-O3[b]	Other -Not Specified	2E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	7E-08	2E-07	3E-06	5E-06	7E-06
203-O4[b]	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
205-O1	Other -Not Specified	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
206-A1	Agriculture	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	7E-06
206-G1	Garden	1E-06	6E-07	2E-06	2E-05	3E-05	5E-05	1E-07	6E-08	2E-07	3E-06	5E-06	7E-06
206-H1	House	5E-06	2E-06	8E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
206-H2	House	9E-06	4E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
206-O1	Other -Not Specified	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	8E-06
207-O1	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
208AA	Animal Activity Area	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
208BM	House	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
208G	Garden	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	4E-07	1E-06	3E-06	5E-06	9E-06
208-H1	House	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
209A	Agriculture	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
209-G1	Garden	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
209-H1	House	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
209-P1	Play Area	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
210-H1	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
210-O1	Other -Not Specified	4E-06	2E-06	5E-06	2E-05	3E-05	6E-05	3E-07	1E-07	5E-07	3E-06	5E-06	8E-06
211-A1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	6E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
211-G1	Garden	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
211-G2	Garden	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
211-H1	House	4E-06	1E-06	5E-06	2E-05	3E-05	6E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
211-O1	Other -Not Specified	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
212-H1	House	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
212-H2	House	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
213-O1	Other -Not Specified	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
213-O2	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
213-O3	Other -Not Specified	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	9E-06
21G	Garden	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
230G	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
231Lower	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
238G	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
238M	Other -Not Specified	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	3E-07	3E-06	5E-06	8E-06
280yard	House	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
284M	House	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
285M	Other -Not Specified	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
288G1	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
288G2	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	2E-07	1E-07	4E-07	3E-06	5E-06	8E-06
289G3	Garden	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
317M	Play Area	2E-05	8E-06	3E-05	4E-05	4E-05	8E-05	2E-06	9E-07	3E-06	3E-06	6E-06	1E-05
319M[b]	House	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
320new	Other -Not Specified	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06

Table 5-125. Cancer Risks by DU for the Current Resident who Consumes Whitefish

		RME						CTE					
		Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
		Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
DU	DU Type												
35PA[b]	Play Area	3E-06	1E-06	4E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
59A	House	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
62G	Garden	5E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
72M	Agriculture	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	9E-06
72U	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
94M	Agriculture	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
999G1	Garden	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
999M1	House	5E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
999M2	Garden	4E-06	1E-06	5E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
999M3	Other -Not Specified	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]TCRA or VRA taken at this DU. The maximum backfill concentration from either the 2015 TCRA Final Completion Report or the 2017-2018 VRA Draft Completion Report is used as the EPC.

[c]Cancer benchmark is HI≥1e-04.

Table 5-126. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 202

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					Cancer Risk by Pathway		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 01	--	0 02	0 03	0 01	0 01	--	0 03	--	0 001	--	0 002	0 003	0 001	0 001	--	0 003	--	4E-07	2E-07	5E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 3	0 02	0 2	0 3	0 09	0 2	--	0 7	0 05	0 04	0 002	0 02	0 03	0 009	0 02	--	0 07	0 005	8E-06	3E-06	1E-05
Total HI Across Pathways																					Cancer Risk Across Pathways		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 4	2	0 3	0 3	0 2	3	1	1	0 2	0 05	0 9	0 04	0 03	0 06	1	0 4	0 4	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 5	0 6	0 4	0 3	0 2	1	0 7	4	0 2	0 08	0 2	0 06	0 04	0 04	0 7	0 3	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 4	1	0 3	0 3	0 2	2	NA	2	0 2	0 04	0 4	0 03	0 03	0 06	0 9	NA	0 6	0 2	1E-05	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 4	0 8	0 3	0 3	0 2	2	1	3	0 2	0 07	0 3	0 05	0 04	0 05	0 8	0 5	1	0 2	3E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 4	2	0 3	0 3	0 2	2	1	3	0 2	0 05	0 6	0 04	0 04	0 05	1	0 5	1	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 4	0 9	0 3	0 3	0 3	2	0 5	1	0 2	0 04	0 3	0 03	0 03	0 09	0 8	0 2	0 3	0 2	2E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 4	3	0 3	0 4	0 2	4	2	2	0 2	0 05	1	0 04	0 07	0 04	2	0 7	0 6	0 2	3E-05	3E-05	6E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 3	0 2	2	0 6	4	0 2	0 4	0 6	0 4	0 04	0 05	1	0 2	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 5	0 9	0 4	0 4	0 2	2	2	2	0 2	0 1	0 3	0 08	0 05	0 04	0 8	0 8	0 7	0 2	3E-05	3E-05	6E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-127. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 800B

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 02	--	0 03	0 05	0 02	0 02	--	0 05	--	0 002	--	0 002	0 005	0 001	0 002	--	0 005	--	6E-07	2E-07	8E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 3	0 01	0 2	0 3	0 1	0 1	--	0 7	0 06	0 03	0 001	0 01	0 03	0 009	0 01	--	0 07	0 006	9E-06	3E-06	1E-05
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 3	2	0 2	0 4	0 3	3	1	1	0 3	0 04	0 9	0 03	0 04	0 06	1	0 4	0 4	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 4	0 6	0 3	0 4	0 2	1	0 7	4	0 3	0 07	0 2	0 06	0 04	0 04	0 7	0 3	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 3	1	0 2	0 3	0 2	2	NA	2	0 3	0 03	0 4	0 02	0 03	0 06	0 9	NA	0 6	0 2	1E-05	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 4	0 8	0 3	0 4	0 2	1	1	3	0 3	0 06	0 3	0 05	0 04	0 05	0 8	0 5	1	0 2	3E-05	3E-05	6E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 3	2	0 2	0 4	0 2	2	1	3	0 3	0 05	0 6	0 03	0 04	0 05	1	0 5	1	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 3	0 9	0 2	0 3	0 3	2	0 5	1	0 3	0 03	0 3	0 02	0 03	0 09	0 8	0 2	0 3	0 2	2E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 3	3	0 2	0 5	0 2	4	2	2	0 3	0 05	1	0 03	0 07	0 04	2	0 7	0 6	0 2	3E-05	3E-05	6E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 4	0 2	2	0 6	4	0 3	0 4	0 6	0 4	0 04	0 05	1	0 2	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 5	0 9	0 4	0 4	0 2	2	2	2	0 3	0 1	0 3	0 08	0 06	0 04	0 8	0 8	0 7	0 2	3E-05	3E-05	6E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-128. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 204

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 009	--	0 01	0 02	0 008	0 009	--	0 02	--	0 001	--	0 001	0 002	0 0007	0 0008	--	0 002	--	3E-07	1E-07	5E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 2	0 02	0 4	0 3	0 02	0 3	--	0 2	0 008	0 02	0 002	0 04	0 02	0 002	0 03	--	0 02	0 0009	3E-06	1E-06	4E-06
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 3	2	0 5	0 3	0 2	3	1	1	0 2	0 03	0 9	0 05	0 03	0 05	1	0 4	0 3	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 3	0 6	0 5	0 3	0 1	1	0 7	3	0 2	0 06	0 2	0 08	0 03	0 03	0 7	0 3	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 2	1	0 4	0 3	0 2	2	NA	2	0 2	0 02	0 4	0 04	0 03	0 05	0 9	NA	0 5	0 2	6E-06	9E-06	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 3	0 8	0 5	0 3	0 1	2	1	3	0 2	0 06	0 3	0 07	0 04	0 04	0 8	0 5	0 9	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 3	2	0 5	0 3	0 1	3	1	3	0 2	0 04	0 6	0 05	0 03	0 04	1	0 5	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 2	0 9	0 4	0 3	0 2	2	0 5	0 8	0 2	0 02	0 3	0 04	0 03	0 08	0 8	0 2	0 2	0 2	1E-05	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 3	3	0 5	0 4	0 1	4	2	2	0 2	0 04	1	0 05	0 07	0 03	2	0 7	0 5	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 3	0 1	3	0 6	4	0 2	0 4	0 6	0 4	0 03	0 04	1	0 2	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 4	0 9	0 6	0 3	0 1	2	2	2	0 2	0 09	0 3	0 1	0 05	0 03	0 9	0 8	0 6	0 2	2E-05	3E-05	5E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-129. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 251B

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 01	--	0 02	0 04	0 02	0 02	--	0 04	--	0 002	--	0 002	0 004	0 002	0 002	--	0 004	--	6E-07	2E-07	8E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 2	0 01	0 2	0 2	0 03	0 1	--	0 4	0 03	0 02	0 001	0 02	0 02	0 003	0 01	--	0 04	0 003	4E-06	1E-06	5E-06
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 2	2	0 3	0 3	0 2	3	1	1	0 2	0 03	0 9	0 04	0 03	0 06	1	0 4	0 3	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 3	0 6	0 4	0 3	0 1	1	0 7	3	0 2	0 06	0 2	0 06	0 03	0 04	0 7	0 3	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 2	1	0 3	0 3	0 2	2	NA	2	0 2	0 02	0 4	0 03	0 03	0 05	0 9	NA	0 6	0 2	7E-06	9E-06	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 3	0 8	0 3	0 3	0 1	2	1	3	0 2	0 05	0 3	0 05	0 04	0 04	0 8	0 5	1	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 2	2	0 3	0 3	0 2	2	1	3	0 2	0 04	0 6	0 04	0 03	0 05	1	0 5	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 2	0 9	0 3	0 3	0 3	2	0 5	1	0 2	0 02	0 3	0 03	0 03	0 09	0 8	0 2	0 3	0 2	1E-05	1E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 3	3	0 3	0 4	0 1	4	2	2	0 2	0 04	1	0 04	0 07	0 04	2	0 7	0 5	0 2	2E-05	3E-05	6E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 3	0 1	2	0 6	4	0 2	0 4	0 6	0 4	0 03	0 04	1	0 2	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 4	0 9	0 4	0 4	0 1	2	2	2	0 2	0 09	0 3	0 08	0 05	0 03	0 8	0 8	0 7	0 2	2E-05	3E-05	6E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-130. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 255

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 02	--	0 03	0 05	0 03	0 02	--	0 06	--	0 002	--	0 003	0 005	0 003	0 002	--	0 006	--	8E-07	3E-07	1E-06
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 3	0 02	0 3	0 3	0 06	0 2	--	0 5	0 04	0 03	0 002	0 03	0 03	0 005	0 02	--	0 05	0 004	5E-06	2E-06	8E-06
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 4	2	0 3	0 4	0 2	3	1	1	0 2	0 04	0 9	0 04	0 04	0 06	1	0 4	0 3	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 4	0 6	0 4	0 4	0 2	1	0 7	3	0 2	0 07	0 2	0 07	0 04	0 04	0 7	0 3	1	0 2	2E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 3	1	0 3	0 4	0 2	2	NA	2	0 2	0 03	0 4	0 03	0 03	0 06	0 9	NA	0 6	0 2	9E-06	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 4	0 8	0 4	0 4	0 2	2	1	3	0 2	0 06	0 3	0 06	0 05	0 04	0 8	0 5	1	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 4	2	0 3	0 4	0 2	2	1	3	0 2	0 05	0 6	0 04	0 04	0 05	1	0 5	1	0 2	2E-05	2E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 3	0 9	0 3	0 4	0 3	2	0 5	1	0 2	0 03	0 3	0 03	0 03	0 09	0 8	0 2	0 3	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 4	3	0 3	0 5	0 2	4	2	2	0 2	0 05	1	0 04	0 08	0 04	2	0 7	0 6	0 2	3E-05	3E-05	6E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 4	0 2	3	0 6	4	0 2	0 4	0 6	0 4	0 04	0 04	1	0 2	1	0 2	2E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 5	0 9	0 5	0 4	0 2	2	2	2	0 2	0 1	0 3	0 09	0 06	0 04	0 8	0 8	0 7	0 2	3E-05	3E-05	6E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-131. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 195

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 02	--	0 04	0 05	0 05	0 03	--	0 05	--	0 002	--	0 004	0 005	0 004	0 002	--	0 005	--	7E-07	3E-07	9E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 3	0 02	0 3	0 3	0 04	0 3	--	0 4	0 02	0 03	0 002	0 03	0 02	0 004	0 03	--	0 04	0 002	4E-06	2E-06	6E-06
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 3	2	0 4	0 3	0 2	3	1	1	0 2	0 04	0 9	0 05	0 03	0 06	1	0 4	0 3	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 4	0 6	0 5	0 3	0 2	1	0 7	3	0 2	0 07	0 2	0 07	0 04	0 04	0 7	0 3	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 3	1	0 4	0 3	0 2	2	NA	2	0 2	0 03	0 4	0 04	0 03	0 06	0 9	NA	0 5	0 2	8E-06	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 4	0 8	0 5	0 4	0 2	2	1	3	0 2	0 06	0 3	0 07	0 04	0 04	0 8	0 5	0 9	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 3	2	0 4	0 3	0 2	3	1	3	0 2	0 04	0 6	0 05	0 04	0 05	1	0 5	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 3	0 9	0 4	0 3	0 3	2	0 5	1	0 2	0 03	0 3	0 04	0 03	0 09	0 8	0 2	0 3	0 2	1E-05	1E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 3	3	0 4	0 4	0 2	4	2	2	0 2	0 05	1	0 05	0 07	0 04	2	0 7	0 5	0 2	2E-05	3E-05	6E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 3	0 2	3	0 6	4	0 2	0 4	0 6	0 4	0 04	0 04	1	0 2	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 5	0 9	0 5	0 4	0 2	2	2	2	0 2	0 09	0 3	0 1	0 05	0 04	0 9	0 8	0 6	0 2	3E-05	3E-05	6E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-132. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 197

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 04	--	0 05	0 07	0 2	0 03	--	0 06	--	0 005	--	0 005	0 007	0 02	0 003	--	0 006	--	2E-06	6E-07	2E-06
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 2	0 02	0 3	0 3	0 01	0 2	--	0 2	0 005	0 02	0 002	0 03	0 02	0 001	0 02	--	0 02	0 0005	2E-06	8E-07	3E-06
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 2	2	0 4	0 3	0 3	3	1	1	0 2	0 03	0 9	0 04	0 03	0 07	1	0 4	0 3	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 3	0 6	0 4	0 4	0 3	1	0 7	3	0 2	0 06	0 2	0 07	0 04	0 05	0 7	0 3	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 2	1	0 3	0 3	0 3	2	NA	2	0 2	0 02	0 4	0 04	0 03	0 06	0 9	NA	0 5	0 2	6E-06	9E-06	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 3	0 8	0 4	0 4	0 3	2	1	3	0 2	0 05	0 3	0 06	0 04	0 05	0 8	0 5	0 9	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 3	2	0 4	0 3	0 3	2	1	3	0 2	0 04	0 6	0 04	0 04	0 06	1	0 5	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 2	0 9	0 3	0 3	0 4	2	0 5	0 8	0 2	0 02	0 3	0 04	0 03	0 1	0 8	0 2	0 2	0 2	1E-05	1E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 3	3	0 4	0 4	0 3	4	2	2	0 2	0 04	1	0 04	0 07	0 05	2	0 7	0 5	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 4	0 3	2	0 6	4	0 2	0 4	0 6	0 4	0 04	0 05	1	0 2	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 4	0 9	0 5	0 4	0 3	2	2	2	0 2	0 09	0 3	0 09	0 06	0 04	0 8	0 8	0 6	0 2	2E-05	3E-05	6E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-133. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 224

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 01	--	0 02	0 03	0 01	0 01	--	0 04	--	0 002	--	0 002	0 003	0 001	0 001	--	0 004	--	6E-07	2E-07	8E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 3	0 02	0 3	0 3	0 06	0 2	--	0 5	0 04	0 03	0 002	0 03	0 03	0 005	0 02	--	0 05	0 004	5E-06	2E-06	8E-06
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 3	2	0 3	0 3	0 2	3	1	1	0 2	0 04	0 9	0 04	0 03	0 06	1	0 4	0 3	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 4	0 6	0 4	0 4	0 2	1	0 7	3	0 2	0 07	0 2	0 07	0 04	0 04	0 7	0 3	1	0 2	2E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 3	1	0 3	0 3	0 2	2	NA	2	0 2	0 03	0 4	0 03	0 03	0 05	0 9	NA	0 6	0 2	8E-06	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 4	0 8	0 4	0 4	0 2	2	1	3	0 2	0 06	0 3	0 06	0 04	0 04	0 8	0 5	1	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 4	2	0 3	0 4	0 2	2	1	3	0 2	0 05	0 6	0 04	0 04	0 05	1	0 5	1	0 2	2E-05	2E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 3	0 9	0 3	0 3	0 3	2	0 5	1	0 2	0 03	0 3	0 03	0 03	0 09	0 8	0 2	0 3	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 4	3	0 3	0 4	0 2	4	2	2	0 2	0 05	1	0 04	0 07	0 04	2	0 7	0 6	0 2	3E-05	3E-05	6E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 4	0 2	3	0 6	4	0 2	0 4	0 6	0 4	0 04	0 04	1	0 2	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 5	0 9	0 5	0 4	0 1	2	2	2	0 2	0 1	0 3	0 09	0 06	0 03	0 8	0 8	0 7	0 2	3E-05	3E-05	6E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-134. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 324

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 02	--	0 02	0 03	0 01	0 02	--	0 04	--	0 002	--	0 002	0 003	0 0009	0 001	--	0 004	--	6E-07	2E-07	8E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 2	0 01	0 2	0 2	0 02	0 1	--	0 3	0 02	0 02	0 001	0 02	0 02	0 002	0 01	--	0 03	0 002	3E-06	1E-06	4E-06
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 2	2	0 3	0 3	0 2	3	1	1	0 2	0 03	0 9	0 04	0 03	0 05	1	0 4	0 3	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 3	0 6	0 3	0 3	0 1	1	0 7	3	0 2	0 06	0 2	0 06	0 03	0 03	0 7	0 3	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 2	1	0 2	0 3	0 2	2	NA	2	0 2	0 02	0 4	0 03	0 03	0 05	0 9	NA	0 5	0 2	6E-06	9E-06	1E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 2	0 8	0 3	0 3	0 1	2	1	3	0 2	0 05	0 3	0 05	0 04	0 04	0 8	0 5	0 9	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 2	2	0 3	0 3	0 1	2	1	3	0 2	0 03	0 6	0 03	0 03	0 05	1	0 5	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 2	0 9	0 2	0 3	0 2	2	0 5	1	0 2	0 02	0 3	0 03	0 03	0 08	0 8	0 2	0 3	0 2	1E-05	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 2	3	0 3	0 4	0 1	4	2	2	0 2	0 03	1	0 04	0 07	0 03	2	0 7	0 5	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 3	0 1	2	0 6	4	0 2	0 4	0 6	0 4	0 03	0 04	1	0 2	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 3	0 9	0 4	0 3	0 1	2	2	2	0 2	0 08	0 3	0 08	0 05	0 03	0 8	0 8	0 6	0 2	2E-05	3E-05	5E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-135. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 226

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					Cancer Risk by Pathway		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 02	--	0 03	0 04	0 03	0 02	--	0 04	--	0 002	--	0 002	0 004	0 003	0 002	--	0 004	--	7E-07	3E-07	9E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 3	0 02	0 3	0 2	0 08	0 3	--	0 6	0 03	0 03	0 002	0 03	0 02	0 008	0 03	--	0 06	0 003	7E-06	2E-06	9E-06
Total HI Across Pathways																					Cancer Risk Across Pathways		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 3	2	0 4	0 3	0 2	3	1	1	0 2	0 04	0 9	0 04	0 03	0 06	1	0 4	0 3	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 4	0 6	0 4	0 3	0 2	1	0 7	3	0 2	0 07	0 2	0 07	0 03	0 04	0 7	0 3	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 3	1	0 3	0 3	0 2	2	NA	2	0 2	0 03	0 4	0 03	0 03	0 06	0 9	NA	0 6	0 2	1E-05	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 4	0 8	0 4	0 3	0 2	2	1	3	0 2	0 06	0 3	0 06	0 04	0 05	0 8	0 5	1	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 3	2	0 4	0 3	0 2	3	1	3	0 2	0 05	0 6	0 04	0 03	0 05	1	0 5	1	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 3	0 9	0 3	0 3	0 3	2	0 5	1	0 2	0 03	0 3	0 03	0 03	0 09	0 8	0 2	0 3	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 3	3	0 4	0 4	0 2	4	2	2	0 2	0 05	1	0 04	0 07	0 04	2	0 7	0 6	0 2	3E-05	3E-05	6E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 3	0 2	3	0 6	4	0 2	0 4	0 6	0 4	0 03	0 05	1	0 2	1	0 2	2E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 5	0 9	0 5	0 3	0 2	2	2	2	0 2	0 1	0 3	0 09	0 05	0 04	0 8	0 8	0 7	0 2	3E-05	3E-05	6E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-136. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 226A

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 01	--	0 02	0 04	0 02	0 02	--	0 05	--	0 002	--	0 002	0 004	0 002	0 002	--	0 005	--	5E-07	2E-07	7E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 3	0 01	0 2	0 2	0 1	0 2	--	0 9	0 06	0 04	0 001	0 02	0 02	0 01	0 02	--	0 09	0 006	1E-05	4E-06	1E-05
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 4	2	0 3	0 3	0 3	3	1	2	0 3	0 05	0 9	0 03	0 03	0 07	1	0 4	0 4	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 4	0 6	0 3	0 3	0 2	1	0 7	4	0 3	0 07	0 2	0 06	0 03	0 05	0 7	0 3	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 3	1	0 2	0 2	0 3	2	NA	2	0 3	0 04	0 4	0 02	0 02	0 06	0 9	NA	0 6	0 2	1E-05	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 4	0 8	0 3	0 3	0 3	2	1	3	0 3	0 07	0 3	0 05	0 04	0 05	0 8	0 5	1	0 2	3E-05	3E-05	6E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 4	2	0 2	0 3	0 3	2	1	3	0 3	0 05	0 6	0 03	0 03	0 06	1	0 5	1	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 3	0 9	0 2	0 2	0 4	2	0 5	2	0 3	0 04	0 3	0 02	0 02	0 1	0 8	0 2	0 3	0 2	2E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 4	3	0 3	0 4	0 2	4	2	2	0 3	0 05	1	0 03	0 07	0 05	2	0 7	0 6	0 2	3E-05	3E-05	6E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 3	0 3	2	0 6	4	0 3	0 4	0 6	0 4	0 03	0 05	1	0 2	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 5	0 9	0 4	0 3	0 2	2	2	3	0 3	0 1	0 3	0 08	0 05	0 04	0 8	0 8	0 7	0 2	3E-05	3E-05	6E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-137. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 303

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					Cancer Risk by Pathway		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 02	--	0 03	0 05	0 02	0 02	--	0 05	--	0 002	--	0 002	0 004	0 002	0 002	--	0 005	--	8E-07	3E-07	1E-06
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 2	0 02	0 2	0 2	0 02	0 1	--	0 3	0 02	0 02	0 002	0 02	0 02	0 002	0 01	--	0 03	0 002	3E-06	1E-06	4E-06
Total HI Across Pathways																					Cancer Risk Across Pathways		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 2	2	0 3	0 3	0 2	3	1	1	0 2	0 03	0 9	0 04	0 03	0 05	1	0 4	0 3	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 3	0 6	0 4	0 3	0 1	1	0 7	3	0 2	0 06	0 2	0 06	0 03	0 03	0 7	0 3	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 2	1	0 3	0 3	0 2	2	NA	2	0 2	0 02	0 4	0 03	0 03	0 05	0 9	NA	0 5	0 2	6E-06	9E-06	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 3	0 8	0 3	0 3	0 1	2	1	3	0 2	0 05	0 3	0 05	0 04	0 04	0 8	0 5	0 9	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 2	2	0 3	0 3	0 2	2	1	3	0 2	0 03	0 6	0 04	0 03	0 05	1	0 5	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 2	0 9	0 3	0 3	0 3	2	0 5	1	0 2	0 02	0 3	0 03	0 03	0 08	0 8	0 2	0 3	0 2	1E-05	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 2	3	0 3	0 4	0 1	4	2	2	0 2	0 04	1	0 04	0 07	0 04	2	0 7	0 5	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 3	0 1	2	0 6	4	0 2	0 4	0 6	0 4	0 03	0 04	1	0 2	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 4	0 9	0 4	0 3	0 1	2	2	2	0 2	0 08	0 3	0 09	0 05	0 03	0 8	0 8	0 6	0 2	2E-05	3E-05	6E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-138. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 173

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					Cancer Risk by Pathway		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 02	--	0 02	0 04	0 02	0 02	--	0 05	--	0 002	--	0 002	0 004	0 001	0 002	--	0 005	--	7E-07	3E-07	9E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 2	0 02	0 2	0 5	0 08	0 2	--	0 6	0 1	0 03	0 002	0 02	0 05	0 007	0 01	--	0 06	0 01	7E-06	3E-06	1E-05
Total HI Across Pathways																					Cancer Risk Across Pathways		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 3	2	0 2	0 6	0 2	3	1	1	0 3	0 04	0 9	0 03	0 06	0 06	1	0 4	0 4	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 3	0 6	0 3	0 6	0 2	1	0 7	3	0 3	0 07	0 2	0 06	0 06	0 04	0 7	0 3	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 2	1	0 2	0 6	0 2	2	NA	2	0 3	0 03	0 4	0 02	0 06	0 06	0 9	NA	0 6	0 2	1E-05	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 3	0 8	0 3	0 6	0 2	2	1	3	0 3	0 06	0 3	0 05	0 07	0 05	0 8	0 5	1	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 3	2	0 2	0 6	0 2	2	1	3	0 3	0 04	0 6	0 03	0 06	0 05	1	0 5	1	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 2	0 9	0 2	0 6	0 3	2	0 5	1	0 3	0 03	0 3	0 02	0 06	0 09	0 8	0 2	0 3	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 3	3	0 2	0 7	0 2	4	2	2	0 3	0 04	1	0 03	0 1	0 04	2	0 7	0 6	0 2	3E-05	3E-05	6E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 6	0 2	2	0 6	4	0 3	0 4	0 6	0 4	0 06	0 04	1	0 2	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 4	0 9	0 4	0 7	0 2	2	2	2	0 3	0 09	0 3	0 08	0 08	0 04	0 8	0 8	0 7	0 2	3E-05	3E-05	6E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-139. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 1000

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					Cancer Risk by Pathway		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 03	--	0 02	0 05	0 03	0 02	--	0 05	--	0 003	--	0 002	0 005	0 003	0 002	--	0 006	--	1E-06	4E-07	2E-06
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 4	0 03	0 3	0 3	0 08	0 3	--	0 6	0 06	0 04	0 003	0 03	0 03	0 008	0 02	--	0 06	0 006	8E-06	3E-06	1E-05
Total HI Across Pathways																					Cancer Risk Across Pathways		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 4	2	0 4	0 4	0 3	3	1	1	0 3	0 05	0 9	0 05	0 04	0 06	1	0 4	0 3	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 5	0 6	0 5	0 4	0 2	1	0 7	3	0 3	0 08	0 2	0 07	0 04	0 04	0 7	0 3	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 4	1	0 4	0 4	0 2	2	NA	2	0 3	0 04	0 4	0 04	0 04	0 06	0 9	NA	0 6	0 2	1E-05	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 5	0 8	0 4	0 4	0 2	2	1	3	0 3	0 07	0 3	0 06	0 05	0 05	0 8	0 5	1	0 2	3E-05	3E-05	6E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 4	2	0 4	0 4	0 2	2	1	3	0 3	0 06	0 6	0 04	0 04	0 05	1	0 5	1	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 4	0 9	0 4	0 4	0 3	2	0 5	1	0 3	0 04	0 3	0 04	0 04	0 09	0 8	0 2	0 3	0 2	2E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 4	3	0 4	0 5	0 2	4	2	2	0 3	0 06	1	0 05	0 08	0 04	2	0 7	0 6	0 2	3E-05	3E-05	6E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 4	0 2	3	0 6	4	0 3	0 4	0 6	0 4	0 04	0 05	1	0 2	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 6	0 9	0 5	0 4	0 2	2	2	2	0 3	0 1	0 3	0 09	0 06	0 04	0 8	0 8	0 7	0 2	3E-05	3E-05	6E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-140. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 075-B1

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 01	--	0 03	0 05	0 04	0 02	--	0 03	--	0 001	--	0 003	0 004	0 004	0 002	--	0 003	--	4E-07	2E-07	5E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 3	0 02	0 2	0 3	0 05	0 2	--	0 5	0 05	0 04	0 001	0 02	0 02	0 005	0 02	--	0 05	0 005	4E-06	2E-06	6E-06
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 4	2	0 3	0 3	0 2	3	1	1	0 2	0 05	0 9	0 04	0 03	0 06	1	0 4	0 3	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 5	0 6	0 4	0 3	0 2	1	0 7	3	0 2	0 07	0 2	0 06	0 04	0 04	0 7	0 3	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 4	1	0 3	0 3	0 2	2	NA	2	0 2	0 04	0 4	0 03	0 03	0 06	0 9	NA	0 6	0 2	7E-06	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 4	0 8	0 4	0 3	0 2	2	1	3	0 2	0 07	0 3	0 06	0 04	0 04	0 8	0 5	1	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 4	2	0 3	0 3	0 2	2	1	3	0 2	0 05	0 6	0 04	0 03	0 05	1	0 5	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 4	0 9	0 3	0 3	0 3	2	0 5	1	0 2	0 04	0 3	0 03	0 03	0 09	0 8	0 2	0 3	0 2	1E-05	1E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 4	3	0 3	0 4	0 2	4	2	2	0 2	0 05	1	0 04	0 07	0 04	2	0 7	0 6	0 2	2E-05	3E-05	6E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 3	0 2	3	0 6	4	0 2	0 4	0 6	0 4	0 04	0 04	1	0 2	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 5	0 9	0 4	0 4	0 2	2	2	2	0 2	0 1	0 3	0 09	0 05	0 04	0 8	0 8	0 7	0 2	2E-05	3E-05	6E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-141. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 098-B1

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 01	--	0 02	0 04	0 006	0 05	--	0 04	--	0 001	--	0 002	0 003	0 0005	0 005	--	0 004	--	5E-07	2E-07	6E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 2	0 01	0 2	0 3	0 02	0 1	--	0 3	0 01	0 02	0 001	0 02	0 03	0 002	0 01	--	0 03	0 001	1E-06	5E-07	2E-06
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 2	2	0 3	0 3	0 2	3	1	1	0 2	0 03	0 9	0 04	0 03	0 05	1	0 4	0 3	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 3	0 6	0 3	0 3	0 1	1	0 7	3	0 2	0 06	0 2	0 06	0 04	0 03	0 7	0 3	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 2	1	0 2	0 3	0 2	2	NA	2	0 2	0 02	0 4	0 03	0 03	0 05	0 9	NA	0 5	0 2	4E-06	8E-06	1E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 2	0 8	0 3	0 4	0 1	2	1	3	0 2	0 05	0 3	0 05	0 04	0 04	0 8	0 5	0 9	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 2	2	0 3	0 3	0 1	2	1	3	0 2	0 03	0 6	0 03	0 04	0 04	1	0 5	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 2	0 9	0 2	0 3	0 2	2	0 5	0 9	0 2	0 02	0 3	0 03	0 03	0 08	0 8	0 2	0 2	0 2	8E-06	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 2	3	0 3	0 4	0 1	4	2	2	0 2	0 03	1	0 04	0 07	0 03	2	0 7	0 5	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 3	0 1	2	0 6	4	0 2	0 4	0 6	0 4	0 04	0 04	1	0 2	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 3	0 9	0 4	0 4	0 1	2	2	2	0 2	0 08	0 3	0 08	0 05	0 03	0 8	0 8	0 6	0 2	2E-05	3E-05	5E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-142. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 124-B1

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 01	--	0 03	0 05	0 01	0 02	--	0 05	--	0 001	--	0 002	0 005	0 001	0 002	--	0 005	--	4E-07	2E-07	6E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 3	0 04	0 5	0 5	0 02	0 3	--	0 5	0 03	0 04	0 004	0 05	0 05	0 002	0 03	--	0 05	0 003	5E-06	2E-06	7E-06
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 4	2	0 6	0 6	0 2	3	1	1	0 2	0 05	0 9	0 07	0 06	0 05	1	0 4	0 3	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 5	0 7	0 7	0 6	0 1	1	0 7	3	0 2	0 07	0 2	0 09	0 06	0 03	0 7	0 3	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 4	1	0 6	0 6	0 2	2	NA	2	0 2	0 04	0 4	0 06	0 05	0 05	0 9	NA	0 6	0 2	8E-06	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 4	0 8	0 6	0 6	0 1	2	1	3	0 2	0 07	0 3	0 08	0 07	0 04	0 8	0 5	1	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 4	2	0 6	0 6	0 1	3	1	3	0 2	0 05	0 6	0 06	0 06	0 05	1	0 5	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 4	0 9	0 6	0 6	0 3	2	0 5	1	0 2	0 04	0 3	0 06	0 05	0 08	0 8	0 2	0 3	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 4	3	0 6	0 7	0 1	4	2	2	0 2	0 05	1	0 07	0 1	0 03	2	0 7	0 6	0 2	2E-05	3E-05	6E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 6	0 1	3	0 6	4	0 2	0 4	0 6	0 4	0 06	0 04	1	0 2	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 5	1	0 7	0 6	0 1	2	2	2	0 2	0 1	0 3	0 1	0 08	0 03	0 9	0 8	0 7	0 2	3E-05	3E-05	6E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-143. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 131-B1

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 01	--	0 02	0 05	0 01	0 02	--	0 04	--	0 001	--	0 002	0 005	0 001	0 002	--	0 004	--	4E-07	2E-07	5E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 2	0 02	0 2	0 3	0 03	0 2	--	0 5	0 05	0 02	0 002	0 02	0 03	0 003	0 02	--	0 05	0 005	4E-06	2E-06	6E-06
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 3	2	0 3	0 4	0 2	3	1	1	0 2	0 04	0 9	0 04	0 04	0 05	1	0 4	0 3	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 3	0 6	0 4	0 4	0 1	1	0 7	3	0 2	0 06	0 2	0 06	0 04	0 03	0 7	0 3	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 2	1	0 3	0 4	0 2	2	NA	2	0 2	0 03	0 4	0 03	0 04	0 05	0 9	NA	0 6	0 2	7E-06	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 3	0 8	0 4	0 4	0 1	2	1	3	0 2	0 06	0 3	0 06	0 05	0 04	0 8	0 5	1	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 3	2	0 3	0 4	0 2	2	1	3	0 2	0 04	0 6	0 04	0 04	0 05	1	0 5	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 2	0 9	0 3	0 4	0 3	2	0 5	1	0 2	0 03	0 3	0 03	0 04	0 09	0 8	0 2	0 3	0 2	1E-05	1E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 3	3	0 3	0 5	0 1	4	2	2	0 2	0 04	1	0 04	0 08	0 04	2	0 7	0 6	0 2	2E-05	3E-05	6E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 4	0 1	2	0 6	4	0 2	0 4	0 6	0 4	0 04	0 04	1	0 2	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 4	0 9	0 4	0 4	0 1	2	2	2	0 2	0 09	0 3	0 09	0 06	0 03	0 8	0 8	0 7	0 2	2E-05	3E-05	6E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-144. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 157-B1

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 01	--	0 03	0 06	0 02	0 02	--	0 05	--	0 001	--	0 003	0 005	0 002	0 002	--	0 005	--	4E-07	2E-07	6E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 2	0 02	0 2	0 3	0 04	0 2	--	0 4	0 03	0 02	0 002	0 02	0 02	0 003	0 01	--	0 04	0 003	3E-06	1E-06	5E-06
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 2	2	0 3	0 3	0 2	3	1	1	0 2	0 03	0 9	0 04	0 03	0 06	1	0 4	0 3	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 3	0 6	0 4	0 3	0 1	1	0 7	3	0 2	0 06	0 2	0 06	0 04	0 04	0 7	0 3	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 2	1	0 3	0 3	0 2	2	NA	2	0 2	0 02	0 4	0 03	0 03	0 05	0 9	NA	0 6	0 2	6E-06	9E-06	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 3	0 8	0 4	0 4	0 1	2	1	3	0 2	0 05	0 3	0 06	0 04	0 04	0 8	0 5	1	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 2	2	0 3	0 3	0 2	2	1	3	0 2	0 03	0 6	0 04	0 04	0 05	1	0 5	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 2	0 9	0 3	0 3	0 3	2	0 5	1	0 2	0 02	0 3	0 03	0 03	0 09	0 8	0 2	0 3	0 2	1E-05	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 2	3	0 3	0 4	0 1	4	2	2	0 2	0 04	1	0 04	0 07	0 04	2	0 7	0 5	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 3	0 1	2	0 6	4	0 2	0 4	0 6	0 4	0 04	0 04	1	0 2	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 4	0 9	0 4	0 4	0 1	2	2	2	0 2	0 08	0 3	0 09	0 05	0 03	0 8	0 8	0 7	0 2	2E-05	3E-05	6E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-145. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 157-B2

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 009	--	0 03	0 05	0 01	0 02	--	0 06	--	0 001	--	0 003	0 005	0 001	0 002	--	0 006	--	4E-07	2E-07	5E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 2	0 02	0 2	0 3	0 04	0 2	--	0 4	0 03	0 02	0 002	0 02	0 02	0 003	0 01	--	0 04	0 003	3E-06	1E-06	5E-06
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 2	2	0 3	0 3	0 2	3	1	1	0 2	0 03	0 9	0 04	0 03	0 05	1	0 4	0 3	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 3	0 6	0 4	0 3	0 1	1	0 7	3	0 2	0 06	0 2	0 06	0 04	0 03	0 7	0 3	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 2	1	0 3	0 3	0 2	2	NA	2	0 2	0 02	0 4	0 03	0 03	0 05	0 9	NA	0 6	0 2	6E-06	9E-06	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 3	0 8	0 4	0 4	0 1	2	1	3	0 2	0 05	0 3	0 06	0 04	0 04	0 8	0 5	1	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 2	2	0 3	0 3	0 2	2	1	3	0 2	0 03	0 6	0 04	0 04	0 05	1	0 5	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 2	0 9	0 3	0 3	0 3	2	0 5	1	0 2	0 02	0 3	0 03	0 03	0 09	0 8	0 2	0 3	0 2	1E-05	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 2	3	0 3	0 4	0 1	4	2	2	0 2	0 04	1	0 04	0 07	0 04	2	0 7	0 5	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 3	0 1	2	0 6	4	0 2	0 4	0 6	0 4	0 04	0 04	1	0 2	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 4	0 9	0 4	0 4	0 1	2	2	2	0 2	0 08	0 3	0 09	0 05	0 03	0 8	0 8	0 7	0 2	2E-05	3E-05	5E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-146. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Resident with Residential Beach DU 171-B1

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Outdoor Air	Inhalation		--	--	--	--	--	0 03	--	--	0 01	--	--	--	--	--	0 05	--	--	0 02	2E-07	1E-06	1E-06
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 2	--	--	--	--	--	0 3	--	--	0 2	2E-06	7E-06	9E-06
Surface Water	Incidental Ingestion and Dermal		0 001	--	0 02	0 006	0 004	0 08	--	0 01	0 01	0 0004	--	0 005	0 002	0 001	0 03	--	0 005	0 003	5E-08	5E-08	1E-07
Residential Beach Sediment	Incidental Ingestion and Dermal		0 004	--	0 02	0 03	0 003	0 01	--	0 02	--	0 0005	--	0 002	0 003	0 0003	0 001	--	0 002	--	2E-07	7E-08	2E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 3	0 03	0 3	0 4	0 08	0 2	--	0 6	0 08	0 03	0 002	0 03	0 03	0 007	0 02	--	0 06	0 008	4E-06	2E-06	6E-06
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 3	2	0 4	0 4	0 2	3	1	1	0 3	0 04	0 9	0 05	0 04	0 06	1	0 4	0 4	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 4	0 6	0 5	0 4	0 2	1	0 7	3	0 3	0 07	0 2	0 07	0 04	0 04	0 7	0 3	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 3	1	0 4	0 4	0 2	2	NA	2	0 3	0 03	0 4	0 04	0 04	0 05	0 9	NA	0 6	0 2	7E-06	1E-05	2E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 4	0 8	0 5	0 4	0 2	2	1	3	0 3	0 06	0 3	0 06	0 05	0 04	0 8	0 5	1	0 2	2E-05	3E-05	5E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 3	2	0 4	0 4	0 2	2	1	3	0 3	0 05	0 6	0 05	0 04	0 05	1	0 5	1	0 2	2E-05	2E-05	4E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 3	0 9	0 4	0 4	0 3	2	0 5	1	0 3	0 03	0 3	0 04	0 04	0 09	0 8	0 2	0 3	0 2	1E-05	1E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 4	3	0 4	0 5	0 2	4	2	2	0 3	0 05	1	0 05	0 08	0 04	2	0 7	0 6	0 2	2E-05	3E-05	6E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			1	2	1	0 4	0 2	3	0 6	4	0 3	0 4	0 6	0 4	0 05	0 04	1	0 2	1	0 2	1E-05	2E-05	3E-05
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 5	0 9	0 5	0 5	0 2	2	2	2	0 3	0 1	0 3	0 1	0 06	0 04	0 8	0 8	0 7	0 2	2E-05	3E-05	6E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-147. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 202

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 002	--	0 005	0 007	0 003	0 003	--	0 008	--	0 0003	--	0 0006	0 0009	0 0004	0 0004	--	0 0009	--	3E-08	1E-08	4E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 09	0 005	0 07	0 08	0 03	0 05	--	0 2	0 01	0 01	0 0006	0 008	0 01	0 003	0 006	--	0 02	0 001	7E-07	3E-07	1E-06
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 1	0 7	0 08	0 09	0 07	1	0 3	0 4	0 2	0 01	0 3	0 01	0 01	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 1	0 2	0 1	0 09	0 05	0 5	0 2	1	0 2	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 1	0 3	0 07	0 09	0 07	0 7	NA	0 6	0 2	0 01	0 1	0 009	0 01	0 02	0 4	NA	0 2	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 1	0 2	0 09	0 1	0 06	0 6	0 4	0 9	0 2	0 02	0 09	0 02	0 01	0 01	0 4	0 1	0 3	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 1	0 5	0 08	0 09	0 06	0 9	0 4	0 9	0 2	0 02	0 2	0 01	0 01	0 02	0 5	0 2	0 3	0 1	3E-06	4E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 1	0 3	0 07	0 09	0 09	0 7	0 2	0 4	0 2	0 01	0 1	0 009	0 01	0 03	0 4	0 06	0 09	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 1	0 8	0 08	0 1	0 06	1	0 6	0 6	0 2	0 02	0 3	0 01	0 02	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 4	0 5	0 3	0 09	0 06	0 9	0 2	1	0 2	0 1	0 2	0 1	0 01	0 01	0 5	0 06	0 4	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 1	0 3	0 1	0 1	0 05	0 7	0 6	0 7	0 2	0 03	0 1	0 03	0 02	0 01	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-148. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 800B

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					Cancer Risk by Pathway		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 004	--	0 006	0 01	0 004	0 005	--	0 01	--	0 0004	--	0 0007	0 001	0 0004	0 0005	--	0 001	--	5E-08	2E-08	7E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 08	0 003	0 05	0 09	0 03	0 03	--	0 2	0 02	0 009	0 0004	0 005	0 01	0 003	0 004	--	0 02	0 002	8E-07	4E-07	1E-06
Total HI Across Pathways																					Cancer Risk Across Pathways		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 09	0 7	0 06	0 1	0 07	1	0 3	0 4	0 2	0 01	0 3	0 009	0 01	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 1	0 2	0 08	0 1	0 06	0 5	0 2	1	0 2	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 08	0 3	0 05	0 1	0 07	0 7	NA	0 6	0 2	0 01	0 1	0 006	0 01	0 02	0 4	NA	0 2	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 1	0 2	0 07	0 1	0 06	0 6	0 4	0 9	0 2	0 02	0 09	0 01	0 01	0 01	0 4	0 1	0 3	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 09	0 5	0 06	0 1	0 07	0 8	0 4	0 9	0 2	0 01	0 2	0 009	0 01	0 02	0 5	0 2	0 3	0 1	3E-06	4E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 08	0 3	0 05	0 1	0 1	0 7	0 2	0 4	0 2	0 01	0 1	0 006	0 01	0 03	0 4	0 06	0 09	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 09	0 8	0 06	0 1	0 06	1	0 6	0 6	0 2	0 01	0 3	0 009	0 02	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 4	0 5	0 3	0 1	0 06	0 9	0 2	1	0 2	0 1	0 2	0 1	0 01	0 01	0 5	0 06	0 4	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 1	0 3	0 1	0 1	0 05	0 7	0 6	0 7	0 2	0 03	0 1	0 02	0 02	0 01	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-149. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 204

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 002	--	0 004	0 006	0 002	0 002	--	0 006	--	0 0002	--	0 0004	0 0007	0 0002	0 0003	--	0 0007	--	3E-08	1E-08	4E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 07	0 007	0 1	0 08	0 006	0 1	--	0 07	0 002	0 008	0 0008	0 01	0 009	0 0007	0 01	--	0 008	0 0003	3E-07	1E-07	4E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 08	0 7	0 1	0 08	0 05	1	0 3	0 3	0 1	0 01	0 3	0 02	0 01	0 02	0 5	0 1	0 09	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 1	0 2	0 1	0 09	0 03	0 6	0 2	0 9	0 1	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 07	0 3	0 1	0 08	0 04	0 8	NA	0 5	0 1	0 008	0 1	0 01	0 01	0 01	0 4	NA	0 2	0 1	9E-07	2E-06	3E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 09	0 2	0 1	0 09	0 04	0 7	0 4	0 8	0 1	0 02	0 09	0 02	0 01	0 01	0 4	0 1	0 3	0 1	2E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 08	0 5	0 1	0 09	0 04	0 9	0 4	0 8	0 1	0 01	0 2	0 02	0 01	0 01	0 5	0 2	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 07	0 3	0 1	0 08	0 07	0 7	0 2	0 2	0 1	0 008	0 1	0 01	0 01	0 02	0 4	0 06	0 07	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 08	0 8	0 1	0 1	0 03	1	0 6	0 5	0 1	0 01	0 3	0 02	0 02	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 3	0 5	0 4	0 09	0 04	0 9	0 2	1	0 1	0 1	0 2	0 1	0 01	0 01	0 5	0 06	0 4	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 1	0 3	0 2	0 1	0 03	0 7	0 6	0 6	0 1	0 03	0 1	0 03	0 02	0 009	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-150. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 251B

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 003	--	0 006	0 01	0 005	0 004	--	0 01	--	0 0004	--	0 0007	0 001	0 0006	0 0005	--	0 001	--	4E-08	2E-08	6E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 05	0 004	0 06	0 07	0 008	0 04	--	0 1	0 009	0 006	0 0005	0 007	0 008	0 001	0 005	--	0 01	0 001	3E-07	2E-07	5E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 06	0 7	0 08	0 08	0 05	1	0 3	0 4	0 1	0 009	0 3	0 01	0 01	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 09	0 2	0 1	0 09	0 04	0 5	0 2	1	0 1	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 06	0 3	0 07	0 08	0 05	0 7	NA	0 5	0 1	0 007	0 1	0 008	0 01	0 02	0 4	NA	0 2	0 1	9E-07	2E-06	3E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 08	0 2	0 09	0 09	0 04	0 6	0 4	0 8	0 1	0 02	0 09	0 02	0 01	0 01	0 4	0 1	0 3	0 1	2E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 07	0 5	0 08	0 09	0 05	0 9	0 4	0 9	0 1	0 01	0 2	0 01	0 01	0 01	0 5	0 2	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 06	0 3	0 07	0 08	0 08	0 7	0 2	0 3	0 1	0 007	0 1	0 008	0 01	0 03	0 4	0 06	0 08	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 07	0 8	0 08	0 1	0 04	1	0 6	0 5	0 1	0 01	0 3	0 01	0 02	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 3	0 5	0 3	0 09	0 04	0 9	0 2	1	0 1	0 1	0 2	0 1	0 01	0 01	0 5	0 06	0 4	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 1	0 3	0 1	0 1	0 04	0 7	0 6	0 6	0 1	0 03	0 1	0 03	0 02	0 01	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-151. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 255

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 005	--	0 007	0 01	0 007	0 005	--	0 01	--	0 0006	--	0 0008	0 002	0 0008	0 0006	--	0 002	--	6E-08	3E-08	9E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 08	0 006	0 08	0 09	0 02	0 07	--	0 1	0 01	0 01	0 0007	0 009	0 01	0 002	0 009	--	0 02	0 001	5E-07	2E-07	7E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 1	0 7	0 1	0 1	0 06	1	0 3	0 4	0 2	0 01	0 3	0 01	0 01	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 1	0 2	0 1	0 1	0 05	0 6	0 2	1	0 2	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	2E-06	4E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 09	0 3	0 09	0 1	0 06	0 7	NA	0 5	0 2	0 01	0 1	0 01	0 01	0 02	0 4	NA	0 2	0 1	1E-06	2E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 1	0 2	0 1	0 1	0 05	0 6	0 4	0 9	0 2	0 02	0 09	0 02	0 02	0 01	0 4	0 1	0 3	0 1	3E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 1	0 5	0 09	0 1	0 06	0 9	0 4	0 9	0 2	0 01	0 2	0 01	0 01	0 02	0 5	0 2	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 09	0 3	0 09	0 1	0 09	0 7	0 2	0 3	0 2	0 01	0 1	0 01	0 01	0 03	0 4	0 06	0 08	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 1	0 8	0 1	0 1	0 05	1	0 6	0 5	0 2	0 01	0 3	0 01	0 02	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 4	0 5	0 4	0 1	0 05	0 9	0 2	1	0 2	0 1	0 2	0 1	0 01	0 01	0 5	0 06	0 4	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 1	0 3	0 1	0 1	0 05	0 7	0 6	0 6	0 2	0 03	0 1	0 03	0 02	0 01	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-152. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 195

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 004	--	0 01	0 01	0 01	0 006	--	0 01	--	0 0005	--	0 001	0 001	0 001	0 0007	--	0 001	--	5E-08	2E-08	7E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 08	0 006	0 1	0 08	0 01	0 08	--	0 1	0 005	0 009	0 0007	0 01	0 009	0 001	0 01	--	0 01	0 0006	4E-07	2E-07	6E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 09	0 7	0 1	0 09	0 06	1	0 3	0 3	0 1	0 01	0 3	0 02	0 01	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 1	0 2	0 1	0 1	0 05	0 6	0 2	0 9	0 1	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 08	0 3	0 1	0 09	0 06	0 7	NA	0 5	0 1	0 009	0 1	0 01	0 01	0 02	0 4	NA	0 2	0 1	1E-06	2E-06	3E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 1	0 2	0 1	0 1	0 05	0 6	0 4	0 8	0 1	0 02	0 09	0 02	0 01	0 01	0 4	0 1	0 3	0 1	2E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 09	0 5	0 1	0 09	0 06	0 9	0 4	0 9	0 1	0 01	0 2	0 02	0 01	0 02	0 5	0 2	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 08	0 3	0 1	0 09	0 09	0 7	0 2	0 3	0 1	0 009	0 1	0 01	0 01	0 03	0 4	0 06	0 08	0 1	1E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 09	0 8	0 1	0 1	0 05	1	0 6	0 5	0 1	0 01	0 3	0 02	0 02	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 4	0 5	0 4	0 1	0 05	0 9	0 2	1	0 1	0 1	0 2	0 1	0 01	0 01	0 5	0 06	0 4	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 1	0 3	0 2	0 1	0 04	0 7	0 6	0 6	0 1	0 03	0 1	0 03	0 02	0 01	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-153. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 197

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 01	--	0 01	0 02	0 04	0 009	--	0 01	--	0 001	--	0 001	0 002	0 005	0 001	--	0 002	--	1E-07	6E-08	2E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 05	0 006	0 08	0 08	0 004	0 06	--	0 05	0 001	0 006	0 0007	0 009	0 009	0 0004	0 007	--	0 006	0 0002	2E-07	9E-08	3E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 07	0 7	0 1	0 1	0 08	1	0 3	0 3	0 1	0 01	0 3	0 01	0 01	0 02	0 5	0 1	0 09	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 09	0 2	0 1	0 1	0 07	0 6	0 2	0 9	0 1	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 06	0 3	0 09	0 09	0 08	0 7	NA	0 5	0 1	0 007	0 1	0 01	0 01	0 02	0 4	NA	0 2	0 1	9E-07	2E-06	3E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 08	0 2	0 1	0 1	0 07	0 6	0 4	0 8	0 1	0 02	0 09	0 02	0 01	0 02	0 4	0 1	0 3	0 1	2E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 07	0 5	0 1	0 1	0 08	0 9	0 4	0 8	0 1	0 01	0 2	0 01	0 01	0 02	0 5	0 2	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 06	0 3	0 09	0 09	0 1	0 7	0 2	0 2	0 1	0 007	0 1	0 01	0 01	0 03	0 4	0 06	0 07	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 07	0 8	0 1	0 1	0 07	1	0 6	0 5	0 1	0 01	0 3	0 01	0 02	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 3	0 5	0 4	0 1	0 07	0 9	0 2	1	0 1	0 1	0 2	0 1	0 01	0 02	0 5	0 06	0 4	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 1	0 3	0 1	0 1	0 07	0 7	0 6	0 5	0 1	0 03	0 1	0 03	0 02	0 01	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-154. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 224

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 003	--	0 005	0 008	0 003	0 004	--	0 01	--	0 0004	--	0 0006	0 001	0 0003	0 0004	--	0 001	--	4E-08	2E-08	7E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 08	0 006	0 08	0 09	0 02	0 07	--	0 1	0 01	0 01	0 0007	0 009	0 01	0 002	0 009	--	0 02	0 001	5E-07	2E-07	7E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 09	0 7	0 09	0 1	0 06	1	0 3	0 4	0 2	0 01	0 3	0 01	0 01	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 1	0 2	0 1	0 1	0 04	0 6	0 2	1	0 2	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 09	0 3	0 09	0 1	0 06	0 7	NA	0 5	0 2	0 01	0 1	0 01	0 01	0 02	0 4	NA	0 2	0 1	1E-06	2E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 1	0 2	0 1	0 1	0 05	0 6	0 4	0 9	0 2	0 02	0 09	0 02	0 01	0 01	0 4	0 1	0 3	0 1	3E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 1	0 5	0 09	0 1	0 05	0 9	0 4	0 9	0 2	0 01	0 2	0 01	0 01	0 01	0 5	0 2	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 09	0 3	0 09	0 1	0 08	0 7	0 2	0 3	0 2	0 01	0 1	0 01	0 01	0 03	0 4	0 06	0 08	0 1	1E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 1	0 8	0 09	0 1	0 04	1	0 6	0 5	0 2	0 01	0 3	0 01	0 02	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 4	0 5	0 4	0 1	0 05	0 9	0 2	1	0 2	0 1	0 2	0 1	0 01	0 01	0 5	0 06	0 4	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 1	0 3	0 1	0 1	0 04	0 7	0 6	0 6	0 2	0 03	0 1	0 03	0 02	0 01	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-155. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 324

	Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
Media	**Pathway**	**Non-Cancer Child HI**									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																				**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion	0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion	0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion	ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion	0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion	0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion	ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion	0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion	0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion	0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation	--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation	--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal	0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal	0 003	--	0 005	0 007	0 002	0 004	--	0 01	--	0 0004	--	0 0006	0 0008	0 0003	0 0005	--	0 001	--	4E-08	2E-08	7E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal	0 04	0 004	0 06	0 07	0 005	0 03	--	0 1	0 004	0 005	0 0005	0 007	0 008	0 0006	0 004	--	0 01	0 0005	2E-07	1E-07	4E-07
Total HI Across Pathways																				**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)		0 05	0 7	0 07	0 08	0 05	1	0 3	0 3	0 1	0 008	0 3	0 01	0 009	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)		0 08	0 2	0 09	0 08	0 03	0 5	0 2	0 9	0 1	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)		0 05	0 3	0 07	0 07	0 04	0 7	NA	0 5	0 1	0 005	0 1	0 008	0 009	0 01	0 4	NA	0 2	0 1	9E-07	2E-06	3E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)		0 07	0 2	0 09	0 08	0 04	0 6	0 4	0 8	0 1	0 01	0 09	0 02	0 01	0 01	0 4	0 1	0 3	0 1	2E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)		0 06	0 5	0 07	0 08	0 04	0 8	0 4	0 9	0 1	0 009	0 2	0 01	0 01	0 01	0 5	0 2	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)		0 05	0 3	0 07	0 07	0 07	0 7	0 2	0 3	0 1	0 005	0 1	0 008	0 009	0 02	0 4	0 06	0 08	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)		0 06	0 8	0 07	0 1	0 03	1	0 6	0 5	0 1	0 01	0 3	0 01	0 02	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)		0 3	0 5	0 3	0 08	0 04	0 9	0 2	1	0 1	0 1	0 2	0 1	0 01	0 01	0 5	0 06	0 4	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)		0 1	0 3	0 1	0 09	0 03	0 7	0 6	0 6	0 1	0 02	0 1	0 02	0 02	0 009	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-156. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 226

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 004	--	0 006	0 01	0 008	0 004	--	0 01	--	0 0005	--	0 0007	0 001	0 0009	0 0005	--	0 001	--	5E-08	2E-08	7E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 08	0 005	0 08	0 07	0 02	0 08	--	0 2	0 009	0 009	0 0006	0 01	0 008	0 003	0 009	--	0 02	0 001	6E-07	3E-07	8E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 09	0 7	0 1	0 08	0 07	1	0 3	0 4	0 1	0 01	0 3	0 01	0 01	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 1	0 2	0 1	0 08	0 06	0 6	0 2	1	0 1	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	2E-06	4E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 08	0 3	0 09	0 08	0 07	0 7	NA	0 6	0 1	0 01	0 1	0 01	0 009	0 02	0 4	NA	0 2	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 1	0 2	0 1	0 09	0 06	0 6	0 4	0 9	0 1	0 02	0 09	0 02	0 01	0 01	0 4	0 1	0 3	0 1	3E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 09	0 5	0 1	0 08	0 07	0 9	0 4	0 9	0 1	0 01	0 2	0 01	0 01	0 02	0 5	0 2	0 3	0 1	2E-06	4E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 08	0 3	0 09	0 08	0 1	0 7	0 2	0 3	0 1	0 01	0 1	0 01	0 009	0 03	0 4	0 06	0 08	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 09	0 8	0 1	0 1	0 06	1	0 6	0 6	0 1	0 01	0 3	0 01	0 02	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 4	0 5	0 4	0 08	0 06	0 9	0 2	1	0 1	0 1	0 2	0 1	0 01	0 01	0 5	0 06	0 4	0 1	2E-06	4E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 1	0 3	0 1	0 1	0 05	0 7	0 6	0 6	0 1	0 03	0 1	0 03	0 02	0 01	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-157. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 226A

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 003	--	0 006	0 01	0 004	0 004	--	0 01	--	0 0004	--	0 0007	0 001	0 0005	0 0005	--	0 001	--	4E-08	2E-08	6E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 09	0 004	0 05	0 06	0 04	0 06	--	0 3	0 02	0 01	0 0004	0 006	0 007	0 005	0 007	--	0 03	0 002	9E-07	4E-07	1E-06
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 1	0 7	0 07	0 07	0 09	1	0 3	0 5	0 2	0 01	0 3	0 01	0 009	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 1	0 2	0 09	0 07	0 07	0 5	0 2	1	0 2	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 09	0 3	0 06	0 07	0 08	0 7	NA	0 7	0 2	0 01	0 1	0 007	0 008	0 02	0 4	NA	0 2	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 1	0 2	0 08	0 08	0 08	0 6	0 4	1	0 2	0 02	0 09	0 01	0 01	0 02	0 4	0 1	0 3	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 1	0 5	0 07	0 07	0 08	0 9	0 4	1	0 2	0 01	0 2	0 009	0 01	0 02	0 5	0 2	0 3	0 1	3E-06	4E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 09	0 3	0 06	0 07	0 1	0 7	0 2	0 4	0 2	0 01	0 1	0 007	0 008	0 03	0 4	0 06	0 1	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 1	0 8	0 07	0 1	0 07	1	0 6	0 7	0 2	0 02	0 3	0 01	0 02	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 4	0 5	0 3	0 07	0 08	0 9	0 2	1	0 2	0 1	0 2	0 1	0 01	0 02	0 5	0 06	0 4	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 1	0 3	0 1	0 09	0 07	0 7	0 6	0 7	0 2	0 03	0 1	0 02	0 01	0 01	0 4	0 2	0 2	0 1	3E-06	5E-06	9E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-158. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 303

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 005	--	0 006	0 01	0 005	0 005	--	0 01	--	0 0005	--	0 0007	0 001	0 0006	0 0006	--	0 001	--	6E-08	3E-08	9E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 05	0 005	0 07	0 07	0 006	0 04	--	0 09	0 006	0 005	0 0006	0 008	0 008	0 0007	0 005	--	0 01	0 0007	3E-07	1E-07	4E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 06	0 7	0 08	0 08	0 05	1	0 3	0 3	0 1	0 009	0 3	0 01	0 01	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 08	0 2	0 1	0 08	0 03	0 5	0 2	0 9	0 1	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 05	0 3	0 08	0 08	0 05	0 7	NA	0 5	0 1	0 006	0 1	0 009	0 009	0 02	0 4	NA	0 2	0 1	9E-07	2E-06	3E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 07	0 2	0 1	0 09	0 04	0 6	0 4	0 8	0 1	0 01	0 09	0 02	0 01	0 01	0 4	0 1	0 3	0 1	2E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 06	0 5	0 08	0 08	0 04	0 9	0 4	0 9	0 1	0 01	0 2	0 01	0 01	0 01	0 5	0 2	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 05	0 3	0 08	0 08	0 07	0 7	0 2	0 3	0 1	0 006	0 1	0 009	0 009	0 03	0 4	0 06	0 08	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 06	0 8	0 08	0 1	0 04	1	0 6	0 5	0 1	0 01	0 3	0 01	0 02	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 3	0 5	0 3	0 08	0 04	0 9	0 2	1	0 1	0 1	0 2	0 1	0 01	0 01	0 5	0 06	0 4	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 1	0 3	0 1	0 1	0 03	0 7	0 6	0 6	0 1	0 03	0 1	0 03	0 02	0 009	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-159. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 173

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 004	--	0 005	0 01	0 004	0 004	--	0 01	--	0 0005	--	0 0006	0 001	0 0004	0 0005	--	0 001	--	5E-08	2E-08	7E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 06	0 005	0 05	0 2	0 02	0 05	--	0 2	0 04	0 006	0 0006	0 006	0 02	0 003	0 005	--	0 02	0 004	6E-07	3E-07	8E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 07	0 7	0 06	0 2	0 07	1	0 3	0 4	0 2	0 01	0 3	0 009	0 02	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 09	0 2	0 08	0 2	0 05	0 5	0 2	1	0 2	0 02	0 07	0 02	0 02	0 01	0 4	0 08	0 3	0 1	2E-06	4E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 06	0 3	0 06	0 2	0 06	0 7	NA	0 6	0 2	0 007	0 1	0 007	0 02	0 02	0 4	NA	0 2	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 08	0 2	0 08	0 2	0 05	0 6	0 4	0 9	0 2	0 02	0 09	0 01	0 02	0 01	0 4	0 1	0 3	0 1	3E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 07	0 5	0 06	0 2	0 06	0 9	0 4	0 9	0 2	0 01	0 2	0 009	0 02	0 02	0 5	0 2	0 3	0 1	2E-06	4E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 06	0 3	0 06	0 2	0 09	0 7	0 2	0 3	0 2	0 007	0 1	0 007	0 02	0 03	0 4	0 06	0 09	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 07	0 8	0 06	0 2	0 05	1	0 6	0 6	0 2	0 01	0 3	0 01	0 03	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 3	0 5	0 3	0 2	0 05	0 9	0 2	1	0 2	0 1	0 2	0 1	0 02	0 01	0 5	0 06	0 4	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 1	0 3	0 1	0 2	0 05	0 7	0 6	0 7	0 2	0 03	0 1	0 02	0 03	0 01	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-160. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 1000

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 006	--	0 005	0 01	0 008	0 005	--	0 01	--	0 0008	--	0 0006	0 002	0 001	0 0006	--	0 001	--	8E-08	4E-08	1E-07
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 1	0 008	0 09	0 09	0 02	0 07	--	0 2	0 02	0 01	0 0009	0 01	0 01	0 003	0 009	--	0 02	0 002	7E-07	3E-07	1E-06
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 1	0 7	0 1	0 1	0 07	1	0 3	0 4	0 2	0 02	0 3	0 01	0 01	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 1	0 2	0 1	0 1	0 06	0 6	0 2	1	0 2	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 1	0 3	0 1	0 1	0 07	0 7	NA	0 6	0 2	0 01	0 1	0 01	0 01	0 02	0 4	NA	0 2	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 1	0 2	0 1	0 1	0 06	0 6	0 4	0 9	0 2	0 02	0 09	0 02	0 02	0 01	0 4	0 1	0 3	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 1	0 5	0 1	0 1	0 07	0 9	0 4	0 9	0 2	0 02	0 2	0 01	0 01	0 02	0 5	0 2	0 3	0 1	3E-06	4E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 1	0 3	0 1	0 1	0 1	0 7	0 2	0 3	0 2	0 01	0 1	0 01	0 01	0 03	0 4	0 06	0 08	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 1	0 8	0 1	0 1	0 06	1	0 6	0 6	0 2	0 02	0 3	0 01	0 02	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 4	0 5	0 4	0 1	0 06	0 9	0 2	1	0 2	0 1	0 2	0 1	0 01	0 01	0 5	0 06	0 4	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 2	0 3	0 1	0 1	0 05	0 7	0 6	0 7	0 2	0 03	0 1	0 03	0 02	0 01	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-161. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 075-B1

	Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
Media	**Pathway**	**Non-Cancer Child HI**									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																				**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion	0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion	0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion	ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion	0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion	0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion	ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion	0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion	0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion	0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation	--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation	--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal	0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal	0 002	--	0 008	0 01	0 01	0 005	--	0 008	--	0 0003	--	0 0009	0 001	0 001	0 0006	--	0 001	--	3E-08	1E-08	4E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal	0 09	0 005	0 07	0 08	0 02	0 07	--	0 1	0 01	0 01	0 0005	0 008	0 009	0 002	0 008	--	0 02	0 002	3E-07	2E-07	5E-07
Total HI Across Pathways																				**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)		0 1	0 7	0 09	0 09	0 06	1	0 3	0 4	0 2	0 01	0 3	0 01	0 01	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)		0 1	0 2	0 1	0 09	0 05	0 6	0 2	1	0 2	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)		0 1	0 3	0 08	0 09	0 06	0 7	NA	0 5	0 2	0 01	0 1	0 009	0 01	0 02	0 4	NA	0 2	0 1	9E-07	2E-06	3E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)		0 1	0 2	0 1	0 1	0 05	0 6	0 4	0 9	0 2	0 02	0 09	0 02	0 01	0 01	0 4	0 1	0 3	0 1	2E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)		0 1	0 5	0 09	0 09	0 06	0 9	0 4	0 9	0 2	0 02	0 2	0 01	0 01	0 02	0 5	0 2	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)		0 1	0 3	0 08	0 09	0 09	0 7	0 2	0 3	0 2	0 01	0 1	0 009	0 01	0 03	0 4	0 06	0 08	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)		0 1	0 8	0 09	0 1	0 05	1	0 6	0 5	0 2	0 02	0 3	0 01	0 02	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)		0 4	0 5	0 4	0 09	0 05	0 9	0 2	1	0 2	0 1	0 2	0 1	0 01	0 01	0 5	0 06	0 4	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)		0 1	0 3	0 1	0 1	0 05	0 7	0 6	0 6	0 2	0 03	0 1	0 03	0 02	0 01	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-162. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 098-B1

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 003	--	0 006	0 009	0 001	0 01	--	0 009	--	0 0003	--	0 0007	0 001	0 0002	0 001	--	0 001	--	3E-08	2E-08	5E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 04	0 004	0 06	0 08	0 005	0 04	--	0 08	0 003	0 005	0 0005	0 007	0 01	0 0006	0 005	--	0 009	0 0004	1E-07	5E-08	2E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 05	0 7	0 07	0 09	0 05	1	0 3	0 3	0 1	0 008	0 3	0 01	0 01	0 02	0 5	0 1	0 09	0 1	2E-06	4E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 08	0 2	0 09	0 1	0 03	0 5	0 2	0 9	0 1	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	1E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 05	0 3	0 07	0 09	0 04	0 7	NA	0 5	0 1	0 005	0 1	0 008	0 01	0 01	0 4	NA	0 2	0 1	7E-07	2E-06	3E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 07	0 2	0 09	0 1	0 03	0 6	0 4	0 8	0 1	0 01	0 09	0 02	0 01	0 01	0 4	0 1	0 3	0 1	2E-06	4E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 06	0 5	0 07	0 1	0 04	0 9	0 4	0 8	0 1	0 009	0 2	0 01	0 01	0 01	0 5	0 2	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 05	0 3	0 07	0 09	0 07	0 7	0 2	0 3	0 1	0 005	0 1	0 008	0 01	0 02	0 4	0 06	0 07	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 06	0 8	0 07	0 1	0 03	1	0 6	0 5	0 1	0 01	0 3	0 01	0 02	0 01	0 6	0 2	0 2	0 1	2E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 3	0 5	0 3	0 1	0 03	0 9	0 2	1	0 1	0 1	0 2	0 1	0 01	0 01	0 5	0 06	0 4	0 1	1E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 1	0 3	0 1	0 1	0 03	0 7	0 6	0 6	0 1	0 02	0 1	0 02	0 02	0 009	0 4	0 2	0 2	0 1	2E-06	5E-06	7E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-163. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 124-B1

	Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
Media	**Pathway**	**Non-Cancer Child HI**									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																				**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion	0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion	0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion	ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion	0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion	0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion	ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion	0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion	0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion	0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation	--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation	--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal	0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal	0 002	--	0 006	0 01	0 003	0 005	--	0 01	--	0 0003	--	0 0007	0 001	0 0003	0 0006	--	0 002	--	3E-08	1E-08	4E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal	0 09	0 01	0 2	0 1	0 007	0 09	--	0 2	0 007	0 01	0 001	0 02	0 02	0 0008	0 01	--	0 02	0 0008	4E-07	2E-07	6E-07
Total HI Across Pathways																				**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)		0 1	0 7	0 2	0 2	0 05	1	0 3	0 4	0 1	0 01	0 3	0 02	0 02	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)		0 1	0 2	0 2	0 2	0 03	0 6	0 2	1	0 1	0 02	0 07	0 03	0 02	0 01	0 4	0 08	0 3	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)		0 1	0 3	0 2	0 2	0 05	0 8	NA	0 6	0 1	0 01	0 1	0 02	0 02	0 02	0 4	NA	0 2	0 1	1E-06	2E-06	3E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)		0 1	0 2	0 2	0 2	0 04	0 7	0 4	0 9	0 1	0 02	0 09	0 03	0 02	0 01	0 4	0 1	0 3	0 1	2E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)		0 1	0 5	0 2	0 2	0 04	0 9	0 4	0 9	0 1	0 02	0 2	0 02	0 02	0 01	0 5	0 2	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)		0 1	0 3	0 2	0 2	0 07	0 7	0 2	0 3	0 1	0 01	0 1	0 02	0 02	0 02	0 4	0 06	0 08	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)		0 1	0 8	0 2	0 2	0 03	1	0 6	0 6	0 1	0 02	0 3	0 02	0 03	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)		0 4	0 5	0 4	0 2	0 04	0 9	0 2	1	0 1	0 1	0 2	0 1	0 02	0 01	0 5	0 06	0 4	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)		0 1	0 3	0 2	0 2	0 03	0 7	0 6	0 6	0 1	0 03	0 1	0 04	0 03	0 009	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-164. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 131-B1

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 002	--	0 006	0 01	0 003	0 006	--	0 009	--	0 0003	--	0 0007	0 001	0 0003	0 0007	--	0 001	--	3E-08	1E-08	4E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 06	0 005	0 07	0 09	0 01	0 05	--	0 1	0 01	0 007	0 0006	0 008	0 01	0 001	0 006	--	0 02	0 002	3E-07	2E-07	5E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 07	0 7	0 09	0 1	0 05	1	0 3	0 4	0 2	0 01	0 3	0 01	0 01	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 09	0 2	0 1	0 1	0 04	0 5	0 2	1	0 2	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 06	0 3	0 08	0 1	0 05	0 7	NA	0 5	0 2	0 008	0 1	0 009	0 01	0 02	0 4	NA	0 2	0 1	9E-07	2E-06	3E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 09	0 2	0 1	0 1	0 04	0 6	0 4	0 9	0 2	0 02	0 09	0 02	0 02	0 01	0 4	0 1	0 3	0 1	2E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 08	0 5	0 09	0 1	0 05	0 9	0 4	0 9	0 2	0 01	0 2	0 01	0 01	0 01	0 5	0 2	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 06	0 3	0 08	0 1	0 08	0 7	0 2	0 3	0 2	0 008	0 1	0 009	0 01	0 03	0 4	0 06	0 08	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 08	0 8	0 09	0 1	0 04	1	0 6	0 5	0 2	0 01	0 3	0 01	0 02	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 3	0 5	0 4	0 1	0 04	0 9	0 2	1	0 2	0 1	0 2	0 1	0 01	0 01	0 5	0 06	0 4	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 1	0 3	0 1	0 1	0 03	0 7	0 6	0 6	0 2	0 03	0 1	0 03	0 02	0 01	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-165. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 157-B1

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 002	--	0 008	0 01	0 004	0 006	--	0 01	--	0 0003	--	0 001	0 002	0 0005	0 0007	--	0 002	--	3E-08	2E-08	5E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 05	0 005	0 07	0 08	0 01	0 05	--	0 1	0 009	0 006	0 0006	0 008	0 009	0 001	0 005	--	0 01	0 001	3E-07	1E-07	4E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 06	0 7	0 09	0 09	0 05	1	0 3	0 4	0 1	0 009	0 3	0 01	0 01	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 08	0 2	0 1	0 1	0 04	0 5	0 2	1	0 1	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 05	0 3	0 08	0 09	0 05	0 7	NA	0 5	0 1	0 006	0 1	0 01	0 01	0 02	0 4	NA	0 2	0 1	9E-07	2E-06	3E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 07	0 2	0 1	0 1	0 04	0 6	0 4	0 8	0 1	0 01	0 09	0 02	0 01	0 01	0 4	0 1	0 3	0 1	2E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 06	0 5	0 09	0 1	0 05	0 9	0 4	0 9	0 1	0 01	0 2	0 01	0 01	0 01	0 5	0 2	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 05	0 3	0 08	0 09	0 08	0 7	0 2	0 3	0 1	0 006	0 1	0 01	0 01	0 03	0 4	0 06	0 08	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 06	0 8	0 09	0 1	0 04	1	0 6	0 5	0 1	0 01	0 3	0 01	0 02	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 3	0 5	0 4	0 1	0 04	0 9	0 2	1	0 1	0 1	0 2	0 1	0 01	0 01	0 5	0 06	0 4	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 1	0 3	0 1	0 1	0 04	0 7	0 6	0 6	0 1	0 03	0 1	0 03	0 02	0 01	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-166. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 157-B2

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 002	--	0 008	0 01	0 003	0 004	--	0 02	--	0 0002	--	0 0009	0 001	0 0003	0 0005	--	0 002	--	2E-08	1E-08	4E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 05	0 005	0 07	0 08	0 01	0 05	--	0 1	0 009	0 006	0 0006	0 008	0 009	0 001	0 005	--	0 01	0 001	3E-07	1E-07	4E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 06	0 7	0 09	0 09	0 05	1	0 3	0 4	0 1	0 009	0 3	0 01	0 01	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 08	0 2	0 1	0 09	0 04	0 5	0 2	1	0 1	0 02	0 07	0 02	0 01	0 01	0 4	0 08	0 3	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 05	0 3	0 08	0 09	0 05	0 7	NA	0 5	0 1	0 006	0 1	0 01	0 01	0 02	0 4	NA	0 2	0 1	9E-07	2E-06	3E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 07	0 2	0 1	0 1	0 04	0 6	0 4	0 8	0 1	0 01	0 09	0 02	0 01	0 01	0 4	0 1	0 3	0 1	2E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 06	0 5	0 09	0 09	0 05	0 9	0 4	0 9	0 1	0 01	0 2	0 01	0 01	0 01	0 5	0 2	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 05	0 3	0 08	0 09	0 08	0 7	0 2	0 3	0 1	0 006	0 1	0 01	0 01	0 03	0 4	0 06	0 08	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 06	0 8	0 09	0 1	0 04	1	0 6	0 5	0 1	0 01	0 3	0 01	0 02	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 3	0 5	0 4	0 1	0 04	0 9	0 2	1	0 1	0 1	0 2	0 1	0 01	0 01	0 5	0 06	0 4	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 1	0 3	0 1	0 1	0 03	0 7	0 6	0 6	0 1	0 02	0 1	0 03	0 02	0 01	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-167. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Resident with Residential Beach DU 171-B1

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 007	0 7	0 007	0 0009	0 04	0 7	0 3	0 2	--	0 003	0 3	0 003	0 0004	0 01	0 3	0 1	0 08	--	9E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 03	0 2	0 03	0 004	0 02	0 2	0 2	0 8	--	0 01	0 07	0 01	0 002	0 009	0 08	0 08	0 3	--	7E-07	1E-06	2E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 04	0 4	NA	0 4	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 009	0 03	0 3	0 4	0 7	--	0 009	0 09	0 008	0 003	0 01	0 1	0 1	0 3	--	1E-06	2E-06	4E-06
Fish (Smallmouth Bass)	Ingestion		0 01	0 5	0 006	0 003	0 03	0 5	0 4	0 7	--	0 004	0 2	0 002	0 001	0 01	0 2	0 2	0 3	--	1E-06	2E-06	3E-06
Fish (Sturgeon)	Ingestion		ND	0 3	NA	NA	0 06	0 3	0 2	0 2	--	ND	0 1	NA	NA	0 02	0 1	0 06	0 06	--	4E-07	6E-07	1E-06
Fish (Sucker)	Ingestion		0 01	0 8	0 008	0 03	0 02	0 9	0 6	0 4	--	0 005	0 3	0 003	0 01	0 009	0 3	0 2	0 1	--	2E-06	3E-06	4E-06
Fish (Walleye)	Ingestion		0 3	0 5	0 3	0 005	0 03	0 5	0 2	1	--	0 1	0 2	0 1	0 002	0 01	0 2	0 06	0 4	--	6E-07	1E-06	2E-06
Fish (Whitefish)	Ingestion		0 05	0 3	0 04	0 02	0 02	0 3	0 6	0 5	--	0 02	0 1	0 02	0 007	0 008	0 1	0 2	0 2	--	2E-06	3E-06	4E-06
Outdoor Air	Inhalation		--	--	--	--	--	0 02	--	--	0 009	--	--	--	--	--	0 04	--	--	0 02	4E-08	3E-07	3E-07
Indoor Air	Inhalation		--	--	--	--	--	0 3	--	--	0 1	--	--	--	--	--	0 2	--	--	0 1	5E-07	2E-06	2E-06
Surface Water	Incidental Ingestion and Dermal		0 0001	--	0 002	0 0008	0 0005	0 01	--	0 002	0 001	0 00005	--	0 0004	0 0003	0 0002	0 006	--	0 0007	0 0004	2E-09	3E-09	4E-09
Residential Beach Sediment	Incidental Ingestion and Dermal		0 001	--	0 004	0 007	0 0008	0 003	--	0 006	--	0 0001	--	0 0005	0 0008	0 00009	0 0003	--	0 0007	--	1E-08	6E-09	2E-08
Residential Soil/Dust[a]	Incidental Ingestion and Dermal		0 08	0 008	0 1	0 1	0 02	0 07	--	0 2	0 02	0 01	0 0009	0 01	0 01	0 003	0 008	--	0 02	0 003	3E-07	2E-07	5E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Air, Surface Water, Sediment, Soil/Dust & Fish (Burbot)			0 09	0 7	0 1	0 1	0 06	1	0 3	0 4	0 2	0 01	0 3	0 02	0 01	0 02	0 5	0 1	0 1	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Kokanee)			0 1	0 2	0 1	0 1	0 05	0 6	0 2	1	0 2	0 02	0 07	0 02	0 02	0 01	0 4	0 08	0 3	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Northern Pike)			0 08	0 3	0 1	0 1	0 06	0 7	NA	0 6	0 2	0 01	0 1	0 01	0 01	0 02	0 4	NA	0 2	0 1	9E-07	2E-06	3E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Rainbow trout)			0 1	0 2	0 1	0 1	0 05	0 6	0 4	0 9	0 2	0 02	0 09	0 02	0 02	0 01	0 4	0 1	0 3	0 1	2E-06	5E-06	7E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Smallmouth Bass)			0 09	0 5	0 1	0 1	0 06	0 9	0 4	0 9	0 2	0 01	0 2	0 01	0 02	0 02	0 5	0 2	0 3	0 1	2E-06	4E-06	6E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sturgeon)			0 08	0 3	0 1	0 1	0 09	0 7	0 2	0 4	0 2	0 01	0 1	0 01	0 01	0 03	0 4	0 06	0 09	0 1	1E-06	3E-06	4E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Sucker)			0 1	0 8	0 1	0 1	0 05	1	0 6	0 6	0 2	0 01	0 3	0 02	0 03	0 01	0 6	0 2	0 2	0 1	3E-06	5E-06	8E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Walleye)			0 4	0 5	0 4	0 1	0 05	0 9	0 2	1	0 2	0 1	0 2	0 1	0 02	0 01	0 5	0 06	0 4	0 1	2E-06	3E-06	5E-06
Air, Surface Water, Sediment, Soil/Dust & Fish (Whitefish)			0 1	0 3	0 2	0 1	0 04	0 7	0 6	0 7	0 2	0 03	0 1	0 03	0 02	0 01	0 4	0 2	0 2	0 1	3E-06	5E-06	8E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

[a]Dust only evaluated in the ingestion pathway

Table 5-168. Cancer Risks by ADA for the Future Resident who Consumes Burbot

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation	2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation	2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Burbot)	9E-06	1E-05	2E-05				9E-07	1E-06	2E-06			
Upland Soil/Dust[a]	Number of ADAs that exceed benchmark[b]:						Number of ADAs that exceed benchmark[b]:					
ADA	0	0	0	0	0	0	0	0	0	0	0	0
ADA-001	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-002	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
ADA-004	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-005	1E-05	4E-06	1E-05	2E-05	2E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-006	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-008	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-010	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-015	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
ADA-016	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-017	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-018	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
ADA-019	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-020	6E-06	2E-06	9E-06	2E-05	2E-05	4E-05	5E-07	3E-07	8E-07	2E-06	4E-06	6E-06
ADA-021	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-023	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-024	2E-05	6E-06	2E-05	3E-05	3E-05	5E-05	1E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-025	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-026	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-028	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-033	7E-06	3E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
ADA-034	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-035	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-039	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
ADA-042	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-043	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-044	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-045	2E-05	6E-06	2E-05	3E-05	3E-05	5E-05	1E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-046	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-047	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
ADA-048	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-049	6E-06	2E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	8E-07	2E-06	4E-06	6E-06
ADA-050	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-051	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-052	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-053	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-054	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	8E-07	2E-06	2E-06	4E-06	8E-06
ADA-055	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-056	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-057	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06

Table 5-168. Cancer Risks by ADA for the Future Resident who Consumes Burbot

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-058	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
ADA-059	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-060	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	8E-07	2E-06	2E-06	4E-06	7E-06
ADA-061	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-062	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-063	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-064	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-065	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-066	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
ADA-067	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	8E-07	2E-06	4E-06	6E-06
ADA-070	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-071	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-073	1E-05	5E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-076	2E-05	6E-06	2E-05	3E-05	3E-05	5E-05	1E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-078	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-079	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
ADA-081	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-082	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-084	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-085	7E-06	2E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	8E-07	2E-06	4E-06	6E-06
ADA-088	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-089	2E-05	6E-06	2E-05	3E-05	3E-05	5E-05	1E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-090	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-091	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-092	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-093	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-094	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-095	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
ADA-096	1E-05	4E-06	1E-05	2E-05	2E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-097	2E-05	6E-06	2E-05	3E-05	3E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-099	1E-05	5E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-101	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-102	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-103	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-104	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-105	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-106	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-107	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-108	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-109	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-110	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-111	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
ADA-112	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06

Table 5-168. Cancer Risks by ADA for the Future Resident who Consumes Burbot

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-113	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-114	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-115	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-116	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-117	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-118	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-119	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-121	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
ADA-122	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-124	7E-06	3E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	6E-06
ADA-125	1E-05	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-126	2E-05	6E-06	2E-05	3E-05	3E-05	5E-05	2E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-127	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-128	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-131	1E-05	5E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-132	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-133	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-135	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
ADA-136	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-139	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	6E-06
ADA-140	1E-05	5E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-141	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-142	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-143	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-144	3E-05	1E-05	4E-05	4E-05	3E-05	7E-05	3E-06	1E-06	4E-06	2E-06	5E-06	9E-06
ADA-145	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
ADA-146	1E-05	5E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-147	2E-05	8E-06	3E-05	3E-05	3E-05	6E-05	2E-06	8E-07	3E-06	2E-06	4E-06	8E-06
ADA-148	1E-05	4E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-150	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	8E-07	2E-06	2E-06	4E-06	7E-06
ADA-151	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-152	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	9E-07	3E-06	2E-06	4E-06	8E-06
ADA-153	2E-05	6E-06	2E-05	3E-05	3E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-154	1E-05	5E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-155	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-156	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-158	1E-05	5E-06	2E-05	3E-05	2E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-159	1E-05	5E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-160	1E-05	5E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-161	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-162	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	8E-07	3E-06	2E-06	4E-06	8E-06
ADA-164	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-165	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06

Table 5-168. Cancer Risks by ADA for the Future Resident who Consumes Burbot

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-168	2E-05	6E-06	2E-05	3E-05	3E-05	5E-05	1E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-169	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
ADA-170	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-171	7E-06	2E-06	9E-06	2E-05	2E-05	4E-05	6E-07	3E-07	8E-07	2E-06	4E-06	6E-06
ADA-172	3E-06	1E-06	5E-06	1E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	5E-06
ADA-173	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-174	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-175	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
ADA-176	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
ADA-177	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-178	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-179	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
ADA-180	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
ADA-181	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
ADA-182	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
ADA-183	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-184	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]Cancer benchmark is HI≥1e-04.

Table 5-169. Cancer Risks by ADA for the Future Resident who Consumes Kokanee

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation	2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation	2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Kokanee)	7E-06	9E-06	2E-05				7E-07	1E-06	2E-06			
Upland Soil/Dust[a]	Number of ADAs that exceed benchmark[b]:						Number of ADAs that exceed benchmark[b]:					
ADA	0	0	0	0	0	0	0	0	0	0	0	0
ADA-001	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-002	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
ADA-004	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-005	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-006	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-008	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-010	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-015	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	4E-06	5E-06
ADA-016	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-017	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-018	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
ADA-019	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-020	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	3E-07	8E-07	2E-06	4E-06	5E-06
ADA-021	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-023	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-024	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-025	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-026	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-028	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-033	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
ADA-034	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-035	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-039	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
ADA-042	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-043	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-044	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-045	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-046	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-047	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	4E-06	6E-06
ADA-048	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-049	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	2E-06	4E-06	5E-06
ADA-050	2E-05	6E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-051	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-052	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-053	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-054	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	2E-06	2E-06	4E-06	7E-06
ADA-055	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-056	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-057	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06

Table 5-169. Cancer Risks by ADA for the Future Resident who Consumes Kokanee

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-058	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
ADA-059	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-060	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	2E-06	2E-06	4E-06	7E-06
ADA-061	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-062	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-063	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
ADA-064	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-065	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-066	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
ADA-067	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	4E-06	5E-06
ADA-070	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-071	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-073	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-076	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-078	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-079	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
ADA-081	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-082	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-084	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-085	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	2E-06	4E-06	5E-06
ADA-088	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-089	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-090	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
ADA-091	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-092	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-093	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-094	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-095	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	4E-06	6E-06
ADA-096	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-097	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-099	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-101	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-102	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-103	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-104	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-105	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-106	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-107	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-108	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-109	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-110	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-111	7E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
ADA-112	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06

Table 5-169. Cancer Risks by ADA for the Future Resident who Consumes Kokanee

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-113	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-114	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-115	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-116	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-117	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-118	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-119	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-121	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	4E-06	6E-06
ADA-122	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-124	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
ADA-125	1E-05	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-126	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	2E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-127	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-128	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-131	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-132	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-133	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-135	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
ADA-136	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-139	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	4E-06	6E-06
ADA-140	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-141	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-142	2E-05	6E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-143	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-144	3E-05	1E-05	4E-05	4E-05	3E-05	7E-05	3E-06	1E-06	4E-06	2E-06	4E-06	8E-06
ADA-145	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	4E-06	6E-06
ADA-146	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-147	2E-05	8E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	3E-06	2E-06	4E-06	7E-06
ADA-148	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-150	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	2E-06	2E-06	4E-06	7E-06
ADA-151	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-152	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	9E-07	3E-06	2E-06	4E-06	7E-06
ADA-153	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06
ADA-154	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-155	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-156	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-158	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-159	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-160	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-161	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-162	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	3E-06	2E-06	4E-06	7E-06
ADA-164	2E-05	6E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-165	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	7E-06

Table 5-169. Cancer Risks by ADA for the Future Resident who Consumes Kokanee

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-168	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-169	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
ADA-170	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	1E-06	2E-06	4E-06	5E-06
ADA-171	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	2E-06	4E-06	5E-06
ADA-172	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
ADA-173	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-174	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-175	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
ADA-176	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
ADA-177	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-178	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-179	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
ADA-180	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
ADA-181	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
ADA-182	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
ADA-183	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
ADA-184	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	2E-06	3E-06	5E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]Cancer benchmark is HI≥1e-04.

Table 5-170. Cancer Risks by ADA for the Future Resident who Consumes Northern Pike

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation	2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation	2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Northern Pike)	ND	ND	ND				ND	ND	ND			
Upland Soil/Dust[a]	Number of ADAs that exceed benchmark[b]:						Number of ADAs that exceed benchmark[b]:					
ADA	0	0	0	0	0	0	0	0	0	0	0	0
ADA-001	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	1E-06	3E-06	4E-06
ADA-002	7E-06	3E-06	1E-05	9E-06	1E-05	2E-05	6E-07	3E-07	9E-07	1E-06	3E-06	4E-06
ADA-004	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-005	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-006	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-008	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	2E-06	1E-06	3E-06	4E-06
ADA-010	2E-05	7E-06	3E-05	2E-05	1E-05	4E-05	2E-06	7E-07	2E-06	1E-06	3E-06	5E-06
ADA-015	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	8E-07	1E-06	2E-06	4E-06
ADA-016	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-017	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	2E-06	1E-06	3E-06	4E-06
ADA-018	7E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	1E-06	3E-06	4E-06
ADA-019	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-020	6E-06	2E-06	9E-06	9E-06	1E-05	2E-05	5E-07	3E-07	8E-07	1E-06	2E-06	4E-06
ADA-021	2E-05	6E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	1E-06	3E-06	5E-06
ADA-023	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-024	2E-05	6E-06	2E-05	2E-05	1E-05	3E-05	1E-06	7E-07	2E-06	1E-06	3E-06	5E-06
ADA-025	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-026	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	4E-06
ADA-028	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-033	7E-06	3E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	9E-07	1E-06	3E-06	4E-06
ADA-034	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	3E-06
ADA-035	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-039	4E-06	2E-06	6E-06	6E-06	9E-06	2E-05	4E-07	2E-07	5E-07	1E-06	2E-06	3E-06
ADA-042	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	4E-06
ADA-043	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	1E-06	3E-06	4E-06
ADA-044	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-045	2E-05	6E-06	2E-05	2E-05	1E-05	3E-05	1E-06	7E-07	2E-06	1E-06	3E-06	5E-06
ADA-046	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	1E-06	3E-06	4E-06
ADA-047	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	1E-06	1E-06	3E-06	4E-06
ADA-048	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	4E-06
ADA-049	6E-06	2E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	8E-07	1E-06	2E-06	4E-06
ADA-050	2E-05	6E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	1E-06	3E-06	5E-06
ADA-051	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	4E-06
ADA-052	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	2E-06	1E-06	3E-06	4E-06
ADA-053	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	4E-06
ADA-054	2E-05	7E-06	3E-05	2E-05	1E-05	4E-05	2E-06	8E-07	2E-06	1E-06	3E-06	5E-06
ADA-055	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-056	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	4E-06
ADA-057	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	3E-06

Table 5-170. Cancer Risks by ADA for the Future Resident who Consumes Northern Pike

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-058	4E-06	1E-06	5E-06	6E-06	9E-06	2E-05	3E-07	2E-07	5E-07	1E-06	2E-06	3E-06
ADA-059	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	3E-06
ADA-060	2E-05	7E-06	3E-05	2E-05	1E-05	4E-05	2E-06	8E-07	2E-06	1E-06	3E-06	5E-06
ADA-061	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	4E-06
ADA-062	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	5E-07	2E-06	1E-06	3E-06	4E-06
ADA-063	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	1E-06	3E-06	4E-06
ADA-064	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-065	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	5E-07	2E-06	1E-06	3E-06	4E-06
ADA-066	7E-06	3E-06	1E-05	9E-06	1E-05	2E-05	6E-07	3E-07	9E-07	1E-06	3E-06	4E-06
ADA-067	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	8E-07	1E-06	2E-06	4E-06
ADA-070	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	5E-07	2E-06	1E-06	3E-06	4E-06
ADA-071	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-073	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	1E-06	3E-06	5E-06
ADA-076	2E-05	6E-06	2E-05	2E-05	1E-05	3E-05	1E-06	7E-07	2E-06	1E-06	3E-06	5E-06
ADA-078	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	5E-07	2E-06	1E-06	3E-06	4E-06
ADA-079	7E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	1E-06	3E-06	4E-06
ADA-081	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-082	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-084	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	1E-06	3E-06	4E-06
ADA-085	7E-06	2E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	8E-07	1E-06	3E-06	4E-06
ADA-088	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	5E-07	2E-06	1E-06	3E-06	4E-06
ADA-089	2E-05	6E-06	2E-05	2E-05	1E-05	3E-05	1E-06	7E-07	2E-06	1E-06	3E-06	5E-06
ADA-090	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	1E-06	3E-06	4E-06
ADA-091	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	5E-07	2E-06	1E-06	3E-06	4E-06
ADA-092	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	5E-07	2E-06	1E-06	3E-06	4E-06
ADA-093	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-094	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	1E-06	3E-06	4E-06
ADA-095	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	1E-06	1E-06	3E-06	4E-06
ADA-096	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-097	2E-05	6E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	1E-06	3E-06	5E-06
ADA-099	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	1E-06	3E-06	5E-06
ADA-101	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-102	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	1E-06	3E-06	4E-06
ADA-103	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-104	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	3E-06
ADA-105	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-106	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	3E-06
ADA-107	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-108	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	1E-06	3E-06	4E-06
ADA-109	1E-05	5E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	2E-06	1E-06	3E-06	4E-06
ADA-110	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-111	7E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	9E-07	1E-06	3E-06	4E-06
ADA-112	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	1E-06	3E-06	4E-06

Table 5-170. Cancer Risks by ADA for the Future Resident who Consumes Northern Pike

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-113	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	1E-06	3E-06	4E-06
ADA-114	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-115	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	1E-06	3E-06	4E-06
ADA-116	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-117	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-118	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-119	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-121	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	1E-06	1E-06	3E-06	4E-06
ADA-122	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	3E-06
ADA-124	7E-06	3E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	9E-07	1E-06	3E-06	4E-06
ADA-125	1E-05	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-126	2E-05	6E-06	2E-05	2E-05	1E-05	3E-05	2E-06	7E-07	2E-06	1E-06	3E-06	5E-06
ADA-127	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	5E-07	2E-06	1E-06	3E-06	4E-06
ADA-128	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-131	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	1E-06	3E-06	5E-06
ADA-132	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	4E-06
ADA-133	1E-05	5E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	2E-06	1E-06	3E-06	4E-06
ADA-135	5E-06	2E-06	7E-06	7E-06	1E-05	2E-05	4E-07	2E-07	6E-07	1E-06	2E-06	3E-06
ADA-136	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-139	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	1E-06	1E-06	3E-06	4E-06
ADA-140	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	1E-06	3E-06	5E-06
ADA-141	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-142	2E-05	6E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	1E-06	3E-06	5E-06
ADA-143	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-144	3E-05	1E-05	4E-05	3E-05	2E-05	5E-05	3E-06	1E-06	4E-06	1E-06	3E-06	7E-06
ADA-145	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	1E-06	1E-06	3E-06	4E-06
ADA-146	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	1E-06	3E-06	5E-06
ADA-147	2E-05	8E-06	3E-05	2E-05	2E-05	4E-05	2E-06	8E-07	3E-06	1E-06	3E-06	5E-06
ADA-148	1E-05	4E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	2E-06	1E-06	3E-06	4E-06
ADA-150	2E-05	7E-06	3E-05	2E-05	1E-05	4E-05	2E-06	8E-07	2E-06	1E-06	3E-06	5E-06
ADA-151	1E-05	5E-06	2E-05	1E-05	1E-05	3E-05	1E-06	5E-07	2E-06	1E-06	3E-06	4E-06
ADA-152	2E-05	7E-06	3E-05	2E-05	1E-05	4E-05	2E-06	9E-07	3E-06	1E-06	3E-06	6E-06
ADA-153	2E-05	6E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	1E-06	3E-06	5E-06
ADA-154	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	1E-06	3E-06	5E-06
ADA-155	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	5E-07	2E-06	1E-06	3E-06	4E-06
ADA-156	9E-06	3E-06	1E-05	1E-05	1E-05	2E-05	8E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-158	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	5E-07	2E-06	1E-06	3E-06	5E-06
ADA-159	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	1E-06	3E-06	5E-06
ADA-160	1E-05	5E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	1E-06	3E-06	5E-06
ADA-161	1E-05	4E-06	1E-05	1E-05	1E-05	2E-05	9E-07	4E-07	1E-06	1E-06	3E-06	4E-06
ADA-162	2E-05	7E-06	3E-05	2E-05	2E-05	4E-05	2E-06	8E-07	3E-06	1E-06	3E-06	5E-06
ADA-164	2E-05	6E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	1E-06	3E-06	5E-06
ADA-165	2E-05	6E-06	2E-05	2E-05	1E-05	3E-05	1E-06	6E-07	2E-06	1E-06	3E-06	5E-06

Table 5-170. Cancer Risks by ADA for the Future Resident who Consumes Northern Pike

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-168	2E-05	6E-06	2E-05	2E-05	1E-05	3E-05	1E-06	7E-07	2E-06	1E-06	3E-06	5E-06
ADA-169	5E-06	2E-06	7E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	1E-06	2E-06	3E-06
ADA-170	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	6E-07	3E-07	1E-06	1E-06	3E-06	4E-06
ADA-171	7E-06	2E-06	9E-06	9E-06	1E-05	2E-05	6E-07	3E-07	8E-07	1E-06	3E-06	4E-06
ADA-172	3E-06	1E-06	5E-06	6E-06	9E-06	1E-05	3E-07	1E-07	4E-07	1E-06	2E-06	3E-06
ADA-173	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	4E-06
ADA-174	6E-06	2E-06	8E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	4E-06
ADA-175	4E-06	2E-06	6E-06	6E-06	9E-06	2E-05	4E-07	2E-07	5E-07	1E-06	2E-06	3E-06
ADA-176	4E-06	2E-06	6E-06	6E-06	9E-06	2E-05	4E-07	2E-07	5E-07	1E-06	2E-06	3E-06
ADA-177	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	3E-06
ADA-178	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	5E-07	2E-07	7E-07	1E-06	2E-06	3E-06
ADA-179	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	5E-07	1E-06	2E-06	3E-06
ADA-180	5E-06	2E-06	7E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	1E-06	2E-06	3E-06
ADA-181	5E-06	2E-06	7E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	1E-06	2E-06	3E-06
ADA-182	4E-06	2E-06	6E-06	7E-06	9E-06	2E-05	4E-07	2E-07	6E-07	1E-06	2E-06	3E-06
ADA-183	8E-06	3E-06	1E-05	1E-05	1E-05	2E-05	7E-07	3E-07	1E-06	1E-06	3E-06	4E-06
ADA-184	5E-06	2E-06	7E-06	8E-06	1E-05	2E-05	4E-07	2E-07	7E-07	1E-06	2E-06	3E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]Cancer benchmark is HI≥1e-04.

Table 5-171. Cancer Risks by ADA for the Future Resident who Consumes Rainbow Trout

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation	2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation	2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Rainbow Trout)	1E-05	2E-05	3E-05				1E-06	2E-06	4E-06			
Upland Soil/Dust[a]	Number of ADAs that exceed benchmark[b]:						Number of ADAs that exceed benchmark[b]:					
ADA	0	0	0	0	0	0	0	0	0	0	0	0
ADA-001	8E-06	3E-06	1E-05	3E-05	3E-05	5E-05	7E-07	3E-07	1E-06	3E-06	5E-06	7E-06
ADA-002	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	3E-06	5E-06	7E-06
ADA-004	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-005	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-006	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-008	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	3E-06	5E-06	8E-06
ADA-010	2E-05	7E-06	3E-05	4E-05	3E-05	7E-05	2E-06	7E-07	2E-06	3E-06	5E-06	9E-06
ADA-015	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	8E-07	3E-06	5E-06	7E-06
ADA-016	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-017	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	3E-06	5E-06	8E-06
ADA-018	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	3E-06	5E-06	7E-06
ADA-019	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-020	6E-06	2E-06	9E-06	2E-05	3E-05	5E-05	5E-07	3E-07	8E-07	3E-06	5E-06	7E-06
ADA-021	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	3E-06	5E-06	8E-06
ADA-023	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-024	2E-05	6E-06	2E-05	3E-05	3E-05	7E-05	1E-06	7E-07	2E-06	3E-06	5E-06	9E-06
ADA-025	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-026	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06
ADA-028	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-033	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	3E-06	5E-06	7E-06
ADA-034	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06
ADA-035	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-039	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	7E-06
ADA-042	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06
ADA-043	8E-06	3E-06	1E-05	3E-05	3E-05	5E-05	7E-07	3E-07	1E-06	3E-06	5E-06	7E-06
ADA-044	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-045	2E-05	6E-06	2E-05	3E-05	3E-05	7E-05	1E-06	7E-07	2E-06	3E-06	5E-06	9E-06
ADA-046	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	3E-06	5E-06	7E-06
ADA-047	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	3E-06	5E-06	8E-06
ADA-048	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06
ADA-049	6E-06	2E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	8E-07	3E-06	5E-06	7E-06
ADA-050	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	3E-06	5E-06	8E-06
ADA-051	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06
ADA-052	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	3E-06	5E-06	8E-06
ADA-053	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06
ADA-054	2E-05	7E-06	3E-05	4E-05	3E-05	7E-05	2E-06	8E-07	2E-06	3E-06	5E-06	9E-06
ADA-055	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-056	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06
ADA-057	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06

Table 5-171. Cancer Risks by ADA for the Future Resident who Consumes Rainbow Trout

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-058	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	7E-06
ADA-059	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06
ADA-060	2E-05	7E-06	3E-05	4E-05	3E-05	7E-05	2E-06	8E-07	2E-06	3E-06	5E-06	9E-06
ADA-061	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06
ADA-062	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	3E-06	5E-06	8E-06
ADA-063	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	3E-06	5E-06	7E-06
ADA-064	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-065	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	3E-06	5E-06	8E-06
ADA-066	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	3E-06	5E-06	7E-06
ADA-067	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	8E-07	3E-06	5E-06	7E-06
ADA-070	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	3E-06	5E-06	8E-06
ADA-071	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-073	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	3E-06	5E-06	8E-06
ADA-076	2E-05	6E-06	2E-05	3E-05	3E-05	7E-05	1E-06	7E-07	2E-06	3E-06	5E-06	9E-06
ADA-078	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	3E-06	5E-06	8E-06
ADA-079	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	3E-06	5E-06	7E-06
ADA-081	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-082	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-084	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	3E-06	5E-06	7E-06
ADA-085	7E-06	2E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	8E-07	3E-06	5E-06	7E-06
ADA-088	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	3E-06	5E-06	8E-06
ADA-089	2E-05	6E-06	2E-05	3E-05	3E-05	7E-05	1E-06	7E-07	2E-06	3E-06	5E-06	8E-06
ADA-090	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	3E-06	5E-06	7E-06
ADA-091	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	3E-06	5E-06	8E-06
ADA-092	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	3E-06	5E-06	8E-06
ADA-093	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-094	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	3E-06	5E-06	7E-06
ADA-095	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	3E-06	5E-06	8E-06
ADA-096	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-097	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	3E-06	5E-06	8E-06
ADA-099	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	3E-06	5E-06	8E-06
ADA-101	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-102	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	3E-06	5E-06	7E-06
ADA-103	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-104	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06
ADA-105	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-106	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06
ADA-107	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-108	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	3E-06	5E-06	7E-06
ADA-109	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	3E-06	5E-06	8E-06
ADA-110	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-111	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	3E-06	5E-06	7E-06
ADA-112	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	3E-06	5E-06	7E-06

Table 5-171. Cancer Risks by ADA for the Future Resident who Consumes Rainbow Trout

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-113	8E-06	3E-06	1E-05	3E-05	3E-05	5E-05	7E-07	3E-07	1E-06	3E-06	5E-06	7E-06
ADA-114	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-115	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	7E-07	3E-07	1E-06	3E-06	5E-06	7E-06
ADA-116	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-117	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-118	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-119	9E-06	3E-06	1E-05	3E-05	3E-05	5E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-121	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	3E-06	5E-06	8E-06
ADA-122	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06
ADA-124	7E-06	3E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	3E-06	5E-06	7E-06
ADA-125	1E-05	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-126	2E-05	6E-06	2E-05	3E-05	3E-05	7E-05	2E-06	7E-07	2E-06	3E-06	5E-06	9E-06
ADA-127	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	3E-06	5E-06	8E-06
ADA-128	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-131	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	3E-06	5E-06	8E-06
ADA-132	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06
ADA-133	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	3E-06	5E-06	8E-06
ADA-135	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	3E-06	5E-06	7E-06
ADA-136	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-139	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	3E-06	5E-06	8E-06
ADA-140	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	3E-06	5E-06	8E-06
ADA-141	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-142	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	3E-06	5E-06	8E-06
ADA-143	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-144	3E-05	1E-05	4E-05	5E-05	4E-05	8E-05	3E-06	1E-06	4E-06	3E-06	6E-06	1E-05
ADA-145	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	3E-06	5E-06	8E-06
ADA-146	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	3E-06	5E-06	8E-06
ADA-147	2E-05	8E-06	3E-05	4E-05	3E-05	7E-05	2E-06	8E-07	3E-06	3E-06	5E-06	9E-06
ADA-148	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	3E-06	5E-06	8E-06
ADA-150	2E-05	7E-06	3E-05	4E-05	3E-05	7E-05	2E-06	8E-07	2E-06	3E-06	5E-06	9E-06
ADA-151	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	3E-06	5E-06	8E-06
ADA-152	2E-05	7E-06	3E-05	4E-05	3E-05	7E-05	2E-06	9E-07	3E-06	3E-06	5E-06	9E-06
ADA-153	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	3E-06	5E-06	8E-06
ADA-154	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	3E-06	5E-06	8E-06
ADA-155	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	3E-06	5E-06	8E-06
ADA-156	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-158	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	3E-06	5E-06	8E-06
ADA-159	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	3E-06	5E-06	8E-06
ADA-160	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	3E-06	5E-06	8E-06
ADA-161	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-162	2E-05	7E-06	3E-05	4E-05	3E-05	7E-05	2E-06	8E-07	3E-06	3E-06	5E-06	9E-06
ADA-164	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	3E-06	5E-06	8E-06
ADA-165	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	3E-06	5E-06	8E-06

Table 5-171. Cancer Risks by ADA for the Future Resident who Consumes Rainbow Trout

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-168	2E-05	6E-06	2E-05	3E-05	3E-05	7E-05	1E-06	7E-07	2E-06	3E-06	5E-06	8E-06
ADA-169	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	3E-06	5E-06	7E-06
ADA-170	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	1E-06	3E-06	5E-06	7E-06
ADA-171	7E-06	2E-06	9E-06	2E-05	3E-05	5E-05	6E-07	3E-07	8E-07	3E-06	5E-06	7E-06
ADA-172	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
ADA-173	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06
ADA-174	6E-06	2E-06	8E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06
ADA-175	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	7E-06
ADA-176	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	7E-06
ADA-177	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06
ADA-178	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	5E-07	2E-07	7E-07	3E-06	5E-06	7E-06
ADA-179	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	7E-06
ADA-180	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	3E-06	5E-06	7E-06
ADA-181	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	3E-06	5E-06	7E-06
ADA-182	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	3E-06	5E-06	7E-06
ADA-183	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	3E-06	5E-06	7E-06
ADA-184	5E-06	2E-06	7E-06	2E-05	3E-05	5E-05	4E-07	2E-07	7E-07	3E-06	5E-06	7E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]Cancer benchmark is HI≥1e-04.

Table 5-172. Cancer Risks by ADA for the Future Resident who Consumes Smallmouth Bass

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation	2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation	2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Smallmouth Bass)	1E-05	1E-05	3E-05				1E-06	2E-06	3E-06			
Upland Soil/Dust[a]	Number of ADAs that exceed benchmark[b]:						Number of ADAs that exceed benchmark[b]:					
ADA	0	0	0	0	0	0	0	0	0	0	0	0
ADA-001	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
ADA-002	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
ADA-004	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-005	1E-05	4E-06	1E-05	3E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-006	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-008	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-010	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	7E-07	2E-06	2E-06	5E-06	8E-06
ADA-015	6E-06	2E-06	8E-06	2E-05	2E-05	5E-05	5E-07	2E-07	8E-07	2E-06	4E-06	7E-06
ADA-016	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-017	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-018	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
ADA-019	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-020	6E-06	2E-06	9E-06	2E-05	2E-05	5E-05	5E-07	3E-07	8E-07	2E-06	4E-06	7E-06
ADA-021	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
ADA-023	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-024	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	7E-07	2E-06	2E-06	5E-06	8E-06
ADA-025	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-026	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-028	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-033	7E-06	3E-06	9E-06	2E-05	2E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
ADA-034	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-035	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-039	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
ADA-042	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-043	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
ADA-044	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-045	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	7E-07	2E-06	2E-06	5E-06	8E-06
ADA-046	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
ADA-047	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
ADA-048	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-049	6E-06	2E-06	9E-06	2E-05	2E-05	5E-05	6E-07	3E-07	8E-07	2E-06	4E-06	7E-06
ADA-050	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
ADA-051	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-052	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-053	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-054	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	8E-07	2E-06	2E-06	5E-06	8E-06
ADA-055	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-056	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-057	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06

Table 5-172. Cancer Risks by ADA for the Future Resident who Consumes Smallmouth Bass

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-058	4E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	2E-07	5E-07	2E-06	4E-06	6E-06
ADA-059	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-060	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	8E-07	2E-06	2E-06	5E-06	8E-06
ADA-061	6E-06	2E-06	8E-06	2E-05	2E-05	5E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-062	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	5E-06	7E-06
ADA-063	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
ADA-064	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-065	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	5E-06	7E-06
ADA-066	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
ADA-067	6E-06	2E-06	8E-06	2E-05	2E-05	5E-05	5E-07	2E-07	8E-07	2E-06	4E-06	7E-06
ADA-070	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	5E-06	7E-06
ADA-071	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-073	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
ADA-076	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	7E-07	2E-06	2E-06	5E-06	8E-06
ADA-078	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	5E-06	7E-06
ADA-079	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
ADA-081	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-082	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-084	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
ADA-085	7E-06	2E-06	9E-06	2E-05	2E-05	5E-05	6E-07	3E-07	8E-07	2E-06	4E-06	7E-06
ADA-088	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	5E-06	7E-06
ADA-089	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	7E-07	2E-06	2E-06	5E-06	8E-06
ADA-090	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
ADA-091	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	5E-06	7E-06
ADA-092	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	5E-06	7E-06
ADA-093	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-094	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
ADA-095	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
ADA-096	1E-05	4E-06	1E-05	3E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-097	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
ADA-099	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
ADA-101	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-102	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
ADA-103	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-104	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-105	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-106	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-107	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-108	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
ADA-109	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-110	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-111	7E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
ADA-112	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06

Table 5-172. Cancer Risks by ADA for the Future Resident who Consumes Smallmouth Bass

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-113	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
ADA-114	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-115	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
ADA-116	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-117	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-118	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-119	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-121	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
ADA-122	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-124	7E-06	3E-06	9E-06	2E-05	2E-05	5E-05	6E-07	3E-07	9E-07	2E-06	4E-06	7E-06
ADA-125	1E-05	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-126	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	2E-06	7E-07	2E-06	2E-06	5E-06	8E-06
ADA-127	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	5E-06	7E-06
ADA-128	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-131	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	7E-06
ADA-132	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-133	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-135	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
ADA-136	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-139	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
ADA-140	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
ADA-141	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-142	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
ADA-143	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-144	3E-05	1E-05	4E-05	4E-05	3E-05	8E-05	3E-06	1E-06	4E-06	2E-06	5E-06	9E-06
ADA-145	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	1E-06	2E-06	4E-06	7E-06
ADA-146	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	7E-06
ADA-147	2E-05	8E-06	3E-05	3E-05	3E-05	6E-05	2E-06	8E-07	3E-06	2E-06	5E-06	8E-06
ADA-148	1E-05	4E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-150	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	8E-07	2E-06	2E-06	5E-06	8E-06
ADA-151	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	4E-06	7E-06
ADA-152	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	9E-07	3E-06	2E-06	5E-06	8E-06
ADA-153	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
ADA-154	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
ADA-155	1E-05	5E-06	2E-05	3E-05	3E-05	5E-05	1E-06	5E-07	2E-06	2E-06	5E-06	7E-06
ADA-156	9E-06	3E-06	1E-05	2E-05	3E-05	5E-05	8E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-158	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	2E-06	2E-06	5E-06	7E-06
ADA-159	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	7E-06
ADA-160	1E-05	5E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
ADA-161	1E-05	4E-06	1E-05	2E-05	3E-05	5E-05	9E-07	4E-07	1E-06	2E-06	4E-06	7E-06
ADA-162	2E-05	7E-06	3E-05	3E-05	3E-05	6E-05	2E-06	8E-07	3E-06	2E-06	5E-06	8E-06
ADA-164	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06
ADA-165	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	6E-07	2E-06	2E-06	5E-06	8E-06

Table 5-172. Cancer Risks by ADA for the Future Resident who Consumes Smallmouth Bass

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-168	2E-05	6E-06	2E-05	3E-05	3E-05	6E-05	1E-06	7E-07	2E-06	2E-06	5E-06	8E-06
ADA-169	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
ADA-170	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	6E-07	3E-07	1E-06	2E-06	4E-06	7E-06
ADA-171	7E-06	2E-06	9E-06	2E-05	2E-05	5E-05	6E-07	3E-07	8E-07	2E-06	4E-06	7E-06
ADA-172	3E-06	1E-06	5E-06	2E-05	2E-05	4E-05	3E-07	1E-07	4E-07	2E-06	4E-06	6E-06
ADA-173	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-174	6E-06	2E-06	8E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-175	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
ADA-176	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
ADA-177	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-178	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	5E-07	2E-07	7E-07	2E-06	4E-06	6E-06
ADA-179	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	5E-07	2E-06	4E-06	6E-06
ADA-180	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
ADA-181	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
ADA-182	4E-06	2E-06	6E-06	2E-05	2E-05	4E-05	4E-07	2E-07	6E-07	2E-06	4E-06	6E-06
ADA-183	8E-06	3E-06	1E-05	2E-05	3E-05	5E-05	7E-07	3E-07	1E-06	2E-06	4E-06	7E-06
ADA-184	5E-06	2E-06	7E-06	2E-05	2E-05	4E-05	4E-07	2E-07	7E-07	2E-06	4E-06	6E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]Cancer benchmark is HI≥1e-04.

Table 5-173. Cancer Risks by ADA for the Future Resident who Consumes Sturgeon

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation	2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation	2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Sturgeon)	4E-06	5E-06	1E-05				4E-07	6E-07	1E-06			
Upland Soil/Dust[a]	Number of ADAs that exceed benchmark[b]:						Number of ADAs that exceed benchmark[b]:					
ADA	0	0	0	0	0	0	0	0	0	0	0	0
ADA-001	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	2E-06	3E-06	5E-06
ADA-002	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	3E-06	5E-06
ADA-004	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-005	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-006	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-008	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	3E-06	5E-06
ADA-010	2E-05	7E-06	3E-05	3E-05	2E-05	4E-05	2E-06	7E-07	2E-06	2E-06	4E-06	6E-06
ADA-015	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	3E-06	5E-06
ADA-016	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-017	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	3E-06	5E-06
ADA-018	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	3E-06	5E-06
ADA-019	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-020	6E-06	2E-06	9E-06	1E-05	2E-05	3E-05	5E-07	3E-07	8E-07	2E-06	3E-06	5E-06
ADA-021	2E-05	6E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-023	1E-05	4E-06	2E-05	2E-05	2E-05	3E-05	1E-06	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-024	2E-05	6E-06	2E-05	2E-05	2E-05	4E-05	1E-06	7E-07	2E-06	2E-06	4E-06	6E-06
ADA-025	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-026	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-028	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-033	7E-06	3E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	3E-06	5E-06
ADA-034	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-035	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-039	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	4E-06
ADA-042	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-043	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	2E-06	3E-06	5E-06
ADA-044	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-045	2E-05	6E-06	2E-05	2E-05	2E-05	4E-05	1E-06	7E-07	2E-06	2E-06	4E-06	6E-06
ADA-046	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	2E-06	3E-06	5E-06
ADA-047	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	3E-06	5E-06
ADA-048	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-049	6E-06	2E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	8E-07	2E-06	3E-06	5E-06
ADA-050	2E-05	6E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	3E-06	6E-06
ADA-051	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-052	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	3E-06	5E-06
ADA-053	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-054	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	2E-06	2E-06	4E-06	6E-06
ADA-055	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-056	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-057	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06

Table 5-173. Cancer Risks by ADA for the Future Resident who Consumes Sturgeon

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-058	4E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	2E-07	5E-07	2E-06	3E-06	4E-06
ADA-059	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-060	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	2E-06	2E-06	4E-06	6E-06
ADA-061	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-062	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	3E-06	5E-06
ADA-063	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	2E-06	3E-06	5E-06
ADA-064	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-065	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	3E-06	5E-06
ADA-066	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	3E-06	5E-06
ADA-067	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	3E-06	5E-06
ADA-070	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	3E-06	5E-06
ADA-071	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-073	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	3E-06	6E-06
ADA-076	2E-05	6E-06	2E-05	2E-05	2E-05	4E-05	1E-06	7E-07	2E-06	2E-06	4E-06	6E-06
ADA-078	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	3E-06	5E-06
ADA-079	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	3E-06	5E-06
ADA-081	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-082	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-084	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	2E-06	3E-06	5E-06
ADA-085	7E-06	2E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	8E-07	2E-06	3E-06	5E-06
ADA-088	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	3E-06	6E-06
ADA-089	2E-05	6E-06	2E-05	2E-05	2E-05	4E-05	1E-06	7E-07	2E-06	2E-06	4E-06	6E-06
ADA-090	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	2E-06	3E-06	5E-06
ADA-091	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	3E-06	6E-06
ADA-092	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	3E-06	6E-06
ADA-093	1E-05	4E-06	2E-05	2E-05	2E-05	3E-05	1E-06	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-094	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	2E-06	3E-06	5E-06
ADA-095	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	3E-06	5E-06
ADA-096	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-097	2E-05	6E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-099	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	3E-06	6E-06
ADA-101	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-102	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	2E-06	3E-06	5E-06
ADA-103	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-104	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-105	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-106	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-107	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-108	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	2E-06	3E-06	5E-06
ADA-109	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	3E-06	5E-06
ADA-110	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-111	7E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	3E-06	5E-06
ADA-112	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	2E-06	3E-06	5E-06

Table 5-173. Cancer Risks by ADA for the Future Resident who Consumes Sturgeon

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-113	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	2E-06	3E-06	5E-06
ADA-114	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-115	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	7E-07	3E-07	1E-06	2E-06	3E-06	5E-06
ADA-116	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-117	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-118	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-119	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-121	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	3E-06	5E-06
ADA-122	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-124	7E-06	3E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	3E-06	5E-06
ADA-125	1E-05	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-126	2E-05	6E-06	2E-05	2E-05	2E-05	4E-05	2E-06	7E-07	2E-06	2E-06	4E-06	6E-06
ADA-127	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	3E-06	5E-06
ADA-128	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-131	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	3E-06	6E-06
ADA-132	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-133	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	3E-06	5E-06
ADA-135	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
ADA-136	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-139	1E-05	4E-06	2E-05	2E-05	2E-05	3E-05	1E-06	5E-07	1E-06	2E-06	3E-06	5E-06
ADA-140	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	3E-06	6E-06
ADA-141	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-142	2E-05	6E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-143	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-144	3E-05	1E-05	4E-05	4E-05	2E-05	6E-05	3E-06	1E-06	4E-06	2E-06	4E-06	8E-06
ADA-145	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	3E-06	5E-06
ADA-146	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	3E-06	6E-06
ADA-147	2E-05	8E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	3E-06	2E-06	4E-06	6E-06
ADA-148	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	3E-06	5E-06
ADA-150	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	2E-06	2E-06	4E-06	6E-06
ADA-151	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	3E-06	5E-06
ADA-152	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	9E-07	3E-06	2E-06	4E-06	7E-06
ADA-153	2E-05	6E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-154	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	3E-06	6E-06
ADA-155	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	3E-06	6E-06
ADA-156	9E-06	3E-06	1E-05	2E-05	2E-05	3E-05	8E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-158	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	3E-06	6E-06
ADA-159	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	3E-06	6E-06
ADA-160	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	3E-06	6E-06
ADA-161	1E-05	4E-06	1E-05	2E-05	2E-05	3E-05	9E-07	4E-07	1E-06	2E-06	3E-06	5E-06
ADA-162	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	3E-06	2E-06	4E-06	6E-06
ADA-164	2E-05	6E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	3E-06	6E-06
ADA-165	2E-05	6E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06

Table 5-173. Cancer Risks by ADA for the Future Resident who Consumes Sturgeon

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-168	2E-05	6E-06	2E-05	2E-05	2E-05	4E-05	1E-06	7E-07	2E-06	2E-06	4E-06	6E-06
ADA-169	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	4E-06
ADA-170	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	6E-07	3E-07	1E-06	2E-06	3E-06	5E-06
ADA-171	7E-06	2E-06	9E-06	1E-05	2E-05	3E-05	6E-07	3E-07	8E-07	2E-06	3E-06	5E-06
ADA-172	3E-06	1E-06	5E-06	1E-05	1E-05	2E-05	3E-07	1E-07	4E-07	2E-06	3E-06	4E-06
ADA-173	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-174	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-175	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	4E-06
ADA-176	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	4E-06
ADA-177	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-178	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-179	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	4E-06
ADA-180	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	4E-06
ADA-181	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	4E-06
ADA-182	4E-06	2E-06	6E-06	1E-05	1E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	4E-06
ADA-183	8E-06	3E-06	1E-05	1E-05	2E-05	3E-05	7E-07	3E-07	1E-06	2E-06	3E-06	5E-06
ADA-184	5E-06	2E-06	7E-06	1E-05	1E-05	3E-05	4E-07	2E-07	7E-07	2E-06	3E-06	5E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]Cancer benchmark is HI≥1e-04.

Table 5-174. Cancer Risks by ADA for the Future Resident who Consumes Sucker

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation	2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation	2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Sucker)	2E-05	2E-05	4E-05				2E-06	3E-06	4E-06			
Upland Soil/Dust[a]	Number of ADAs that exceed benchmark[b]:						Number of ADAs that exceed benchmark[b]:					
ADA	0	0	0	0	0	0	0	0	0	0	0	0
ADA-001	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-002	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
ADA-004	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-005	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-006	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-008	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-010	2E-05	7E-06	3E-05	4E-05	4E-05	7E-05	2E-06	7E-07	2E-06	3E-06	6E-06	9E-06
ADA-015	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
ADA-016	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-017	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-018	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
ADA-019	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-020	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	3E-07	8E-07	3E-06	5E-06	8E-06
ADA-021	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-023	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-024	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	7E-07	2E-06	3E-06	5E-06	9E-06
ADA-025	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-026	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-028	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-033	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
ADA-034	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-035	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-039	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
ADA-042	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-043	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-044	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-045	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	7E-07	2E-06	3E-06	5E-06	9E-06
ADA-046	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-047	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
ADA-048	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-049	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
ADA-050	2E-05	6E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-051	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-052	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-053	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-054	2E-05	7E-06	3E-05	4E-05	4E-05	8E-05	2E-06	8E-07	2E-06	3E-06	6E-06	1E-05
ADA-055	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-056	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-057	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06

Table 5-174. Cancer Risks by ADA for the Future Resident who Consumes Sucker

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-058	4E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
ADA-059	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-060	2E-05	7E-06	3E-05	4E-05	4E-05	7E-05	2E-06	8E-07	2E-06	3E-06	6E-06	9E-06
ADA-061	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-062	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-063	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-064	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-065	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-066	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
ADA-067	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
ADA-070	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-071	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-073	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-076	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	7E-07	2E-06	3E-06	5E-06	9E-06
ADA-078	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-079	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
ADA-081	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-082	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-084	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-085	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
ADA-088	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-089	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	7E-07	2E-06	3E-06	5E-06	9E-06
ADA-090	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-091	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-092	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-093	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-094	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-095	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
ADA-096	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-097	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-099	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-101	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-102	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-103	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-104	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-105	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-106	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-107	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-108	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-109	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-110	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-111	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
ADA-112	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06

Table 5-174. Cancer Risks by ADA for the Future Resident who Consumes Sucker

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-113	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-114	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-115	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-116	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-117	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-118	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-119	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-121	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
ADA-122	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-124	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
ADA-125	1E-05	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-126	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	2E-06	7E-07	2E-06	3E-06	6E-06	9E-06
ADA-127	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-128	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-131	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-132	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-133	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-135	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
ADA-136	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-139	1E-05	4E-06	2E-05	3E-05	3E-05	6E-05	1E-06	5E-07	1E-06	3E-06	5E-06	8E-06
ADA-140	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-141	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-142	2E-05	6E-06	2E-05	4E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-143	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-144	3E-05	1E-05	4E-05	5E-05	4E-05	9E-05	3E-06	1E-06	4E-06	3E-06	6E-06	1E-05
ADA-145	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
ADA-146	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-147	2E-05	8E-06	3E-05	4E-05	4E-05	8E-05	2E-06	8E-07	3E-06	3E-06	6E-06	1E-05
ADA-148	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-150	2E-05	7E-06	3E-05	4E-05	4E-05	7E-05	2E-06	8E-07	2E-06	3E-06	6E-06	9E-06
ADA-151	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-152	2E-05	7E-06	3E-05	4E-05	4E-05	8E-05	2E-06	9E-07	3E-06	3E-06	6E-06	1E-05
ADA-153	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-154	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-155	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-156	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-158	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-159	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-160	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-161	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-162	2E-05	7E-06	3E-05	4E-05	4E-05	8E-05	2E-06	8E-07	3E-06	3E-06	6E-06	1E-05
ADA-164	2E-05	6E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-165	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06

Table 5-174. Cancer Risks by ADA for the Future Resident who Consumes Sucker

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-168	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	7E-07	2E-06	3E-06	5E-06	9E-06
ADA-169	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
ADA-170	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-171	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
ADA-172	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	7E-06
ADA-173	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-174	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-175	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
ADA-176	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
ADA-177	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-178	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-179	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
ADA-180	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
ADA-181	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
ADA-182	4E-06	2E-06	6E-06	2E-05	3E-05	5E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
ADA-183	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-184	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]Cancer benchmark is HI≥1e-04.

Table 5-175. Cancer Risks by ADA for the Future Resident who Consumes Walleye

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation	2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation	2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Walleye)	7E-06	8E-06	1E-05				6E-07	1E-06	2E-06			
Upland Soil/Dust[a]	Number of ADAs that exceed benchmark[b]:						Number of ADAs that exceed benchmark[b]:					
ADA	0	0	0	0	0	0	0	0	0	0	0	0
ADA-001	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
ADA-002	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	3E-06	5E-06
ADA-004	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-005	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-006	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-008	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-010	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-015	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	3E-06	5E-06
ADA-016	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-017	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-018	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
ADA-019	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-020	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	5E-07	3E-07	8E-07	2E-06	3E-06	5E-06
ADA-021	2E-05	6E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-023	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-024	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-025	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-026	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-028	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-033	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	3E-06	5E-06
ADA-034	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-035	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-039	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
ADA-042	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-043	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
ADA-044	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-045	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-046	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
ADA-047	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	4E-06	6E-06
ADA-048	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-049	6E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	2E-06	3E-06	5E-06
ADA-050	2E-05	6E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-051	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-052	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-053	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-054	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	2E-06	2E-06	4E-06	7E-06
ADA-055	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-056	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-057	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06

Table 5-175. Cancer Risks by ADA for the Future Resident who Consumes Walleye

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-058	4E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	2E-07	5E-07	2E-06	3E-06	5E-06
ADA-059	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-060	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	2E-06	2E-06	4E-06	7E-06
ADA-061	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-062	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-063	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
ADA-064	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-065	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-066	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	3E-06	5E-06
ADA-067	6E-06	2E-06	8E-06	2E-05	2E-05	3E-05	5E-07	2E-07	8E-07	2E-06	3E-06	5E-06
ADA-070	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-071	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-073	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-076	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-078	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-079	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
ADA-081	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-082	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-084	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
ADA-085	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	2E-06	3E-06	5E-06
ADA-088	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-089	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-090	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
ADA-091	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-092	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-093	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-094	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
ADA-095	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	4E-06	6E-06
ADA-096	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-097	2E-05	6E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-099	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-101	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-102	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
ADA-103	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-104	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-105	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-106	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-107	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-108	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
ADA-109	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-110	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-111	7E-06	3E-06	1E-05	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	4E-06	5E-06
ADA-112	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06

Table 5-175. Cancer Risks by ADA for the Future Resident who Consumes Walleye

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-113	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
ADA-114	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-115	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	6E-06
ADA-116	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-117	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-118	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-119	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-121	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	4E-06	6E-06
ADA-122	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-124	7E-06	3E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	9E-07	2E-06	3E-06	5E-06
ADA-125	1E-05	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-126	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	2E-06	7E-07	2E-06	2E-06	4E-06	7E-06
ADA-127	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-128	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-131	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-132	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-133	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-135	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
ADA-136	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-139	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	4E-06	6E-06
ADA-140	1E-05	5E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-141	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-142	2E-05	6E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-143	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-144	3E-05	1E-05	4E-05	4E-05	3E-05	7E-05	3E-06	1E-06	4E-06	2E-06	4E-06	8E-06
ADA-145	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	1E-06	2E-06	4E-06	6E-06
ADA-146	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-147	2E-05	8E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	3E-06	2E-06	4E-06	7E-06
ADA-148	1E-05	4E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-150	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	2E-06	2E-06	4E-06	7E-06
ADA-151	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-152	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	9E-07	3E-06	2E-06	4E-06	7E-06
ADA-153	2E-05	6E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-154	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-155	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-156	9E-06	3E-06	1E-05	2E-05	2E-05	4E-05	8E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-158	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	5E-07	2E-06	2E-06	4E-06	6E-06
ADA-159	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-160	1E-05	5E-06	2E-05	2E-05	2E-05	4E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-161	1E-05	4E-06	1E-05	2E-05	2E-05	4E-05	9E-07	4E-07	1E-06	2E-06	4E-06	6E-06
ADA-162	2E-05	7E-06	3E-05	3E-05	2E-05	5E-05	2E-06	8E-07	3E-06	2E-06	4E-06	7E-06
ADA-164	2E-05	6E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06
ADA-165	2E-05	6E-06	2E-05	2E-05	2E-05	5E-05	1E-06	6E-07	2E-06	2E-06	4E-06	6E-06

Table 5-175. Cancer Risks by ADA for the Future Resident who Consumes Walleye

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-168	2E-05	6E-06	2E-05	3E-05	2E-05	5E-05	1E-06	7E-07	2E-06	2E-06	4E-06	6E-06
ADA-169	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
ADA-170	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	6E-07	3E-07	1E-06	2E-06	4E-06	5E-06
ADA-171	7E-06	2E-06	9E-06	2E-05	2E-05	3E-05	6E-07	3E-07	8E-07	2E-06	3E-06	5E-06
ADA-172	3E-06	1E-06	5E-06	1E-05	2E-05	3E-05	3E-07	1E-07	4E-07	2E-06	3E-06	5E-06
ADA-173	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-174	6E-06	2E-06	8E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-175	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
ADA-176	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
ADA-177	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-178	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	5E-07	2E-07	7E-07	2E-06	3E-06	5E-06
ADA-179	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	5E-07	2E-06	3E-06	5E-06
ADA-180	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
ADA-181	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
ADA-182	4E-06	2E-06	6E-06	1E-05	2E-05	3E-05	4E-07	2E-07	6E-07	2E-06	3E-06	5E-06
ADA-183	8E-06	3E-06	1E-05	2E-05	2E-05	4E-05	7E-07	3E-07	1E-06	2E-06	4E-06	5E-06
ADA-184	5E-06	2E-06	7E-06	1E-05	2E-05	3E-05	4E-07	2E-07	7E-07	2E-06	3E-06	5E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]Cancer benchmark is HI≥1e-04.

Table 5-176. Cancer Risks by ADA for the Future Resident who Consumes Whitefish

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
Indoor Air Inhalation	2E-06	7E-06	9E-06				5E-07	2E-06	2E-06			
Outdoor Air Inhalation	2E-07	1E-06	1E-06				4E-08	3E-07	3E-07			
Fish (Whitefish)	2E-05	2E-05	4E-05				2E-06	3E-06	4E-06			
Upland Soil/Dust[a]	Number of ADAs that exceed benchmark[b]:						Number of ADAs that exceed benchmark[b]:					
ADA	0	0	0	0	0	0	0	0	0	0	0	0
ADA-001	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-002	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
ADA-004	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-005	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	9E-06
ADA-006	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-008	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-010	2E-05	7E-06	3E-05	4E-05	4E-05	8E-05	2E-06	7E-07	2E-06	3E-06	6E-06	1E-05
ADA-015	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
ADA-016	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-017	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-018	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
ADA-019	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-020	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	5E-07	3E-07	8E-07	3E-06	5E-06	8E-06
ADA-021	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	6E-06	9E-06
ADA-023	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	4E-07	1E-06	3E-06	5E-06	9E-06
ADA-024	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	7E-07	2E-06	3E-06	6E-06	9E-06
ADA-025	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-026	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-028	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-033	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
ADA-034	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-035	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-039	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
ADA-042	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-043	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-044	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-045	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	7E-07	2E-06	3E-06	6E-06	9E-06
ADA-046	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-047	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
ADA-048	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-049	6E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
ADA-050	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-051	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-052	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-053	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-054	2E-05	7E-06	3E-05	4E-05	4E-05	8E-05	2E-06	8E-07	2E-06	3E-06	6E-06	1E-05
ADA-055	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-056	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-057	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06

Table 5-176. Cancer Risks by ADA for the Future Resident who Consumes Whitefish

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-058	4E-06	1E-06	5E-06	2E-05	3E-05	6E-05	3E-07	2E-07	5E-07	3E-06	5E-06	8E-06
ADA-059	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-060	2E-05	7E-06	3E-05	4E-05	4E-05	8E-05	2E-06	8E-07	2E-06	3E-06	6E-06	1E-05
ADA-061	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-062	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-063	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-064	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-065	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-066	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
ADA-067	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	8E-07	3E-06	5E-06	8E-06
ADA-070	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-071	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-073	1E-05	5E-06	2E-05	3E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-076	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	7E-07	2E-06	3E-06	6E-06	9E-06
ADA-078	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-079	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
ADA-081	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-082	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-084	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-085	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
ADA-088	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-089	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	7E-07	2E-06	3E-06	6E-06	9E-06
ADA-090	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-091	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-092	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-093	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	4E-07	1E-06	3E-06	5E-06	9E-06
ADA-094	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-095	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
ADA-096	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	9E-06
ADA-097	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	6E-06	9E-06
ADA-099	1E-05	5E-06	2E-05	3E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-101	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-102	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-103	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-104	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-105	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-106	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-107	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-108	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-109	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-110	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-111	7E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
ADA-112	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06

Table 5-176. Cancer Risks by ADA for the Future Resident who Consumes Whitefish

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-113	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-114	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-115	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-116	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-117	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	9E-06
ADA-118	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-119	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-121	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
ADA-122	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-124	7E-06	3E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	9E-07	3E-06	5E-06	8E-06
ADA-125	1E-05	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-126	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	2E-06	7E-07	2E-06	3E-06	6E-06	9E-06
ADA-127	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-128	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-131	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-132	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-133	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-135	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
ADA-136	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-139	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
ADA-140	1E-05	5E-06	2E-05	3E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-141	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-142	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	6E-06	9E-06
ADA-143	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-144	3E-05	1E-05	4E-05	5E-05	4E-05	9E-05	3E-06	1E-06	4E-06	3E-06	6E-06	1E-05
ADA-145	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	1E-06	3E-06	5E-06	9E-06
ADA-146	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-147	2E-05	8E-06	3E-05	4E-05	4E-05	8E-05	2E-06	8E-07	3E-06	3E-06	6E-06	1E-05
ADA-148	1E-05	4E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-150	2E-05	7E-06	3E-05	4E-05	4E-05	8E-05	2E-06	8E-07	2E-06	3E-06	6E-06	1E-05
ADA-151	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-152	2E-05	7E-06	3E-05	4E-05	4E-05	8E-05	2E-06	9E-07	3E-06	3E-06	6E-06	1E-05
ADA-153	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	6E-06	9E-06
ADA-154	1E-05	5E-06	2E-05	3E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-155	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-156	9E-06	3E-06	1E-05	3E-05	3E-05	6E-05	8E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-158	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	5E-07	2E-06	3E-06	5E-06	9E-06
ADA-159	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-160	1E-05	5E-06	2E-05	3E-05	3E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-161	1E-05	4E-06	1E-05	3E-05	3E-05	6E-05	9E-07	4E-07	1E-06	3E-06	5E-06	8E-06
ADA-162	2E-05	7E-06	3E-05	4E-05	4E-05	8E-05	2E-06	8E-07	3E-06	3E-06	6E-06	1E-05
ADA-164	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	5E-06	9E-06
ADA-165	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	6E-07	2E-06	3E-06	6E-06	9E-06

Table 5-176. Cancer Risks by ADA for the Future Resident who Consumes Whitefish

	RME						CTE					
	Total Risk Across COPCs by Pathway			Total Risk Across Pathways			Total Risk Across COPCs by Pathway			Total Risk Across Pathways		
	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk	Child Risk	Adult Risk	TWA Risk
ADA												
ADA-168	2E-05	6E-06	2E-05	4E-05	4E-05	7E-05	1E-06	7E-07	2E-06	3E-06	6E-06	9E-06
ADA-169	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
ADA-170	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	6E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-171	7E-06	2E-06	9E-06	3E-05	3E-05	6E-05	6E-07	3E-07	8E-07	3E-06	5E-06	8E-06
ADA-172	3E-06	1E-06	5E-06	2E-05	3E-05	5E-05	3E-07	1E-07	4E-07	3E-06	5E-06	8E-06
ADA-173	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-174	6E-06	2E-06	8E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-175	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
ADA-176	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
ADA-177	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-178	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	5E-07	2E-07	7E-07	3E-06	5E-06	8E-06
ADA-179	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	5E-07	3E-06	5E-06	8E-06
ADA-180	5E-06	2E-06	7E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
ADA-181	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
ADA-182	4E-06	2E-06	6E-06	2E-05	3E-05	6E-05	4E-07	2E-07	6E-07	3E-06	5E-06	8E-06
ADA-183	8E-06	3E-06	1E-05	3E-05	3E-05	6E-05	7E-07	3E-07	1E-06	3E-06	5E-06	8E-06
ADA-184	5E-06	2E-06	7E-06	3E-05	3E-05	6E-05	4E-07	2E-07	7E-07	3E-06	5E-06	8E-06

ND = not detected

[a]Dust was only evaluated in the ingestion pathway. Dermal contact was only evaluated for soil.

[b]Cancer benchmark is HI≥1e-04.

Table 5-177. Non-Cancer Target Organ System Hazards and Cancer Risk for Non-Lead COPCs for the RME: Outdoor Worker

		Total HI/Risk Across COPCs by Pathway								Total HI/Risk Across Pathways							
		Non-cancer by Target Organ System							Cancer	Non-cancer by Target Organ System							Cancer
Target Organ System:		*Cardiovascular*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Skin, Hair and Nails*	*Urinary*		*Cardiovascular*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Skin, Hair and Nails*	*Urinary*	
		Adult HI							Adult Risk	Adult HQ							Adult Risk
Outdoor Air (Inhalation)		--	--	--	--	0 09	--	0 05	2E-06								
Surface Water (Incidental Ingestion and Dermal Contact)		0 00006	0 0008	0 0003	0 0002	0 006	0 0008	0 0005	1E-08								
Public Beach Sediment (Incidential Ingestion and Dermal Contact)																	
AA Campground	Surface Sediment	0 003	--	0 02	0 0005	--	0 003	--	5E-07	0 003	0 0008	0 02	0 0007	0 1	0 004	0 05	3E-06
Barnaby Island Campground	Surface Sediment	0 002	--	0 02	0 0004	--	0 002	--	3E-07	0 002	0 0008	0 02	0 0006	0 1	0 002	0 05	3E-06
Black Sand Beach	Surface Sediment	0 03	--	0 06	0 08	--	0 03	--	5E-06	0 03	0 0008	0 06	0 08	0 1	0 03	0 05	7E-06
Bossburg Flat - 2011	Surface Sediment	0 006	--	0 02	0 005	--	0 006	--	1E-06	0 006	0 0008	0 02	0 006	0 1	0 007	0 05	3E-06
Bradbury	Surface Sediment	0 01	--	0 05	0 002	--	0 01	--	2E-06	0 01	0 0008	0 05	0 002	0 1	0 01	0 05	5E-06
China Bend	Surface Sediment	0 01	--	0 05	0 01	--	0 01	--	2E-06	0 01	0 0008	0 05	0 01	0 1	0 01	0 05	4E-06
Colville Flats	Surface Sediment	0 008	--	0 03	0 003	--	0 008	--	1E-06	0 008	0 0008	0 03	0 003	0 1	0 009	0 05	4E-06
Colville River	Surface Sediment	0 003	--	0 03	0 0004	--	0 003	--	4E-07	0 003	0 0008	0 03	0 0006	0 1	0 003	0 05	3E-06
Crescent Bay	Surface Sediment	0 003	--	0 03	ND	--	0 003	--	5E-07	0 003	0 0008	0 03	0 0002	0 1	0 004	0 05	3E-06
Dalles Orchard	Surface Sediment	0 02	--	0 08	0 08	--	0 02	--	4E-06	0 02	0 0008	0 08	0 08	0 1	0 02	0 05	6E-06
Enterprise	Surface Sediment	0 008	--	0 04	0 0008	--	0 008	--	1E-06	0 008	0 0008	0 04	0 001	0 1	0 008	0 05	4E-06
Evans Campground - 2011	Surface Sediment	0 007	--	0 03	0 005	--	0 007	--	1E-06	0 007	0 0008	0 03	0 005	0 1	0 007	0 05	3E-06
Flat Creek	Surface Sediment	0 008	--	0 04	0 02	--	0 008	--	1E-06	0 009	0 0008	0 04	0 02	0 1	0 009	0 05	4E-06
Hawk Creek	Surface Sediment	0 009	--	0 04	0 001	--	0 009	--	2E-06	0 009	0 0008	0 04	0 001	0 1	0 01	0 05	4E-06
Hunters	Surface Sediment	0 007	--	0 04	0 0009	--	0 007	--	1E-06	0 007	0 0008	0 04	0 001	0 1	0 008	0 05	4E-06
Jones Bay	Surface Sediment	0 009	--	0 03	0 0006	--	0 009	--	2E-06	0 009	0 0008	0 03	0 0008	0 1	0 01	0 05	4E-06
Kamloops Island	Surface Sediment	0 007	--	0 05	0 003	--	0 007	--	1E-06	0 007	0 0008	0 05	0 003	0 1	0 008	0 05	4E-06
Kettle Falls	Surface Sediment	0 002	--	0 05	0 0009	--	0 002	--	3E-07	0 002	0 0008	0 05	0 001	0 1	0 002	0 05	3E-06
Lyons Island	Surface Sediment	0 004	--	0 03	0 002	--	0 004	--	6E-07	0 004	0 0008	0 03	0 002	0 1	0 004	0 05	3E-06
McGuires	Surface Sediment	0 007	--	0 03	0 0008	--	0 007	--	1E-06	0 007	0 0008	0 03	0 001	0 1	0 008	0 05	4E-06
Mitchell Point	Surface Sediment	0 01	--	0 05	0 002	--	0 01	--	2E-06	0 01	0 0008	0 05	0 002	0 1	0 01	0 05	4E-06
Naborlee	Surface Sediment	0 004	--	0 03	0 0006	--	0 004	--	6E-07	0 004	0 0008	0 03	0 0008	0 1	0 005	0 05	3E-06
Nez Perce	Surface Sediment	0 008	--	0 03	0 0007	--	0 008	--	1E-06	0 008	0 0008	0 03	0 0009	0 1	0 008	0 05	4E-06
Northport Beach	Surface Sediment	0 01	--	0 08	0 05	--	0 01	--	2E-06	0 01	0 0008	0 08	0 05	0 1	0 02	0 05	5E-06
Upper Columbia R V Park	Surface Sediment	0 01	--	0 04	0 03	--	0 01	--	2E-06	0 01	0 0008	0 05	0 03	0 1	0 01	0 05	5E-06
Seven Bays	Surface Sediment	0 009	--	0 03	0 0008	--	0 009	--	2E-06	0 009	0 0008	0 04	0 001	0 1	0 01	0 05	4E-06
Spring Canyon	Surface Sediment	0 006	--	0 02	0 0007	--	0 006	--	1E-06	0 006	0 0008	0 03	0 0009	0 1	0 007	0 05	3E-06
Summer Island	Surface Sediment	0 01	--	0 03	0 003	--	0 01	--	2E-06	0 01	0 0008	0 03	0 003	0 1	0 01	0 05	4E-06
Swawilla Basin	Surface Sediment	0 006	--	0 03	0 0005	--	0 006	--	1E-06	0 006	0 0008	0 03	0 0007	0 1	0 007	0 05	3E-06
Swimming Hole	Surface Sediment	0 01	--	0 1	0 1	--	0 01	--	2E-06	0 01	0 0008	0 1	0 1	0 1	0 02	0 05	5E-06
Welty Bay	Surface Sediment	0 004	--	0 02	0 0008	--	0 004	--	6E-07	0 004	0 0008	0 02	0 001	0 1	0 005	0 05	3E-06
Whitestone Campground	Surface Sediment	0 004	--	0 03	0 0005	--	0 004	--	6E-07	0 004	0 0008	0 03	0 0007	0 1	0 005	0 05	3E-06
Wilmont Creek	Surface Sediment	0 005	--	0 03	0 0007	--	0 005	--	8E-07	0 005	0 0008	0 03	0 0009	0 1	0 006	0 05	3E-06
Bossburg Flat - 2015 - F-01[a]	Subsurface Sediment	0 01	0 02	0 03	0 006	0 01	0 01	--	2E-06	0 01	0 02	0 03	0 006	0 1	0 01	0 05	4E-06
Bossburg Flat - 2015 - SDU-01	Surface Sediment	0 02	--	0 04	0 008	--	0 02	--	3E-06	0 03	0 02	0 07	0 01	0 10	0 03	0 05	7E-06
	Subsurface Sediment	0 01	0 02	0 03	0 005	0 01	0 01	--	2E-06								
Bossburg Flat - 2015 - SDU-02	Surface Sediment	0 01	--	0 03	0 006	--	0 01	--	2E-06	0 03	0 02	0 06	0 01	0 10	0 03	0 05	7E-06
	Subsurface Sediment	0 01	0 02	0 03	0 004	0 02	0 01	--	2E-06								
Bossburg Flat - 2015 - SDU-03	Surface Sediment	0 004	--	0 02	0 0008	--	0 004	--	7E-07	0 01	0 02	0 04	0 00	0 10	0 01	0 05	4E-06
	Subsurface Sediment	0 006	0 02	0 02	0 001	0 008	0 006	--	9E-07								

Table 5-177. Non-Cancer Target Organ System Hazards and Cancer Risk for Non-Lead COPCs for the RME: Outdoor Worker

		Total HI/Risk Across COPCs by Pathway								Total HI/Risk Across Pathways							
		Non-cancer by Target Organ System							Cancer	Non-cancer by Target Organ System							Cancer
Target Organ System:		*Cardiovascular*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Skin, Hair and Nails*	*Urinary*		*Cardiovascular*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Skin, Hair and Nails*	*Urinary*	
		Adult HI							Adult Risk	Adult HQ							Adult Risk
Bossburg Flat - 2015 - SDU-04	Surface Sediment	0 009	--	0 02	0 002	--	0 009	--	2E-06	0 02	0 03	0 05	0 01	0 10	0 02	0 05	5E-06
	Subsurface Sediment	0 009	0 02	0 02	0 006	0 01	0 009	--	1E-06								
Bossburg Flat - 2015 - SDU-08	Surface Sediment	0 02	--	0 04	0 008	--	0 02	--	3E-06	0 04	0 03	0 08	0 02	0 10	0 04	0 05	8E-06
	Subsurface Sediment	0 02	0 03	0 04	0 02	0 02	0 02	--	3E-06								
Bossburg Flat - 2015 - SDU-09	Surface Sediment	0 007	--	0 02	0 002	--	0 007	--	1E-06	0 007	0 0008	0 02	0 002	0 1	0 008	0 05	4E-06
Bossburg Flat - 2015 - SDU-10	Surface Sediment	0 008	--	0 02	0 002	--	0 008	--	1E-06	0 008	0 0008	0 02	0 002	0 1	0 008	0 05	4E-06
Evans Campground - 2015 - SDU-05	Surface Sediment	0 01	--	0 03	0 006	--	0 01	--	2E-06	0 02	0 02	0 06	0 01	0 10	0 03	0 05	6E-06
	Subsurface Sediment	0 01	0 02	0 03	0 006	0 01	0 01	--	2E-06								
Evans Campground - 2015 - SDU-06	Surface Sediment	0 004	--	0 02	0 0004	--	0 004	--	6E-07	0 01	0 02	0 03	0 00	0 10	0 01	0 05	4E-06
	Subsurface Sediment	0 006	0 02	0 02	0 0003	0 01	0 006	--	1E-06								
Evans Campground - 2015 - SDU-07	Surface Sediment	0 01	--	0 03	0 005	--	0 01	--	2E-06	0 03	0 02	0 07	0 01	0 10	0 03	0 05	8E-06
	Subsurface Sediment	0 02	0 02	0 03	0 008	0 02	0 02	--	3E-06								
Public Beach Soil (Incidental Ingestion and Dermal Contact)																	
Bossburg Flat - 2015 - UDU-01	Surface Soil	0 01	--	--	--	--	0 01	--	2E-06	0 03	0 0008	0 0003	0 0002	0 1	0 03	0 05	8E-06
	Subsurface Soil	0 02	--	--	--	--	0 02	--	3E-06								
Bossburg Flat - 2015 - UDU-02	Surface Soil	0 01	--	--	--	--	0 01	--	2E-06	0 02	0 0008	0 0003	0 0002	0 1	0 02	0 05	5E-06
	Subsurface Soil	0 006	--	--	--	--	0 006	--	9E-07								
Bossburg Flat - 2015 - UDU-03	Surface Soil	0 009	--	--	--	--	0 009	--	1E-06	0 02	0 0008	0 0003	0 0002	0 1	0 02	0 05	5E-06
	Subsurface Soil	0 009	--	--	--	--	0 009	--	1E-06								
Bossburg Flat - 2015 - SDU-04	Surface Soil	0 01	--	--	--	--	0 01	--	2E-06	0 06	0 0008	0 0003	0 0002	0 1	0 06	0 05	1E-05
	Subsurface Soil	0 05	--	--	--	--	0 05	--	8E-06								
Bossburg Flat- 2015 - UDU-05	Surface Soil	0 01	--	--	--	--	0 01	--	2E-06	0 02	0 0008	0 0003	0 0002	0 1	0 02	0 05	6E-06
	Subsurface Soil	0 01	--	--	--	--	0 01	--	2E-06								
Bossburg Flat- 2015 - UDU-06	Surface Soil	0 01	--	--	--	--	0 01	--	2E-06	0 03	0 0008	0 0003	0 0002	0 1	0 03	0 05	7E-06
	Subsurface Soil	0 01	--	--	--	--	0 01	--	2E-06								

ND = not detected; SDU = sediment DU; UDU = soil DU; -- = target organ system not affected by COPCs in this medium

[a]No IC samples were collected from the ferry landing, so surface sediment was not evaluated at this location Only core samples were collected

Table 5-178. Non-Cancer Target Organ System Hazards and Cancer Risk for Non-Lead COPCs for the CTE: Outdoor Worker

		Total HI/Risk Across COPCs by Pathway								Total HI/Risk Across Pathways							
		Non-cancer by Target Organ System							Cancer	Non-cancer by Target Organ System							Cancer
Target Organ System:		*Cardiovascular*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Skin, Hair and Nails*	*Urinary*		*Cardiovascular*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Skin, Hair and Nails*	*Urinary*	
		Adult HI							Adult Risk	Adult HQ							Adult Risk
Outdoor Air (Inhalation)		--	--	--	--	0 08	--	0 04	7E-07								
Surface Water (Incidental Ingestion and Dermal Contact)		0 00004	0 0004	0 0002	0 0001	0 004	0 0005	0 0003	2E-09								
Public Beach Sediment (Incidential Ingestion and Dermal Contact)																	
AA Campground	Surface Sediment	0 001	--	0 007	0 0002	--	0 001	--	6E-08	0 001	0 0004	0 008	0 0003	0 08	0 002	0 04	8E-07
Barnaby Island Campground	Surface Sediment	0 0005	--	0 007	0 0002	--	0 0005	--	3E-08	0 0006	0 0004	0 007	0 0003	0 08	0 001	0 04	8E-07
Black Sand Beach	Surface Sediment	0 009	--	0 03	0 04	--	0 009	--	5E-07	0 009	0 0004	0 03	0 04	0 08	0 01	0 04	1E-06
Bossburg Flat - 2011	Surface Sediment	0 002	--	0 01	0 002	--	0 002	--	1E-07	0 002	0 0004	0 01	0 003	0 08	0 003	0 04	9E-07
Bradbury	Surface Sediment	0 004	--	0 02	0 0008	--	0 004	--	2E-07	0 004	0 0004	0 02	0 001	0 08	0 005	0 04	1E-06
China Bend	Surface Sediment	0 003	--	0 02	0 006	--	0 003	--	2E-07	0 003	0 0004	0 02	0 006	0 08	0 004	0 04	9E-07
Colville Flats	Surface Sediment	0 003	--	0 01	0 001	--	0 003	--	2E-07	0 003	0 0004	0 01	0 001	0 08	0 003	0 04	9E-07
Colville River	Surface Sediment	0 0008	--	0 01	0 0002	--	0 0008	--	5E-08	0 0009	0 0004	0 01	0 0003	0 08	0 001	0 04	8E-07
Crescent Bay	Surface Sediment	0 001	--	0 01	ND	--	0 001	--	7E-08	0 001	0 0004	0 02	0 0001	0 08	0 002	0 04	8E-07
Dalles Orchard	Surface Sediment	0 008	--	0 04	0 04	--	0 008	--	4E-07	0 008	0 0004	0 04	0 04	0 08	0 008	0 04	1E-06
Enterprise	Surface Sediment	0 002	--	0 02	0 0004	--	0 002	--	1E-07	0 002	0 0004	0 02	0 0005	0 08	0 003	0 04	9E-07
Evans Campground - 2011	Surface Sediment	0 002	--	0 01	0 002	--	0 002	--	1E-07	0 002	0 0004	0 01	0 002	0 08	0 003	0 04	9E-07
Flat Creek	Surface Sediment	0 003	--	0 02	0 009	--	0 003	--	2E-07	0 003	0 0004	0 02	0 009	0 08	0 003	0 04	9E-07
Hawk Creek	Surface Sediment	0 003	--	0 02	0 0005	--	0 003	--	2E-07	0 003	0 0004	0 02	0 0006	0 08	0 003	0 04	9E-07
Hunters	Surface Sediment	0 002	--	0 02	0 0004	--	0 002	--	1E-07	0 002	0 0004	0 02	0 0005	0 08	0 003	0 04	9E-07
Jones Bay	Surface Sediment	0 003	--	0 01	0 0003	--	0 003	--	2E-07	0 003	0 0004	0 01	0 0004	0 08	0 003	0 04	9E-07
Kamloops Island	Surface Sediment	0 002	--	0 02	0 001	--	0 002	--	1E-07	0 002	0 0004	0 02	0 001	0 08	0 003	0 04	9E-07
Kettle Falls	Surface Sediment	0 0005	--	0 02	0 0004	--	0 0005	--	3E-08	0 0005	0 0004	0 02	0 0005	0 08	0 001	0 04	8E-07
Lyons Island	Surface Sediment	0 001	--	0 01	0 0007	--	0 001	--	7E-08	0 001	0 0004	0 01	0 0008	0 08	0 002	0 04	8E-07
McGuires	Surface Sediment	0 002	--	0 01	0 0003	--	0 002	--	1E-07	0 002	0 0004	0 01	0 0005	0 08	0 003	0 04	9E-07
Mitchell Point	Surface Sediment	0 003	--	0 02	0 0007	--	0 003	--	2E-07	0 004	0 0004	0 02	0 0008	0 08	0 004	0 04	1E-06
Naborlee	Surface Sediment	0 001	--	0 01	0 0003	--	0 001	--	7E-08	0 001	0 0004	0 01	0 0004	0 08	0 002	0 04	8E-07
Nez Perce	Surface Sediment	0 002	--	0 01	0 0003	--	0 002	--	1E-07	0 002	0 0004	0 01	0 0005	0 08	0 003	0 04	9E-07
Northport Beach	Surface Sediment	0 005	--	0 03	0 02	--	0 005	--	3E-07	0 005	0 0004	0 03	0 02	0 08	0 006	0 04	1E-06
Upper Columbia R V Park	Surface Sediment	0 004	--	0 02	0 01	--	0 004	--	3E-07	0 004	0 0004	0 02	0 01	0 08	0 005	0 04	1E-06
Seven Bays	Surface Sediment	0 003	--	0 02	0 0004	--	0 003	--	2E-07	0 003	0 0004	0 02	0 0005	0 08	0 003	0 04	9E-07
Spring Canyon	Surface Sediment	0 002	--	0 01	0 0003	--	0 002	--	1E-07	0 002	0 0004	0 01	0 0004	0 08	0 002	0 04	8E-07
Summer Island	Surface Sediment	0 003	--	0 01	0 001	--	0 003	--	2E-07	0 003	0 0004	0 01	0 001	0 08	0 004	0 04	9E-07
Swawilla Basin	Surface Sediment	0 002	--	0 01	0 0002	--	0 002	--	1E-07	0 002	0 0004	0 01	0 0004	0 08	0 002	0 04	9E-07
Swimming Hole	Surface Sediment	0 005	--	0 04	0 05	--	0 005	--	3E-07	0 005	0 0004	0 04	0 05	0 08	0 005	0 04	1E-06
Welty Bay	Surface Sediment	0 001	--	0 01	0 0003	--	0 001	--	8E-08	0 001	0 0004	0 01	0 0005	0 08	0 002	0 04	8E-07
Whitestone Campground	Surface Sediment	0 001	--	0 01	0 0002	--	0 001	--	6E-08	0 001	0 0004	0 01	0 0004	0 08	0 002	0 04	8E-07
Wilmont Creek	Surface Sediment	0 002	--	0 01	0 0003	--	0 002	--	9E-08	0 002	0 0004	0 01	0 0004	0 08	0 002	0 04	8E-07
Bossburg Flat - 2015 - F-01[a]	Subsurface Sediment	0 004	0 008	0 01	0 003	0 005	0 004	--	2E-07	0 004	0 008	0 01	0 003	0 09	0 004	0 04	1E-06
Bossburg Flat - 2015 - SDU-01	Surface Sediment	0 006	--	0 02	0 004	--	0 006	--	3E-07	0 01	0 01	0 03	0 01	0 09	0 01	0 04	1E-06
	Subsurface Sediment	0 005	0 01	0 01	0 002	0 006	0 005	--	3E-07								
Bossburg Flat - 2015 - SDU-02	Surface Sediment	0 005	--	0 01	0 003	--	0 005	--	3E-07	0 01	0 01	0 03	0 01	0 09	0 01	0 04	1E-06
	Subsurface Sediment	0 005	0 01	0 01	0 002	0 007	0 005	--	3E-07								
Bossburg Flat - 2015 - SDU-03	Surface Sediment	0 001	--	0 008	0 0003	--	0 001	--	8E-08	0 00	0 01	0 02	0 00	0 09	0 00	0 04	9E-07
	Subsurface Sediment	0 002	0 009	0 01	0 0006	0 003	0 002	--	1E-07								

Table 5-178. Non-Cancer Target Organ System Hazards and Cancer Risk for Non-Lead COPCs for the CTE: Outdoor Worker

		Total HI/Risk Across COPCs by Pathway								Total HI/Risk Across Pathways							
		Non-cancer by Target Organ System							Cancer	Non-cancer by Target Organ System							Cancer
Target Organ System:		*Cardiovascular*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Skin, Hair and Nails*	*Urinary*		*Cardiovascular*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Skin, Hair and Nails*	*Urinary*	
		Adult HI							Adult Risk	Adult HQ							Adult Risk
Bossburg Flat - 2015 - SDU-04	Surface Sediment	0 003	--	0 01	0 0009	--	0 003	--	2E-07	0 01	0 01	0 02	0 00	0 09	0 01	0 04	1E-06
	Subsurface Sediment	0 003	0 01	0 01	0 003	0 004	0 003	--	2E-07								
Bossburg Flat - 2015 - SDU-08	Surface Sediment	0 006	--	0 02	0 004	--	0 006	--	3E-07	0 01	0 02	0 04	0 01	0 09	0 01	0 04	1E-06
	Subsurface Sediment	0 006	0 01	0 02	0 007	0 007	0 006	--	4E-07								
Bossburg Flat - 2015 - SDU-09	Surface Sediment	0 002	--	0 01	0 001	--	0 002	--	1E-07	0 002	0 0004	0 01	0 001	0 08	0 003	0 04	9E-07
Bossburg Flat - 2015 - SDU-10	Surface Sediment	0 003	--	0 01	0 0009	--	0 003	--	1E-07	0 003	0 0004	0 01	0 001	0 08	0 003	0 04	9E-07
Evans Campground - 2015 - SDU-05	Surface Sediment	0 004	--	0 01	0 003	--	0 004	--	2E-07	0 01	0 01	0 03	0 01	0 09	0 01	0 04	1E-06
	Subsurface Sediment	0 004	0 01	0 01	0 002	0 006	0 004	--	3E-07								
Evans Campground - 2015 - SDU-06	Surface Sediment	0 001	--	0 007	0 0002	--	0 001	--	7E-08	0 00	0 01	0 01	0 00	0 09	0 00	0 04	9E-07
	Subsurface Sediment	0 002	0 008	0 007	0 0001	0 004	0 002	--	1E-07								
Evans Campground - 2015 - SDU-07	Surface Sediment	0 005	--	0 01	0 002	--	0 005	--	3E-07	0 01	0 01	0 03	0 01	0 09	0 01	0 04	1E-06
	Subsurface Sediment	0 006	0 01	0 01	0 003	0 008	0 006	--	3E-07								
Public Beach Soil (Incidental Ingestion and Dermal Contact)																	
Bossburg Flat - 2015 - UDU-01	Surface Soil	0 004	--	--	--	--	0 004	--	2E-07	0 01	0 0004	0 0002	0 0001	0 08	0 01	0 04	1E-06
	Subsurface Soil	0 007	--	--	--	--	0 007	--	4E-07								
Bossburg Flat - 2015 - UDU-02	Surface Soil	0 003	--	--	--	--	0 003	--	2E-07	0 005	0 0004	0 0002	0 0001	0 08	0 006	0 04	1E-06
	Subsurface Soil	0 002	--	--	--	--	0 002	--	1E-07								
Bossburg Flat - 2015 - UDU-03	Surface Soil	0 003	--	--	--	--	0 003	--	2E-07	0 006	0 0004	0 0002	0 0001	0 08	0 006	0 04	1E-06
	Subsurface Soil	0 003	--	--	--	--	0 003	--	2E-07								
Bossburg Flat - 2015 - SDU-04	Surface Soil	0 004	--	--	--	--	0 004	--	3E-07	0 02	0 0004	0 0002	0 0001	0 08	0 02	0 04	2E-06
	Subsurface Soil	0 02	--	--	--	--	0 02	--	1E-06								
Bossburg Flat- 2015 - UDU-05	Surface Soil	0 003	--	--	--	--	0 003	--	2E-07	0 007	0 0004	0 0002	0 0001	0 08	0 007	0 04	1E-06
	Subsurface Soil	0 003	--	--	--	--	0 003	--	2E-07								
Bossburg Flat- 2015 - UDU-06	Surface Soil	0 005	--	--	--	--	0 005	--	3E-07	0 009	0 0004	0 0002	0 0001	0 08	0 01	0 04	1E-06
	Subsurface Soil	0 004	--	--	--	--	0 004		2E-07								

ND = not detected; SDU = sediment DU; UDU = soil DU; -- = target organ system not affected by COPCs in this medium

[a]No IC samples were collected from the ferry landing, so surface sediment was not evaluated at this location Only core samples were collected

Table 5-179. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at AA Campground

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 01	0 0003	--	--	0 002	--	0 0003	--	--	0 001	0 00004	--	--	0 0003	--	7E-08	3E-08	1E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 01	0 0003	--	--	0 002	--	0 0003	--	--	0 002	0 00005	--	--	0 0003	--	7E-08	4E-08	1E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 007	0 0002	--	--	0 001	--	0 0003	--	--	0 001	0 00004	--	--	0 0003	--	4E-08	3E-08	7E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	1	0 01	0 01	0 1	1	NA	1	0 007	0 0005	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 004	1E-07	2E-07	3E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 04	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 004	1E-05	1E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 9	0 01	0 01	0 2	1	0 5	0 6	0 007	0 0005	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 008	0 04	0 7	0 2	1	0 004	7E-06	8E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 07	0 07	1	2	2	0 007	0 06	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	1	0 009	0 01	0 1	1	NA	1	0 007	0 0005	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 008	1E-07	3E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 04	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 02	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 9	0 009	0 01	0 2	1	0 5	0 6	0 007	0 0005	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 008	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 07	0 07	1	2	2	0 007	0 06	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 01	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 005	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	1	0 02	0 01	0 1	1	NA	1	0 01	0 0007	0 4	0 007	0 004	0 05	0 5	NA	0 5	0 02	1E-07	5E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 04	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 9	0 02	0 01	0 2	1	0 5	0 6	0 01	0 0007	0 3	0 007	0 004	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 07	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-180. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Barnaby Island Campground

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 0009	--	--	0 01	0 0002	--	--	0 0009	--	0 0001	--	--	0 001	0 00003	--	--	0 0001	--	4E-08	2E-08	5E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 0009	--	--	0 01	0 0002	--	--	0 0009	--	0 0002	--	--	0 001	0 00003	--	--	0 0002	--	4E-08	2E-08	6E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 0006	--	--	0 006	0 0002	--	--	0 0006	--	0 0001	--	--	0 001	0 00003	--	--	0 0001	--	2E-08	2E-08	4E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	1	0 01	0 01	0 1	1	NA	1	0 007	0 0004	0 4	0 003	0 002	0 05	0 5	NA	0 5	0 004	8E-08	1E-07	2E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 04	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 02	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 004	1E-05	1E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 9	0 01	0 01	0 2	1	0 5	0 6	0 007	0 0004	0 3	0 003	0 002	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 008	0 04	0 7	0 2	1	0 004	7E-06	8E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 07	0 07	1	2	2	0 007	0 06	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	1	0 009	0 01	0 1	1	NA	1	0 007	0 0004	0 4	0 003	0 002	0 05	0 5	NA	0 5	0 008	1E-07	3E-07	4E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 04	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 02	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 9	0 009	0 01	0 2	1	0 5	0 6	0 007	0 0004	0 3	0 003	0 002	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 008	0 04	0 7	0 2	1	0 008	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 07	0 07	1	2	2	0 007	0 06	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 01	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 005	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	1	0 02	0 01	0 1	1	NA	1	0 01	0 0006	0 4	0 007	0 004	0 05	0 5	NA	0 5	0 02	1E-07	5E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 04	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 9	0 02	0 01	0 2	1	0 5	0 6	0 01	0 0006	0 3	0 007	0 004	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 07	0 07	1	2	2	0 01	0 06	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-181. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Black Sand Beach

	Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
Media	**Pathway**	**Non-Cancer Child HI**									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																				**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion	0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion	0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion	ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion	0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion	0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion	ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion	0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion	0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion	0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																						
Outdoor Air	Inhalation		--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal	0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 02	--	--	0 04	0 06	--	--	0 02	--	0 003	--	--	0 005	0 007	--	--	0 003	--	6E-07	3E-07	1E-06
Boat Day Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal	0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 02	--	--	0 04	0 06	--	--	0 02	--	0 003	--	--	0 006	0 008	--	--	0 003	--	6E-07	4E-07	1E-06
Camping Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal	0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 01	--	--	0 03	0 04	--	--	0 01	--	0 003	--	--	0 005	0 007	--	--	0 003	--	4E-07	3E-07	7E-07
Total HI Across Pathways																				**Cancer Risk Across Pathways**		
Beach Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 04	2	0 04	0 05	0 2	2	1	0 8	0 007	0 01	0 9	0 01	0 007	0 06	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 06	0 1	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 04	0 3	0 3	1	0 004	8E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 02	1	0 01	0 05	0 2	1	NA	1	0 007	0 003	0 4	0 003	0 006	0 05	0 5	NA	0 5	0 004	7E-07	5E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 1	0 8	0 08	0 07	0 2	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 05	2	0 03	0 06	0 2	2	1	3	0 007	0 02	0 6	0 01	0 01	0 05	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 02	0 9	0 01	0 05	0 3	1	0 5	0 6	0 007	0 003	0 3	0 003	0 006	0 09	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 06	3	0 04	0 2	0 1	3	2	1	0 007	0 02	1	0 01	0 05	0 04	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		1	2	0 9	0 06	0 2	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 1	0 1	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 04	2	0 03	0 05	0 2	2	1	0 8	0 007	0 01	0 9	0 01	0 008	0 06	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 06	0 1	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 04	0 3	0 3	1	0 008	8E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 02	1	0 009	0 04	0 2	1	NA	1	0 007	0 003	0 4	0 003	0 007	0 05	0 5	NA	0 5	0 008	7E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 1	0 8	0 08	0 07	0 2	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 05	2	0 03	0 06	0 2	2	1	3	0 007	0 02	0 6	0 01	0 01	0 05	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 02	0 9	0 009	0 04	0 3	1	0 5	0 6	0 007	0 003	0 3	0 003	0 007	0 09	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 06	3	0 03	0 2	0 1	3	2	1	0 007	0 02	1	0 01	0 05	0 04	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		1	2	0 9	0 06	0 2	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 1	0 1	1	2	2	0 007	0 07	0 3	0 06	0 03	0 04	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 04	2	0 04	0 03	0 2	2	1	0 8	0 01	0 01	0 9	0 02	0 009	0 06	1	0 4	0 3	0 02	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 04	0 1	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 04	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 01	1	0 02	0 03	0 2	1	NA	1	0 01	0 003	0 4	0 007	0 007	0 05	0 5	NA	0 5	0 02	5E-07	9E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 09	0 8	0 08	0 06	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 05	2	0 04	0 04	0 1	2	1	3	0 01	0 02	0 6	0 01	0 01	0 05	0 7	0 5	1	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 01	0 9	0 02	0 03	0 3	1	0 5	0 6	0 01	0 003	0 3	0 007	0 007	0 09	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 05	3	0 04	0 1	0 1	3	2	1	0 01	0 02	1	0 02	0 05	0 04	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 05	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 09	0 1	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-182. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Bossburg Flat-2011/2013

	Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
Media	**Pathway**	**Non-Cancer Child HI**									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																				**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion	0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion	0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion	ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion	0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion	0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion	ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion	0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion	0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion	0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																						
Outdoor Air	Inhalation		--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal	0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 003	--	--	0 02	0 004	--	--	0 003	--	0 0005	--	--	0 002	0 0004	--	--	0 0005	--	1E-07	7E-08	2E-07
Boat Day Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal	0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 003	--	--	0 02	0 004	--	--	0 003	--	0 0006	--	--	0 002	0 0005	--	--	0 0006	--	1E-07	8E-08	2E-07
Camping Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal	0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 002	--	--	0 01	0 002	--	--	0 002	--	0 0005	--	--	0 002	0 0004	--	--	0 0005	--	8E-08	7E-08	1E-07
Total HI Across Pathways																				**Cancer Risk Across Pathways**		
Beach Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 04	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 004	1	0 01	0 02	0 1	1	NA	1	0 007	0 0007	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	4E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 08	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 004	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 0007	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 05	3	0 04	0 1	0 09	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 03	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 08	0 08	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 03	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 004	1	0 009	0 02	0 1	1	NA	1	0 007	0 0008	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 008	2E-07	4E-07	6E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 08	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 004	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 0008	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 05	3	0 03	0 1	0 09	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 03	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 08	0 08	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 003	1	0 02	0 01	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 004	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 08	0 8	0 08	0 04	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 003	0 9	0 02	0 01	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 004	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 07	0 08	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-183. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Bradbury

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 008	--	--	0 03	0 001	--	--	0 008	--	0 001	--	--	0 004	0 0002	--	--	0 001	--	3E-07	2E-07	5E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 008	--	--	0 03	0 001	--	--	0 008	--	0 001	--	--	0 005	0 0002	--	--	0 001	--	3E-07	2E-07	5E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 005	--	--	0 02	0 0008	--	--	0 005	--	0 001	--	--	0 004	0 0002	--	--	0 001	--	2E-07	2E-07	3E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 04	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 006	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 05	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 008	1	0 01	0 04	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 005	0 05	0 5	NA	0 5	0 004	3E-07	3E-07	6E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 05	0 1	2	1	3	0 007	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 008	0 9	0 01	0 04	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 005	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 04	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 007	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 05	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 008	1	0 009	0 03	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 006	0 05	0 5	NA	0 5	0 008	4E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 05	0 1	2	1	3	0 007	0 02	0 6	0 01	0 01	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 008	0 9	0 009	0 03	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 006	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 007	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 006	1	0 02	0 02	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 006	0 05	0 5	NA	0 5	0 02	3E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 04	0 1	2	1	3	0 01	0 02	0 6	0 01	0 01	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 006	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 006	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-184. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at China Bend

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 006	--	--	0 03	0 009	--	--	0 006	--	0 0009	--	--	0 004	0 001	--	--	0 0009	--	2E-07	1E-07	3E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 006	--	--	0 03	0 009	--	--	0 006	--	0 001	--	--	0 005	0 001	--	--	0 001	--	2E-07	1E-07	4E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 004	--	--	0 02	0 006	--	--	0 004	--	0 0009	--	--	0 004	0 001	--	--	0 0009	--	1E-07	1E-07	3E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 04	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 006	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 05	0 09	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 006	1	0 01	0 04	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 005	0 05	0 5	NA	0 5	0 004	3E-07	2E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 07	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 05	0 1	2	1	3	0 007	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 006	0 9	0 01	0 04	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 005	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 09	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 08	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 04	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 007	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 05	0 09	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 006	1	0 009	0 03	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 006	0 05	0 5	NA	0 5	0 008	3E-07	4E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 05	0 1	2	1	3	0 007	0 01	0 6	0 01	0 01	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 006	0 9	0 009	0 03	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 006	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 09	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 08	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 008	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 09	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 004	1	0 02	0 02	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 006	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 04	0 1	2	1	3	0 01	0 01	0 6	0 01	0 01	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 004	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 006	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 09	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 08	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-185. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Colville Flats

	Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
Media	**Pathway**	**Non-Cancer Child HI**									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																				**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion	0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion	0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion	ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion	0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion	0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion	ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion	0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion	0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion	0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																						
Outdoor Air	Inhalation		--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal	0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 005	--	--	0 02	0 002	--	--	0 005	--	0 0007	--	--	0 002	0 0002	--	--	0 0007	--	2E-07	9E-08	3E-07
Boat Day Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal	0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 005	--	--	0 02	0 002	--	--	0 005	--	0 0008	--	--	0 003	0 0002	--	--	0 0008	--	2E-07	1E-07	3E-07
Camping Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal	0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 003	--	--	0 01	0 001	--	--	0 003	--	0 0007	--	--	0 002	0 0002	--	--	0 0007	--	1E-07	9E-08	2E-07
Total HI Across Pathways																				**Cancer Risk Across Pathways**		
Beach Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 04	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 005	1	0 01	0 02	0 1	1	NA	1	0 007	0 0009	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 005	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 0009	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 03	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 005	1	0 009	0 02	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 008	2E-07	4E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 005	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 004	1	0 02	0 02	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 08	0 8	0 08	0 04	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 004	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 07	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-186. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Colville River

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 02	0 0003	--	--	0 001	--	0 0002	--	--	0 003	0 00003	--	--	0 0002	--	6E-08	3E-08	8E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 02	0 0003	--	--	0 001	--	0 0003	--	--	0 003	0 00004	--	--	0 0003	--	6E-08	3E-08	9E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 0009	--	--	0 01	0 0002	--	--	0 0009	--	0 0002	--	--	0 003	0 00003	--	--	0 0002	--	4E-08	3E-08	6E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	1	0 01	0 02	0 1	1	NA	1	0 007	0 0005	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 004	1E-07	2E-07	3E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 004	1E-05	1E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 0005	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 06	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	1	0 009	0 02	0 1	1	NA	1	0 007	0 0005	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 008	1E-07	3E-07	4E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 09	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 0005	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 06	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	1	0 02	0 02	0 1	1	NA	1	0 01	0 0007	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	1E-07	5E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 0007	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-187. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Crescent Bay

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 02	ND	--	--	0 002	--	0 0003	--	--	0 003	ND	--	--	0 0003	--	7E-08	4E-08	1E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 02	ND	--	--	0 002	--	0 0003	--	--	0 003	ND	--	--	0 0003	--	7E-08	4E-08	1E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 01	ND	--	--	0 001	--	0 0003	--	--	0 003	ND	--	--	0 0003	--	5E-08	4E-08	8E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 01	0 03	0 1	1	NA	1	0 007	0 0005	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 004	1E-07	2E-07	3E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 004	1E-05	1E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 01	0 03	0 2	1	0 5	0 6	0 007	0 0005	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 07	1	2	2	0 007	0 06	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	1	0 009	0 03	0 1	1	NA	1	0 007	0 0005	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 008	1E-07	3E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 09	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 9	0 009	0 03	0 2	1	0 5	0 6	0 007	0 0005	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 06	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	1	0 02	0 02	0 1	1	NA	1	0 01	0 0008	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	1E-07	6E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 0008	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-188. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Dalles Orchard

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 01	--	--	0 06	0 06	--	--	0 01	--	0 002	--	--	0 007	0 007	--	--	0 002	--	5E-07	2E-07	7E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 01	--	--	0 06	0 06	--	--	0 01	--	0 002	--	--	0 008	0 008	--	--	0 002	--	5E-07	3E-07	8E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 008	--	--	0 04	0 04	--	--	0 008	--	0 002	--	--	0 007	0 007	--	--	0 002	--	3E-07	2E-07	6E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 04	2	0 04	0 06	0 2	2	1	0 8	0 007	0 01	0 9	0 01	0 009	0 06	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 07	0 1	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 04	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 01	1	0 01	0 06	0 2	1	NA	1	0 007	0 002	0 4	0 003	0 008	0 05	0 5	NA	0 5	0 004	5E-07	4E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 09	0 2	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 05	2	0 03	0 07	0 2	2	1	3	0 007	0 02	0 6	0 01	0 01	0 05	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 01	0 9	0 01	0 06	0 3	1	0 5	0 6	0 007	0 002	0 3	0 003	0 008	0 09	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 06	3	0 04	0 2	0 1	3	2	1	0 007	0 02	1	0 01	0 05	0 04	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 08	0 2	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 1	0 1	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 04	2	0 03	0 06	0 2	2	1	0 8	0 007	0 01	0 9	0 01	0 01	0 06	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 07	0 1	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 04	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 01	1	0 009	0 06	0 2	1	NA	1	0 007	0 003	0 4	0 003	0 009	0 05	0 5	NA	0 5	0 008	6E-07	6E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 09	0 2	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 05	2	0 03	0 07	0 2	2	1	3	0 007	0 02	0 6	0 01	0 01	0 05	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 01	0 9	0 009	0 06	0 3	1	0 5	0 6	0 007	0 003	0 3	0 003	0 009	0 09	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 2	0 1	3	2	1	0 007	0 02	1	0 01	0 05	0 04	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 07	0 2	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 1	0 1	1	2	2	0 007	0 07	0 3	0 06	0 03	0 04	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 04	0 2	2	1	0 8	0 01	0 01	0 9	0 02	0 01	0 06	1	0 4	0 3	0 02	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 05	0 1	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 04	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 009	1	0 02	0 04	0 2	1	NA	1	0 01	0 002	0 4	0 007	0 009	0 05	0 5	NA	0 5	0 02	4E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 07	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 05	0 1	2	1	3	0 01	0 02	0 6	0 01	0 01	0 05	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 009	0 9	0 02	0 04	0 3	1	0 5	0 6	0 01	0 002	0 3	0 007	0 009	0 09	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 1	3	2	1	0 01	0 02	1	0 02	0 05	0 04	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 06	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 02	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 1	0 1	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-189. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Enterprise

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 004	--	--	0 03	0 0006	--	--	0 004	--	0 0007	--	--	0 003	0 00007	--	--	0 0007	--	2E-07	8E-08	3E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 004	--	--	0 03	0 0006	--	--	0 004	--	0 0008	--	--	0 004	0 00008	--	--	0 0008	--	2E-07	1E-07	3E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 003	--	--	0 02	0 0004	--	--	0 003	--	0 0007	--	--	0 003	0 00007	--	--	0 0007	--	1E-07	8E-08	2E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 006	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 005	1	0 01	0 03	0 1	1	NA	1	0 007	0 0009	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	4E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 005	0 9	0 01	0 03	0 2	1	0 5	0 6	0 007	0 0009	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 006	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 005	1	0 009	0 03	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 005	0 05	0 5	NA	0 5	0 008	2E-07	4E-07	6E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 005	0 9	0 009	0 03	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 005	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 007	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 004	1	0 02	0 02	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 006	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 01	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 004	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 006	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-190. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Evans Campground-2011/2013

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 004	--	--	0 02	0 004	--	--	0 004	--	0 0006	--	--	0 002	0 0004	--	--	0 0006	--	1E-07	7E-08	2E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 004	--	--	0 02	0 004	--	--	0 004	--	0 0007	--	--	0 003	0 0005	--	--	0 0007	--	1E-07	9E-08	2E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 01	0 002	--	--	0 002	--	0 0006	--	--	0 002	0 0004	--	--	0 0006	--	9E-08	7E-08	2E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 004	1	0 01	0 02	0 1	1	NA	1	0 007	0 0008	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	4E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 004	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 0008	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 09	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 08	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 004	1	0 009	0 02	0 1	1	NA	1	0 007	0 0009	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 008	2E-07	4E-07	6E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 004	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 0009	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 08	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 02	0 02	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 08	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-191. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Flat Creek

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 005	--	--	0 03	0 01	--	--	0 005	--	0 0007	--	--	0 004	0 002	--	--	0 0007	--	2E-07	9E-08	3E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 005	--	--	0 03	0 01	--	--	0 005	--	0 0009	--	--	0 004	0 002	--	--	0 0009	--	2E-07	1E-07	3E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 003	--	--	0 02	0 008	--	--	0 003	--	0 0007	--	--	0 004	0 002	--	--	0 0007	--	1E-07	9E-08	2E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 04	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 006	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 05	0 09	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 005	1	0 01	0 03	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 005	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 005	0 9	0 01	0 03	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 005	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 1	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 09	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 04	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 006	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 05	0 09	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 005	1	0 009	0 03	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 005	0 05	0 5	NA	0 5	0 008	2E-07	4E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 005	0 9	0 009	0 03	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 005	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 09	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 09	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 007	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 09	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 004	1	0 02	0 02	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 006	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 01	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 004	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 006	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 09	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 08	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-192. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Hawk Creek

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 005	--	--	0 02	0 0008	--	--	0 005	--	0 0008	--	--	0 003	0 00009	--	--	0 0008	--	2E-07	1E-07	3E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 005	--	--	0 02	0 0008	--	--	0 005	--	0 001	--	--	0 003	0 0001	--	--	0 001	--	2E-07	1E-07	3E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 003	--	--	0 02	0 0005	--	--	0 003	--	0 0008	--	--	0 003	0 00009	--	--	0 0008	--	1E-07	1E-07	2E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 006	1	0 01	0 03	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 006	0 9	0 01	0 03	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 006	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 005	1	0 009	0 03	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 008	3E-07	4E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 005	0 9	0 009	0 03	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 007	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 004	1	0 02	0 02	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 01	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 004	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-193. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Hunters

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 004	--	--	0 03	0 0006	--	--	0 004	--	0 0006	--	--	0 003	0 00007	--	--	0 0006	--	1E-07	8E-08	2E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 004	--	--	0 03	0 0006	--	--	0 004	--	0 0007	--	--	0 004	0 00008	--	--	0 0007	--	1E-07	1E-07	2E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 02	0 0004	--	--	0 002	--	0 0006	--	--	0 003	0 00007	--	--	0 0006	--	9E-08	8E-08	2E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 006	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 05	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 004	1	0 01	0 03	0 1	1	NA	1	0 007	0 0009	0 4	0 003	0 005	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	4E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 004	0 9	0 01	0 03	0 2	1	0 5	0 6	0 007	0 0009	0 3	0 003	0 005	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 006	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 004	1	0 009	0 03	0 1	1	NA	1	0 007	0 0009	0 4	0 003	0 005	0 05	0 5	NA	0 5	0 008	2E-07	4E-07	6E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 004	0 9	0 009	0 03	0 2	1	0 5	0 6	0 007	0 0009	0 3	0 003	0 005	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 007	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 02	0 02	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 006	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 01	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 006	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-194. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Jones Bay

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 005	--	--	0 02	0 0004	--	--	0 005	--	0 0008	--	--	0 003	0 00005	--	--	0 0008	--	2E-07	1E-07	3E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 005	--	--	0 02	0 0004	--	--	0 005	--	0 001	--	--	0 003	0 00006	--	--	0 001	--	2E-07	1E-07	3E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 003	--	--	0 01	0 0003	--	--	0 003	--	0 0008	--	--	0 003	0 00005	--	--	0 0008	--	1E-07	1E-07	2E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 006	1	0 01	0 02	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 006	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 005	1	0 009	0 02	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 008	3E-07	4E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 005	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 004	1	0 02	0 02	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 004	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-195. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Kamloops Island

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 004	--	--	0 04	0 002	--	--	0 004	--	0 0006	--	--	0 004	0 0002	--	--	0 0006	--	2E-07	8E-08	2E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 004	--	--	0 04	0 002	--	--	0 004	--	0 0007	--	--	0 005	0 0003	--	--	0 0007	--	2E-07	9E-08	3E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 003	--	--	0 02	0 001	--	--	0 003	--	0 0006	--	--	0 004	0 0002	--	--	0 0006	--	1E-07	8E-08	2E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 04	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 007	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 05	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 005	1	0 01	0 04	0 1	1	NA	1	0 007	0 0008	0 4	0 003	0 006	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	4E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 07	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 05	0 1	2	1	3	0 007	0 01	0 6	0 01	0 01	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 005	0 9	0 01	0 04	0 2	1	0 5	0 6	0 007	0 0008	0 3	0 003	0 006	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 06	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 1	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 04	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 007	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 05	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 005	1	0 009	0 04	0 1	1	NA	1	0 007	0 0009	0 4	0 003	0 006	0 05	0 5	NA	0 5	0 008	2E-07	4E-07	6E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 07	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 05	0 1	2	1	3	0 007	0 01	0 6	0 01	0 01	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 005	0 9	0 009	0 04	0 2	1	0 5	0 6	0 007	0 0009	0 3	0 003	0 006	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 1	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 008	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 02	0 03	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 007	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 06	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 04	0 1	2	1	3	0 01	0 01	0 6	0 01	0 01	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 02	0 03	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 007	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-196. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Kettle Falls

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 0009	--	--	0 03	0 0006	--	--	0 0009	--	0 0001	--	--	0 004	0 00007	--	--	0 0001	--	3E-08	2E-08	5E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 0009	--	--	0 03	0 0006	--	--	0 0009	--	0 0002	--	--	0 004	0 00009	--	--	0 0002	--	3E-08	2E-08	6E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 02	0 0004	--	--	0 0005	--	0 0001	--	--	0 004	0 00007	--	--	0 0001	--	2E-08	2E-08	4E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 04	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 006	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 05	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	1	0 01	0 03	0 1	1	NA	1	0 007	0 0004	0 4	0 003	0 005	0 05	0 5	NA	0 5	0 004	8E-08	1E-07	2E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 05	0 1	2	1	3	0 007	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 004	1E-05	1E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 9	0 01	0 03	0 2	1	0 5	0 6	0 007	0 0004	0 3	0 003	0 005	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 07	1	2	2	0 007	0 06	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 04	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 007	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 05	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	1	0 009	0 03	0 1	1	NA	1	0 007	0 0004	0 4	0 003	0 005	0 05	0 5	NA	0 5	0 008	9E-08	3E-07	4E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 01	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 9	0 009	0 03	0 2	1	0 5	0 6	0 007	0 0004	0 3	0 003	0 005	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 07	1	2	2	0 007	0 06	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 007	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	1	0 02	0 02	0 1	1	NA	1	0 01	0 0006	0 4	0 007	0 006	0 05	0 5	NA	0 5	0 02	1E-07	5E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 01	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 0006	0 3	0 007	0 006	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 01	0 06	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-197. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Lyons Island

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 02	0 001	--	--	0 002	--	0 0003	--	--	0 003	0 0001	--	--	0 0003	--	8E-08	4E-08	1E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 02	0 001	--	--	0 002	--	0 0004	--	--	0 003	0 0002	--	--	0 0004	--	8E-08	5E-08	1E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 01	0 0007	--	--	0 001	--	0 0003	--	--	0 003	0 0001	--	--	0 0003	--	5E-08	4E-08	9E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 01	0 03	0 1	1	NA	1	0 007	0 0005	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 004	1E-07	2E-07	3E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 004	1E-05	1E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 01	0 03	0 2	1	0 5	0 6	0 007	0 0005	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 07	1	2	2	0 007	0 06	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	1	0 009	0 02	0 1	1	NA	1	0 007	0 0006	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 008	1E-07	3E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 0006	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 06	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	1	0 02	0 02	0 1	1	NA	1	0 01	0 0008	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	1E-07	6E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 0008	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-198. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at McGuires

	Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
Media	**Pathway**	**Non-Cancer Child HI**									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																				**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion	0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion	0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion	ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion	0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion	0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion	ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion	0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion	0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion	0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																						
Outdoor Air	Inhalation		--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal	0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 004	--	--	0 02	0 0005	--	--	0 004	--	0 0006	--	--	0 003	0 00006	--	--	0 0006	--	1E-07	8E-08	2E-07
Boat Day Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal	0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 004	--	--	0 02	0 0005	--	--	0 004	--	0 0007	--	--	0 003	0 00008	--	--	0 0007	--	1E-07	1E-07	2E-07
Camping Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal	0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 002	--	--	0 01	0 0003	--	--	0 002	--	0 0006	--	--	0 003	0 00006	--	--	0 0006	--	9E-08	8E-08	2E-07
Total HI Across Pathways																				**Cancer Risk Across Pathways**		
Beach Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 004	1	0 01	0 02	0 1	1	NA	1	0 007	0 0009	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	4E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 004	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 0009	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 03	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 004	1	0 009	0 02	0 1	1	NA	1	0 007	0 0009	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 008	2E-07	4E-07	6E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 004	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 0009	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 04	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 003	1	0 02	0 02	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 08	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 003	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 08	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-199. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Mitchell Point

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 006	--	--	0 03	0 001	--	--	0 006	--	0 001	--	--	0 004	0 0001	--	--	0 001	--	2E-07	1E-07	4E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 006	--	--	0 03	0 001	--	--	0 006	--	0 001	--	--	0 005	0 0001	--	--	0 001	--	2E-07	2E-07	4E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 004	--	--	0 02	0 0007	--	--	0 004	--	0 001	--	--	0 004	0 0001	--	--	0 001	--	2E-07	1E-07	3E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 04	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 006	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 05	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 007	1	0 01	0 04	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 005	0 05	0 5	NA	0 5	0 004	3E-07	3E-07	6E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 07	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 05	0 1	2	1	3	0 007	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 007	0 9	0 01	0 04	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 005	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 1	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 04	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 007	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 05	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 007	1	0 009	0 04	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 006	0 05	0 5	NA	0 5	0 008	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 05	0 1	2	1	3	0 007	0 01	0 6	0 01	0 01	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 007	0 9	0 009	0 04	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 006	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 008	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 005	1	0 02	0 02	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 006	0 05	0 5	NA	0 5	0 02	3E-07	6E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 04	0 1	2	1	3	0 01	0 02	0 6	0 01	0 01	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 005	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 006	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-200. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Naborlee

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 02	0 0004	--	--	0 002	--	0 0003	--	--	0 002	0 00005	--	--	0 0003	--	8E-08	4E-08	1E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 02	0 0004	--	--	0 002	--	0 0004	--	--	0 002	0 00006	--	--	0 0004	--	8E-08	5E-08	1E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 01	0 0003	--	--	0 001	--	0 0003	--	--	0 002	0 00005	--	--	0 0003	--	5E-08	4E-08	9E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 01	0 02	0 1	1	NA	1	0 007	0 0006	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 004	1E-07	2E-07	3E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 004	1E-05	1E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 0006	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 06	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 009	0 02	0 1	1	NA	1	0 007	0 0006	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 008	1E-07	3E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 0006	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 06	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	1	0 02	0 02	0 1	1	NA	1	0 01	0 0008	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 04	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 0008	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 07	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-201. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Nez Perce

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 004	--	--	0 02	0 0005	--	--	0 004	--	0 0007	--	--	0 002	0 00006	--	--	0 0007	--	2E-07	8E-08	3E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 004	--	--	0 02	0 0005	--	--	0 004	--	0 0008	--	--	0 003	0 00007	--	--	0 0008	--	2E-07	1E-07	3E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 003	--	--	0 01	0 0003	--	--	0 003	--	0 0007	--	--	0 002	0 00006	--	--	0 0007	--	1E-07	8E-08	2E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 005	1	0 01	0 02	0 1	1	NA	1	0 007	0 0009	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	4E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 005	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 0009	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 005	1	0 009	0 02	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 008	2E-07	4E-07	6E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 005	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 004	1	0 02	0 02	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 004	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-202. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Northport Beach

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 009	--	--	0 05	0 03	--	--	0 009	--	0 001	--	--	0 006	0 004	--	--	0 001	--	3E-07	2E-07	5E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 009	--	--	0 05	0 03	--	--	0 009	--	0 001	--	--	0 007	0 005	--	--	0 001	--	3E-07	2E-07	5E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 005	--	--	0 03	0 02	--	--	0 005	--	0 001	--	--	0 006	0 004	--	--	0 001	--	2E-07	2E-07	4E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 06	0 2	2	1	0 8	0 007	0 01	0 9	0 01	0 009	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 07	0 1	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 009	1	0 01	0 06	0 2	1	NA	1	0 007	0 001	0 4	0 003	0 007	0 05	0 5	NA	0 5	0 004	4E-07	3E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 09	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 05	2	0 03	0 07	0 1	2	1	3	0 007	0 01	0 6	0 01	0 01	0 05	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 009	0 9	0 01	0 06	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 007	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 2	0 1	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 07	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 1	0 1	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 06	0 2	2	1	0 8	0 007	0 01	0 9	0 01	0 01	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 07	0 1	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 009	1	0 009	0 06	0 2	1	NA	1	0 007	0 002	0 4	0 003	0 008	0 05	0 5	NA	0 5	0 008	4E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 08	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 05	2	0 03	0 07	0 1	2	1	3	0 007	0 02	0 6	0 01	0 01	0 05	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 009	0 9	0 009	0 06	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 008	0 09	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 2	0 1	3	2	1	0 007	0 02	1	0 01	0 05	0 04	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 07	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 1	0 1	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 04	0 2	2	1	0 8	0 01	0 01	0 9	0 02	0 01	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 05	0 1	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 006	1	0 02	0 04	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 009	0 05	0 5	NA	0 5	0 02	3E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 07	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 05	0 1	2	1	3	0 01	0 02	0 6	0 01	0 01	0 05	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 006	0 9	0 02	0 04	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 009	0 09	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 1	3	2	1	0 01	0 02	1	0 02	0 05	0 04	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 1	0 1	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-203. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Upper Columbia R.V. Park

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 008	--	--	0 03	0 02	--	--	0 008	--	0 001	--	--	0 004	0 003	--	--	0 001	--	3E-07	1E-07	4E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 008	--	--	0 03	0 02	--	--	0 008	--	0 001	--	--	0 004	0 003	--	--	0 001	--	3E-07	2E-07	5E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 005	--	--	0 02	0 01	--	--	0 005	--	0 001	--	--	0 004	0 003	--	--	0 001	--	2E-07	1E-07	3E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 04	0 2	2	1	0 8	0 007	0 01	0 9	0 01	0 006	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 05	0 1	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 008	1	0 01	0 03	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 005	0 05	0 5	NA	0 5	0 004	3E-07	3E-07	6E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 008	0 9	0 01	0 03	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 005	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 1	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 09	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 04	0 2	2	1	0 8	0 007	0 01	0 9	0 01	0 006	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 05	0 1	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 008	1	0 009	0 03	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 005	0 05	0 5	NA	0 5	0 008	4E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 02	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 008	0 9	0 009	0 03	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 005	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 1	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 09	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 007	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 09	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 006	1	0 02	0 02	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 006	0 05	0 5	NA	0 5	0 02	3E-07	7E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 02	0 6	0 01	0 01	0 05	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 006	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 006	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 1	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 09	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-204. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Seven Bays

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 005	--	--	0 02	0 0006	--	--	0 005	--	0 0008	--	--	0 003	0 00007	--	--	0 0008	--	2E-07	1E-07	3E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 005	--	--	0 02	0 0006	--	--	0 005	--	0 001	--	--	0 003	0 00008	--	--	0 001	--	2E-07	1E-07	3E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 003	--	--	0 01	0 0004	--	--	0 003	--	0 0008	--	--	0 003	0 00007	--	--	0 0008	--	1E-07	1E-07	2E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 006	1	0 01	0 03	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 006	0 9	0 01	0 03	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 006	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 005	1	0 009	0 03	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 008	3E-07	4E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 005	0 9	0 009	0 03	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 007	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 004	1	0 02	0 02	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 004	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-205. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Spring Canyon

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 003	--	--	0 02	0 0005	--	--	0 003	--	0 0005	--	--	0 002	0 00006	--	--	0 0005	--	1E-07	7E-08	2E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 003	--	--	0 02	0 0005	--	--	0 003	--	0 0007	--	--	0 002	0 00007	--	--	0 0007	--	1E-07	8E-08	2E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 01	0 0003	--	--	0 002	--	0 0005	--	--	0 002	0 00006	--	--	0 0005	--	8E-08	7E-08	1E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 004	1	0 01	0 02	0 1	1	NA	1	0 007	0 0008	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	4E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 004	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 0008	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 004	1	0 009	0 02	0 1	1	NA	1	0 007	0 0009	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 008	2E-07	4E-07	6E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 004	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 0009	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 02	0 01	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 04	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 02	0 01	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 07	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-206. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Summer Island

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 006	--	--	0 02	0 002	--	--	0 006	--	0 0009	--	--	0 002	0 0002	--	--	0 0009	--	2E-07	1E-07	3E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 006	--	--	0 02	0 002	--	--	0 006	--	0 001	--	--	0 003	0 0003	--	--	0 001	--	2E-07	1E-07	4E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 004	--	--	0 01	0 001	--	--	0 004	--	0 0009	--	--	0 002	0 0002	--	--	0 0009	--	1E-07	1E-07	3E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 006	1	0 01	0 02	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 004	3E-07	2E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 006	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 006	1	0 009	0 02	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 008	3E-07	4E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 006	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 004	1	0 02	0 02	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 004	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-207. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Swawilla Basin

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 003	--	--	0 02	0 0004	--	--	0 003	--	0 0005	--	--	0 002	0 00004	--	--	0 0005	--	1E-07	7E-08	2E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 003	--	--	0 02	0 0004	--	--	0 003	--	0 0006	--	--	0 003	0 00005	--	--	0 0006	--	1E-07	8E-08	2E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 01	0 0002	--	--	0 002	--	0 0005	--	--	0 002	0 00004	--	--	0 0005	--	8E-08	7E-08	1E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 004	1	0 01	0 02	0 1	1	NA	1	0 007	0 0008	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	4E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 004	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 0008	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 004	1	0 009	0 02	0 1	1	NA	1	0 007	0 0008	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 008	2E-07	4E-07	6E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 004	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 0008	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 02	0 02	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 04	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 07	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-208. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Swimming Hole

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 008	--	--	0 07	0 08	--	--	0 008	--	0 001	--	--	0 008	0 009	--	--	0 001	--	3E-07	2E-07	5E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 008	--	--	0 07	0 08	--	--	0 008	--	0 001	--	--	0 009	0 01	--	--	0 001	--	3E-07	2E-07	5E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 005	--	--	0 04	0 05	--	--	0 005	--	0 001	--	--	0 008	0 009	--	--	0 001	--	2E-07	2E-07	4E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 07	0 2	2	1	0 8	0 007	0 01	0 9	0 01	0 01	0 06	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 08	0 2	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 04	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 009	1	0 01	0 07	0 2	1	NA	1	0 007	0 001	0 4	0 003	0 009	0 06	0 5	NA	0 5	0 004	4E-07	3E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 1	0 2	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 05	2	0 03	0 08	0 2	2	1	3	0 007	0 01	0 6	0 01	0 01	0 05	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 009	0 9	0 01	0 07	0 3	1	0 5	0 6	0 007	0 001	0 3	0 003	0 009	0 09	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 2	0 2	3	2	1	0 007	0 02	1	0 01	0 05	0 04	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 08	0 2	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 1	0 1	1	2	2	0 007	0 07	0 3	0 06	0 03	0 04	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 07	0 2	2	1	0 8	0 007	0 01	0 9	0 01	0 01	0 06	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 08	0 2	0 7	0 7	3	0 007	0 04	0 2	0 04	0 02	0 04	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 009	1	0 009	0 07	0 2	1	NA	1	0 007	0 002	0 4	0 003	0 01	0 06	0 5	NA	0 5	0 008	4E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 1	0 2	1	1	2	0 007	0 03	0 3	0 03	0 02	0 05	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 08	0 2	2	1	3	0 007	0 02	0 6	0 01	0 01	0 05	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 009	0 9	0 009	0 07	0 3	1	0 5	0 6	0 007	0 002	0 3	0 003	0 01	0 09	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 2	0 2	3	2	1	0 007	0 02	1	0 01	0 05	0 04	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 08	0 2	2	0 6	4	0 007	0 4	0 6	0 3	0 02	0 05	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 1	0 1	1	2	2	0 007	0 07	0 3	0 06	0 03	0 04	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 05	0 2	2	1	0 8	0 01	0 01	0 9	0 02	0 01	0 06	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 06	0 1	0 7	0 7	3	0 01	0 04	0 2	0 04	0 02	0 04	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 006	1	0 02	0 04	0 2	1	NA	1	0 01	0 002	0 4	0 007	0 01	0 06	0 5	NA	0 5	0 02	3E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 07	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 05	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 06	0 2	2	1	3	0 01	0 02	0 6	0 01	0 01	0 05	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 006	0 9	0 02	0 04	0 3	1	0 5	0 6	0 01	0 002	0 3	0 007	0 01	0 09	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 2	0 1	3	2	1	0 01	0 02	1	0 02	0 05	0 04	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 06	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 02	0 05	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 1	0 1	1	2	2	0 01	0 07	0 3	0 06	0 03	0 04	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-209. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Welty Bay

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 02	0 0005	--	--	0 002	--	0 0003	--	--	0 002	0 00006	--	--	0 0003	--	9E-08	4E-08	1E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 02	0 0005	--	--	0 002	--	0 0004	--	--	0 002	0 00008	--	--	0 0004	--	9E-08	5E-08	1E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 01	0 0003	--	--	0 001	--	0 0003	--	--	0 002	0 00006	--	--	0 0003	--	6E-08	4E-08	1E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 01	0 02	0 1	1	NA	1	0 007	0 0006	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 004	1E-07	2E-07	3E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 004	1E-05	1E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 0006	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 06	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 009	0 02	0 1	1	NA	1	0 007	0 0006	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 008	1E-07	3E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 0006	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 06	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	1	0 02	0 01	0 1	1	NA	1	0 01	0 0008	0 4	0 007	0 004	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 04	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 9	0 02	0 01	0 2	1	0 5	0 6	0 01	0 0008	0 3	0 007	0 004	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 07	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-210. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Whitestone Campground

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 02	0 0004	--	--	0 002	--	0 0003	--	--	0 002	0 00004	--	--	0 0003	--	7E-08	4E-08	1E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 02	0 0004	--	--	0 002	--	0 0004	--	--	0 003	0 00005	--	--	0 0004	--	7E-08	5E-08	1E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 01	0 0002	--	--	0 001	--	0 0003	--	--	0 002	0 00004	--	--	0 0003	--	5E-08	4E-08	9E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 01	0 02	0 1	1	NA	1	0 007	0 0006	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 004	1E-07	2E-07	3E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 004	1E-05	1E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 0006	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 06	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	1	0 009	0 02	0 1	1	NA	1	0 007	0 0006	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 008	1E-07	3E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 0006	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 06	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	1	0 02	0 02	0 1	1	NA	1	0 01	0 0008	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	1E-07	6E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 0008	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-211. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Wilmont Creek

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 003	--	--	0 02	0 0005	--	--	0 003	--	0 0004	--	--	0 002	0 00006	--	--	0 0004	--	1E-07	5E-08	2E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 003	--	--	0 02	0 0005	--	--	0 003	--	0 0005	--	--	0 003	0 00007	--	--	0 0005	--	1E-07	7E-08	2E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 01	0 0003	--	--	0 002	--	0 0004	--	--	0 002	0 00006	--	--	0 0004	--	7E-08	5E-08	1E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 01	0 02	0 1	1	NA	1	0 007	0 0007	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	3E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 004	1E-05	1E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 0007	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 009	0 02	0 1	1	NA	1	0 007	0 0007	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 008	2E-07	4E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 0007	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 02	0 02	0 1	1	NA	1	0 01	0 0009	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 0009	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-212. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Bossburg Flat - 2015 - SDU-01

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 009	--	--	0 03	0 006	--	--	0 009	--	0 001	--	--	0 003	0 0007	--	--	0 001	--	4E-07	2E-07	5E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 009	--	--	0 03	0 006	--	--	0 009	--	0 002	--	--	0 004	0 0008	--	--	0 002	--	4E-07	2E-07	6E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 006	--	--	0 02	0 004	--	--	0 006	--	0 001	--	--	0 003	0 0007	--	--	0 001	--	2E-07	2E-07	4E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 006	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 09	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 01	1	0 01	0 03	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 004	4E-07	3E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 05	2	0 03	0 04	0 1	2	1	3	0 007	0 02	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 01	0 9	0 01	0 03	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 09	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 05	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 08	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 006	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 09	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 01	1	0 009	0 03	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 005	0 05	0 5	NA	0 5	0 008	4E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 05	2	0 03	0 04	0 1	2	1	3	0 007	0 02	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 01	0 9	0 009	0 03	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 005	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 09	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 08	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 007	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 007	1	0 02	0 02	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 006	0 05	0 5	NA	0 5	0 02	3E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 02	0 6	0 01	0 01	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 007	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 006	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 09	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 08	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-213. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Bossburg Flat - 2015 - SDU-02

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 008	--	--	0 02	0 004	--	--	0 008	--	0 001	--	--	0 003	0 0005	--	--	0 001	--	3E-07	1E-07	4E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 008	--	--	0 02	0 004	--	--	0 008	--	0 001	--	--	0 003	0 0006	--	--	0 001	--	3E-07	2E-07	5E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 005	--	--	0 01	0 003	--	--	0 005	--	0 001	--	--	0 003	0 0005	--	--	0 001	--	2E-07	1E-07	3E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 008	1	0 01	0 03	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 004	4E-07	3E-07	6E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 008	0 9	0 01	0 03	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 09	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 08	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 008	1	0 009	0 02	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 008	4E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 02	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 008	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 09	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 08	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 006	1	0 02	0 02	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	3E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 02	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 006	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 09	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 08	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-214. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Bossburg Flat - 2015 - SDU-03

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 01	0 0005	--	--	0 002	--	0 0004	--	--	0 001	0 00006	--	--	0 0004	--	9E-08	5E-08	1E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 01	0 0005	--	--	0 002	--	0 0004	--	--	0 002	0 00008	--	--	0 0004	--	9E-08	5E-08	1E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 007	0 0003	--	--	0 001	--	0 0004	--	--	0 001	0 00006	--	--	0 0004	--	6E-08	5E-08	1E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 01	0 01	0 1	1	NA	1	0 007	0 0006	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 004	1E-07	2E-07	3E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 04	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 004	1E-05	1E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 01	0 01	0 2	1	0 5	0 6	0 007	0 0006	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 008	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 07	0 07	1	2	2	0 007	0 06	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 009	0 01	0 1	1	NA	1	0 007	0 0006	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 008	2E-07	4E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 04	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 02	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 009	0 01	0 2	1	0 5	0 6	0 007	0 0006	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 07	0 07	1	2	2	0 007	0 06	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 01	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 005	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	1	0 02	0 01	0 1	1	NA	1	0 01	0 0008	0 4	0 007	0 004	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 04	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 9	0 02	0 01	0 2	1	0 5	0 6	0 01	0 0008	0 3	0 007	0 004	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 07	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-215. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Bossburg Flat - 2015 - SDU-04

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 005	--	--	0 02	0 001	--	--	0 005	--	0 0008	--	--	0 002	0 0002	--	--	0 0008	--	2E-07	1E-07	3E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 005	--	--	0 02	0 001	--	--	0 005	--	0 001	--	--	0 002	0 0002	--	--	0 001	--	2E-07	1E-07	3E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 003	--	--	0 01	0 0009	--	--	0 003	--	0 0008	--	--	0 002	0 0002	--	--	0 0008	--	1E-07	1E-07	2E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 006	1	0 01	0 02	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 006	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 006	1	0 009	0 02	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 008	3E-07	4E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 006	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 004	1	0 02	0 01	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 004	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 04	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 004	0 9	0 02	0 01	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 004	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 07	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-216. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Bossburg Flat - 2015 - SDU-08

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 01	--	--	0 03	0 006	--	--	0 01	--	0 001	--	--	0 003	0 0007	--	--	0 001	--	4E-07	2E-07	6E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 01	--	--	0 03	0 006	--	--	0 01	--	0 002	--	--	0 004	0 0008	--	--	0 002	--	4E-07	2E-07	6E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 006	--	--	0 02	0 004	--	--	0 006	--	0 001	--	--	0 003	0 0007	--	--	0 001	--	2E-07	2E-07	4E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 04	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 09	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 01	1	0 01	0 03	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 004	4E-07	3E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 05	2	0 03	0 04	0 1	2	1	3	0 007	0 02	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 01	0 9	0 01	0 03	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 09	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 08	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 006	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 09	0 7	0 7	3	0 007	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 01	1	0 009	0 03	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 005	0 05	0 5	NA	0 5	0 008	4E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 06	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 05	2	0 03	0 04	0 1	2	1	3	0 007	0 02	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 01	0 9	0 009	0 03	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 005	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 09	3	2	1	0 007	0 02	1	0 01	0 05	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 09	0 08	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 007	0 05	1	0 4	0 3	0 02	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 007	1	0 02	0 02	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 006	0 05	0 5	NA	0 5	0 02	3E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 02	0 6	0 01	0 01	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 007	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 006	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 09	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 08	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-217. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Bossburg Flat - 2015 - SDU-09

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 004	--	--	0 02	0 002	--	--	0 004	--	0 0006	--	--	0 002	0 0002	--	--	0 0006	--	2E-07	8E-08	2E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 004	--	--	0 02	0 002	--	--	0 004	--	0 0007	--	--	0 002	0 0002	--	--	0 0007	--	2E-07	9E-08	3E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 003	--	--	0 01	0 0009	--	--	0 003	--	0 0006	--	--	0 002	0 0002	--	--	0 0006	--	1E-07	8E-08	2E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 005	1	0 01	0 02	0 1	1	NA	1	0 007	0 0008	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	4E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 005	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 0008	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 005	1	0 009	0 02	0 1	1	NA	1	0 007	0 0009	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 008	2E-07	4E-07	6E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 005	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 0009	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 003	1	0 02	0 01	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 004	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 08	0 8	0 08	0 04	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 003	0 9	0 02	0 01	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 004	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 07	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-218. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Bossburg Flat - 2015 - SDU-10

	Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
Media	**Pathway**	**Non-Cancer Child HI**									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																				**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion	0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion	0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion	ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion	0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion	0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion	ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion	0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion	0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion	0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																						
Outdoor Air	Inhalation		--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal	0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 004	--	--	0 02	0 001	--	--	0 004	--	0 0007	--	--	0 002	0 0002	--	--	0 0007	--	2E-07	8E-08	3E-07
Boat Day Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal	0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 004	--	--	0 02	0 001	--	--	0 004	--	0 0008	--	--	0 002	0 0002	--	--	0 0008	--	2E-07	1E-07	3E-07
Camping Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal	0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 003	--	--	0 01	0 0009	--	--	0 003	--	0 0007	--	--	0 002	0 0002	--	--	0 0007	--	1E-07	8E-08	2E-07
Total HI Across Pathways																				**Cancer Risk Across Pathways**		
Beach Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 04	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 005	1	0 01	0 02	0 1	1	NA	1	0 007	0 0009	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	4E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 005	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 0009	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 03	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 03	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 005	1	0 009	0 02	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 008	2E-07	4E-07	6E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 005	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 03	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 009	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 08	0 07	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 004	1	0 02	0 01	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 004	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 08	0 8	0 08	0 04	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 004	0 9	0 02	0 01	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 004	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 07	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-219. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Evans Campground - 2015 - SDU-05

	Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
Media	**Pathway**	**Non-Cancer Child HI**									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																				**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion	0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion	0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion	ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion	0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion	0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion	ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion	0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion	0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion	0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																						
Outdoor Air	Inhalation		--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal	0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 006	--	--	0 02	0 004	--	--	0 006	--	0 001	--	--	0 003	0 0005	--	--	0 001	--	2E-07	1E-07	4E-07
Boat Day Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal	0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 006	--	--	0 02	0 004	--	--	0 006	--	0 001	--	--	0 003	0 0006	--	--	0 001	--	2E-07	1E-07	4E-07
Camping Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal	0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 004	--	--	0 01	0 003	--	--	0 004	--	0 001	--	--	0 003	0 0005	--	--	0 001	--	2E-07	1E-07	3E-07
Total HI Across Pathways																				**Cancer Risk Across Pathways**		
Beach Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 007	1	0 01	0 03	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 004	3E-07	3E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 007	0 9	0 01	0 03	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 05	3	0 04	0 1	0 09	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 08	0 08	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 03	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 007	1	0 009	0 02	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 008	3E-07	4E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 007	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 05	3	0 03	0 1	0 09	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 08	0 08	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 005	1	0 02	0 02	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	3E-07	6E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 09	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 01	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 005	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 08	0 08	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-220. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Evans Campground - 2015 - SDU-06

	Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
Media	**Pathway**	**Non-Cancer Child HI**									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																				**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion	0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion	0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion	ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion	0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion	0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion	ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion	0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion	0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion	0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																						
Outdoor Air	Inhalation		--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal	0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 002	--	--	0 01	0 0003	--	--	0 002	--	0 0003	--	--	0 001	0 00003	--	--	0 0003	--	8E-08	4E-08	1E-07
Boat Day Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal	0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 002	--	--	0 01	0 0003	--	--	0 002	--	0 0004	--	--	0 002	0 00004	--	--	0 0004	--	8E-08	5E-08	1E-07
Camping Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal	0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal	0 001	--	--	0 007	0 0002	--	--	0 001	--	0 0003	--	--	0 001	0 00003	--	--	0 0003	--	5E-08	4E-08	1E-07
Total HI Across Pathways																				**Cancer Risk Across Pathways**		
Beach Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 04	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 003	1	0 01	0 01	0 1	1	NA	1	0 007	0 0006	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 004	1E-07	2E-07	3E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 08	0 8	0 08	0 04	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 004	1E-05	1E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 003	0 9	0 01	0 01	0 2	1	0 5	0 6	0 007	0 0006	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 04	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 03	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 008	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 07	0 07	1	2	2	0 007	0 06	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 03	0 02	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 004	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 003	1	0 009	0 01	0 1	1	NA	1	0 007	0 0006	0 4	0 003	0 003	0 05	0 5	NA	0 5	0 008	1E-07	3E-07	5E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 08	0 8	0 08	0 04	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 03	0 02	0 1	2	1	3	0 007	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 003	0 9	0 009	0 01	0 2	1	0 5	0 6	0 007	0 0006	0 3	0 003	0 003	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 04	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 03	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 008	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 07	0 07	1	2	2	0 007	0 06	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 03	2	0 04	0 01	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 005	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 002	1	0 02	0 01	0 1	1	NA	1	0 01	0 0008	0 4	0 007	0 004	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 08	0 8	0 08	0 04	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 002	0 9	0 02	0 01	0 2	1	0 5	0 6	0 01	0 0008	0 3	0 007	0 004	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 2	0 9	0 2	0 07	0 07	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-221. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Evans Campground - 2015 - SDU-07

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 008	--	--	0 02	0 003	--	--	0 008	--	0 001	--	--	0 002	0 0004	--	--	0 001	--	3E-07	2E-07	5E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 008	--	--	0 02	0 003	--	--	0 008	--	0 001	--	--	0 003	0 0005	--	--	0 001	--	3E-07	2E-07	5E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Sediment	Incidental Ingestion and Dermal		0 005	--	--	0 01	0 002	--	--	0 005	--	0 001	--	--	0 002	0 0004	--	--	0 001	--	2E-07	2E-07	4E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 009	1	0 01	0 02	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 004	4E-07	3E-07	7E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 05	2	0 03	0 04	0 1	2	1	3	0 007	0 01	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 009	0 9	0 01	0 02	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 09	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 08	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 03	0 03	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 005	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 04	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 009	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 009	1	0 009	0 02	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 004	0 05	0 5	NA	0 5	0 008	4E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 03	0 03	0 1	2	1	3	0 007	0 02	0 6	0 01	0 008	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 009	0 9	0 009	0 02	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 004	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 04	0 1	2	0 6	4	0 007	0 4	0 6	0 3	0 01	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 08	1	2	2	0 007	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 03	2	0 04	0 02	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 006	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 1	0 6	0 1	0 03	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 01	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 006	1	0 02	0 02	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 005	0 05	0 5	NA	0 5	0 02	3E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 09	0 8	0 08	0 05	0 1	1	1	2	0 01	0 03	0 3	0 03	0 02	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 04	2	0 04	0 03	0 1	2	1	3	0 01	0 02	0 6	0 01	0 009	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 006	0 9	0 02	0 02	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 005	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 05	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 9	2	0 9	0 03	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 01	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 2	0 9	0 2	0 08	0 08	1	2	2	0 01	0 07	0 3	0 06	0 03	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-222. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Relict Floodplain RFA-001

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 01	--	--	--	--	--	--	0 01	--	0 001	--	--	--	--	--	--	0 001	--	4E-07	2E-07	6E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 01	--	--	--	--	--	--	0 01	--	0 002	--	--	--	--	--	--	0 002	--	4E-07	2E-07	6E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 006	--	--	--	--	--	--	0 006	--	0 001	--	--	--	--	--	--	0 001	--	2E-07	2E-07	4E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 01	0 003	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	4E-07	3E-07	7E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 009	0 002	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	4E-07	5E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 007	1	0 02	0 004	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	3E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 02	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 007	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-223. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Relict Floodplain RFA-002

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 007	--	--	--	--	--	--	0 007	--	0 001	--	--	--	--	--	--	0 001	--	3E-07	1E-07	4E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 007	--	--	--	--	--	--	0 007	--	0 001	--	--	--	--	--	--	0 001	--	3E-07	1E-07	4E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 004	--	--	--	--	--	--	0 004	--	0 001	--	--	--	--	--	--	0 001	--	2E-07	1E-07	3E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 007	1	0 01	0 003	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	3E-07	3E-07	6E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 007	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 007	1	0 009	0 002	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	3E-07	4E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 007	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 005	1	0 02	0 004	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	3E-07	6E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 005	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-224. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Relict Floodplain RFA-003

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 01	--	--	--	--	--	--	0 01	--	0 002	--	--	--	--	--	--	0 002	--	4E-07	2E-07	6E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 01	--	--	--	--	--	--	0 01	--	0 002	--	--	--	--	--	--	0 002	--	4E-07	2E-07	7E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 007	--	--	--	--	--	--	0 007	--	0 002	--	--	--	--	--	--	0 002	--	3E-07	2E-07	5E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 01	0 003	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	5E-07	3E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 009	0 002	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	5E-07	5E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 008	1	0 02	0 004	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	4E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 02	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 008	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-225. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Relict Floodplain RFA-004

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 009	--	--	--	--	--	--	0 009	--	0 001	--	--	--	--	--	--	0 001	--	4E-07	2E-07	5E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 009	--	--	--	--	--	--	0 009	--	0 002	--	--	--	--	--	--	0 002	--	4E-07	2E-07	6E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 006	--	--	--	--	--	--	0 006	--	0 001	--	--	--	--	--	--	0 001	--	2E-07	2E-07	4E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 01	0 003	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	4E-07	3E-07	7E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 009	0 002	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	4E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 007	1	0 02	0 004	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	3E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 02	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 007	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-226. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Relict Floodplain RFA-005

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 008	--	--	--	--	--	--	0 008	--	0 001	--	--	--	--	--	--	0 001	--	3E-07	2E-07	5E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 008	--	--	--	--	--	--	0 008	--	0 001	--	--	--	--	--	--	0 001	--	3E-07	2E-07	5E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 005	--	--	--	--	--	--	0 005	--	0 001	--	--	--	--	--	--	0 001	--	2E-07	2E-07	4E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 009	1	0 01	0 003	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	4E-07	3E-07	7E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 009	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 009	1	0 009	0 002	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	4E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 009	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 006	1	0 02	0 004	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	3E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 02	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 006	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-227. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Relict Floodplain RFB-002

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 008	--	--	--	--	--	--	0 008	--	0 001	--	--	--	--	--	--	0 001	--	3E-07	1E-07	4E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 008	--	--	--	--	--	--	0 008	--	0 001	--	--	--	--	--	--	0 001	--	3E-07	2E-07	5E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 005	--	--	--	--	--	--	0 005	--	0 001	--	--	--	--	--	--	0 001	--	2E-07	1E-07	3E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 008	1	0 01	0 003	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	3E-07	3E-07	6E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 008	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 008	1	0 009	0 002	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	4E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 008	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 006	1	0 02	0 004	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	3E-07	7E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 02	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 006	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-228. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Relict Floodplain RFB-003

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 006	--	--	--	--	--	--	0 006	--	0 0009	--	--	--	--	--	--	0 0009	--	2E-07	1E-07	4E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 006	--	--	--	--	--	--	0 006	--	0 001	--	--	--	--	--	--	0 001	--	2E-07	1E-07	4E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 004	--	--	--	--	--	--	0 004	--	0 0009	--	--	--	--	--	--	0 0009	--	2E-07	1E-07	3E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 007	1	0 01	0 003	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	3E-07	2E-07	5E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 007	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 007	1	0 009	0 002	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	3E-07	4E-07	7E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 007	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 005	1	0 02	0 004	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	3E-07	6E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 005	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-229. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Relict Floodplain RFB-008

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 004	--	--	--	--	--	--	0 004	--	0 0006	--	--	--	--	--	--	0 0006	--	2E-07	7E-08	2E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 004	--	--	--	--	--	--	0 004	--	0 0007	--	--	--	--	--	--	0 0007	--	2E-07	9E-08	2E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 003	--	--	--	--	--	--	0 003	--	0 0006	--	--	--	--	--	--	0 0006	--	1E-07	7E-08	2E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 005	1	0 01	0 003	0 1	1	NA	1	0 007	0 0008	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	4E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 005	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 0008	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 004	1	0 009	0 002	0 1	1	NA	1	0 007	0 0009	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	2E-07	4E-07	6E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 004	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 0009	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 003	1	0 02	0 004	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 08	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 003	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	4E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 04	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-230. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Relict Floodplain RFC-003

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 02	--	--	--	--	--	--	0 02	--	0 002	--	--	--	--	--	--	0 002	--	6E-07	3E-07	9E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 02	--	--	--	--	--	--	0 02	--	0 003	--	--	--	--	--	--	0 003	--	6E-07	3E-07	9E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 009	--	--	--	--	--	--	0 009	--	0 002	--	--	--	--	--	--	0 002	--	4E-07	3E-07	6E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	8E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 02	1	0 01	0 003	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	6E-07	4E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 1	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 02	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 06	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	8E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 02	1	0 009	0 002	0 1	1	NA	1	0 007	0 003	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	6E-07	6E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 1	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 02	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 003	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 06	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 02	0 004	0 1	1	NA	1	0 01	0 003	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 04	0 02	0 1	2	1	3	0 01	0 02	0 6	0 01	0 007	0 04	0 7	0 5	1	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 003	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-231. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Relict Floodplain RFC-004

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 009	--	--	--	--	--	--	0 009	--	0 001	--	--	--	--	--	--	0 001	--	3E-07	2E-07	5E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 009	--	--	--	--	--	--	0 009	--	0 002	--	--	--	--	--	--	0 002	--	3E-07	2E-07	5E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 006	--	--	--	--	--	--	0 006	--	0 001	--	--	--	--	--	--	0 001	--	2E-07	2E-07	4E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 01	0 003	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	4E-07	3E-07	7E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 009	1	0 009	0 002	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	4E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 009	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 006	1	0 02	0 004	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	3E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 02	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 006	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-232. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Relict Floodplain RFC-005

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 02	--	--	--	--	--	--	0 02	--	0 002	--	--	--	--	--	--	0 002	--	6E-07	3E-07	9E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 02	--	--	--	--	--	--	0 02	--	0 003	--	--	--	--	--	--	0 003	--	6E-07	3E-07	9E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 01	--	--	--	--	--	--	0 01	--	0 002	--	--	--	--	--	--	0 002	--	4E-07	3E-07	7E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	8E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 02	1	0 01	0 003	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	6E-07	4E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 1	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 02	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 06	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	8E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 02	1	0 009	0 002	0 1	1	NA	1	0 007	0 003	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	7E-07	6E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 1	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 02	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 003	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 06	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 02	0 004	0 1	1	NA	1	0 01	0 003	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 04	0 02	0 1	2	1	3	0 01	0 02	0 6	0 01	0 007	0 04	0 7	0 5	1	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 003	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-233. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Relict Floodplain RFC-006

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 02	--	--	--	--	--	--	0 02	--	0 002	--	--	--	--	--	--	0 002	--	6E-07	3E-07	9E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 02	--	--	--	--	--	--	0 02	--	0 003	--	--	--	--	--	--	0 003	--	6E-07	3E-07	9E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 009	--	--	--	--	--	--	0 009	--	0 002	--	--	--	--	--	--	0 002	--	4E-07	3E-07	6E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	8E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 02	1	0 01	0 003	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	6E-07	4E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 1	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 02	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 06	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	8E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 02	1	0 009	0 002	0 1	1	NA	1	0 007	0 003	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	6E-07	6E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 1	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 02	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 003	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 06	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 02	0 004	0 1	1	NA	1	0 01	0 003	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 04	0 02	0 1	2	1	3	0 01	0 02	0 6	0 01	0 007	0 04	0 7	0 5	1	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 003	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-234. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Relict Floodplain RFC-007

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 009	--	--	--	--	--	--	0 009	--	0 001	--	--	--	--	--	--	0 001	--	4E-07	2E-07	5E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 009	--	--	--	--	--	--	0 009	--	0 002	--	--	--	--	--	--	0 002	--	4E-07	2E-07	6E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 006	--	--	--	--	--	--	0 006	--	0 001	--	--	--	--	--	--	0 001	--	2E-07	2E-07	4E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 01	0 003	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	4E-07	3E-07	7E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 009	0 002	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	4E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 007	1	0 02	0 004	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	3E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 02	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 007	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-235. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Relict Floodplain RFC-008

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 01	--	--	--	--	--	--	0 01	--	0 002	--	--	--	--	--	--	0 002	--	5E-07	2E-07	7E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 01	--	--	--	--	--	--	0 01	--	0 002	--	--	--	--	--	--	0 002	--	5E-07	3E-07	8E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 008	--	--	--	--	--	--	0 008	--	0 002	--	--	--	--	--	--	0 002	--	3E-07	2E-07	5E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 01	0 003	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	5E-07	4E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 009	0 002	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	6E-07	6E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 009	1	0 02	0 004	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	4E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 02	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 009	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-236. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Relict Floodplain RFD-002

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 01	--	--	--	--	--	--	0 01	--	0 002	--	--	--	--	--	--	0 002	--	5E-07	2E-07	7E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 01	--	--	--	--	--	--	0 01	--	0 002	--	--	--	--	--	--	0 002	--	5E-07	3E-07	7E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 007	--	--	--	--	--	--	0 007	--	0 002	--	--	--	--	--	--	0 002	--	3E-07	2E-07	5E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 01	0 003	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	5E-07	3E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 009	0 002	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	5E-07	6E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 008	1	0 02	0 004	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	4E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 02	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 008	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-237. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Relict Floodplain RFD-003

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 01	--	--	--	--	--	--	0 01	--	0 002	--	--	--	--	--	--	0 002	--	5E-07	2E-07	7E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 01	--	--	--	--	--	--	0 01	--	0 002	--	--	--	--	--	--	0 002	--	5E-07	3E-07	7E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 008	--	--	--	--	--	--	0 008	--	0 002	--	--	--	--	--	--	0 002	--	3E-07	2E-07	5E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 01	0 003	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	5E-07	4E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 04	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 01	1	0 009	0 002	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	5E-07	6E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	2E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 01	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 009	1	0 02	0 004	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	4E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 02	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 009	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-238. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Bossburg Flat - 2015 - UDU-01

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 007	--	--	--	--	--	--	0 007	--	0 001	--	--	--	--	--	--	0 001	--	3E-07	1E-07	4E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 007	--	--	--	--	--	--	0 007	--	0 001	--	--	--	--	--	--	0 001	--	3E-07	2E-07	4E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 005	--	--	--	--	--	--	0 005	--	0 001	--	--	--	--	--	--	0 001	--	2E-07	1E-07	3E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 008	1	0 01	0 003	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	3E-07	3E-07	6E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 008	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 008	1	0 009	0 002	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 008	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 005	1	0 02	0 004	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	3E-07	7E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 02	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 005	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-239. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Bossburg Flat - 2015 - UDU-02

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 006	--	--	--	--	--	--	0 006	--	0 0008	--	--	--	--	--	--	0 0008	--	2E-07	1E-07	3E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 006	--	--	--	--	--	--	0 006	--	0 001	--	--	--	--	--	--	0 001	--	2E-07	1E-07	3E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 004	--	--	--	--	--	--	0 004	--	0 0008	--	--	--	--	--	--	0 0008	--	1E-07	1E-07	2E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 006	1	0 01	0 003	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	3E-07	2E-07	5E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 006	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 006	1	0 009	0 002	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	3E-07	4E-07	7E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 006	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 004	1	0 02	0 004	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 004	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-240. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Bossburg Flat - 2015 - UDU-03

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 005	--	--	--	--	--	--	0 005	--	0 0007	--	--	--	--	--	--	0 0007	--	2E-07	9E-08	3E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 005	--	--	--	--	--	--	0 005	--	0 0009	--	--	--	--	--	--	0 0009	--	2E-07	1E-07	3E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 003	--	--	--	--	--	--	0 003	--	0 0007	--	--	--	--	--	--	0 0007	--	1E-07	9E-08	2E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 006	1	0 01	0 003	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	2E-07	2E-07	5E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 006	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 006	1	0 009	0 002	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	3E-07	4E-07	7E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 006	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 004	1	0 02	0 004	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 08	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 004	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-241. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Bossburg Flat - 2015 - UDU-04

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 008	--	--	--	--	--	--	0 008	--	0 001	--	--	--	--	--	--	0 001	--	3E-07	1E-07	4E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 008	--	--	--	--	--	--	0 008	--	0 001	--	--	--	--	--	--	0 001	--	3E-07	2E-07	5E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 005	--	--	--	--	--	--	0 005	--	0 001	--	--	--	--	--	--	0 001	--	2E-07	1E-07	3E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 008	1	0 01	0 003	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	3E-07	3E-07	6E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 008	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 008	1	0 009	0 002	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	4E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 008	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 006	1	0 02	0 004	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	3E-07	7E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 02	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 006	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-242. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Bossburg Flat - 2015 - UDU-05

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 006	--	--	--	--	--	--	0 006	--	0 0008	--	--	--	--	--	--	0 0008	--	2E-07	1E-07	3E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 006	--	--	--	--	--	--	0 006	--	0 0009	--	--	--	--	--	--	0 0009	--	2E-07	1E-07	3E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 003	--	--	--	--	--	--	0 003	--	0 0008	--	--	--	--	--	--	0 0008	--	1E-07	1E-07	2E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 006	1	0 01	0 003	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	3E-07	2E-07	5E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 006	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 006	1	0 009	0 002	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	3E-07	4E-07	7E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 006	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 004	1	0 02	0 004	0 1	1	NA	1	0 01	0 001	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	2E-07	6E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 01	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 004	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 001	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-243. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the RME: Recreational Visitor at Bossburg Flat - 2015 - UDU-06

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 02	2	0 02	0 003	0 1	2	1	0 8	--	0 009	0 9	0 009	0 001	0 05	0 9	0 4	0 3	--	9E-06	1E-05	2E-05
Fish (Kokanee)	Ingestion		0 1	0 6	0 09	0 01	0 08	0 7	0 7	3	--	0 04	0 2	0 03	0 005	0 03	0 3	0 3	1	--	7E-06	9E-06	2E-05
Fish (Northern Pike)	Ingestion		ND	1	NA	NA	0 1	1	NA	1	--	ND	0 4	NA	NA	0 05	0 5	NA	0 5	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 08	0 8	0 07	0 03	0 09	0 9	1	2	--	0 03	0 3	0 03	0 01	0 04	0 3	0 5	0 9	--	1E-05	2E-05	3E-05
Fish (Smallmouth Bass)	Ingestion		0 04	2	0 02	0 01	0 1	2	1	3	--	0 01	0 6	0 008	0 004	0 04	0 7	0 5	0 9	--	1E-05	1E-05	3E-05
Fish (Sturgeon)	Ingestion		ND	0 9	NA	NA	0 2	1	0 5	0 6	--	ND	0 3	NA	NA	0 08	0 4	0 2	0 2	--	4E-06	5E-06	1E-05
Fish (Sucker)	Ingestion		0 04	3	0 03	0 1	0 08	3	2	1	--	0 02	1	0 01	0 04	0 03	1	0 7	0 5	--	2E-05	2E-05	4E-05
Fish (Walleye)	Ingestion		0 9	2	0 9	0 02	0 09	2	0 6	4	--	0 4	0 6	0 3	0 006	0 03	0 7	0 2	1	--	7E-06	8E-06	1E-05
Fish (Whitefish)	Ingestion		0 2	0 9	0 1	0 06	0 07	1	2	2	--	0 06	0 3	0 06	0 02	0 03	0 4	0 8	0 6	--	2E-05	2E-05	4E-05
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 004	--	--	0 002	--	--	--	--	--	0 005	--	--	0 002	2E-08	1E-07	1E-07
Surface Water	Incidental Ingestion and Dermal		0 0006	--	0 01	0 003	0 002	0 04	--	0 007	0 005	0 0002	--	0 003	0 001	0 0008	0 02	--	0 003	0 002	2E-08	3E-08	5E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 008	--	--	--	--	--	--	0 008	--	0 001	--	--	--	--	--	--	0 001	--	3E-07	1E-07	5E-07
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 007	--	--	0 003	--	--	--	--	--	0 01	--	--	0 007	4E-08	3E-07	3E-07
Surface Water	Incidental Ingestion and Dermal		0 0004	--	0 009	0 002	0 001	0 03	--	0 005	0 004	0 0002	--	0 003	0 001	0 0006	0 02	--	0 002	0 002	2E-08	3E-08	4E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 008	--	--	--	--	--	--	0 008	--	0 001	--	--	--	--	--	--	0 001	--	3E-07	2E-07	5E-07
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 01	--	--	0 006	--	--	--	--	--	0 02	--	--	0 01	7E-08	5E-07	5E-07
Surface Water	Incidental Ingestion and Dermal		0 0008	--	0 02	0 004	0 003	0 05	--	0 009	0 007	0 0005	--	0 007	0 003	0 002	0 04	--	0 006	0 004	3E-08	6E-08	9E-08
Public Beach Soil	Incidental Ingestion and Dermal		0 005	--	--	--	--	--	--	0 005	--	0 001	--	--	--	--	--	--	0 001	--	2E-07	1E-07	4E-07
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 006	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 004	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 004	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 009	1	0 01	0 003	0 1	1	NA	1	0 007	0 001	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 004	4E-07	3E-07	7E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 05	2	0 03	0 01	0 1	2	1	3	0 007	0 01	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 004	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 009	0 9	0 01	0 003	0 2	1	0 5	0 6	0 007	0 001	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 004	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 004	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 004	7E-06	8E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 004	2E-05	2E-05	4E-05
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 03	0 005	0 1	2	1	0 8	0 007	0 01	0 9	0 01	0 002	0 05	0 9	0 4	0 3	0 008	1E-05	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 007	0 04	0 2	0 04	0 006	0 03	0 3	0 3	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 009	1	0 009	0 002	0 1	1	NA	1	0 007	0 002	0 4	0 003	0 001	0 05	0 5	NA	0 5	0 008	4E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 09	1	1	2	0 007	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 03	0 01	0 1	2	1	3	0 007	0 02	0 6	0 01	0 005	0 04	0 7	0 5	0 9	0 008	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 009	0 9	0 009	0 002	0 2	1	0 5	0 6	0 007	0 002	0 3	0 003	0 001	0 08	0 4	0 2	0 2	0 008	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 03	0 1	0 08	3	2	1	0 007	0 02	1	0 01	0 04	0 03	1	0 7	0 5	0 008	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 09	2	0 6	4	0 007	0 4	0 6	0 3	0 007	0 04	0 7	0 2	1	0 008	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 007	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 008	2E-05	2E-05	4E-05
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 03	2	0 04	0 007	0 1	2	1	0 8	0 01	0 01	0 9	0 02	0 004	0 05	1	0 4	0 3	0 02	9E-06	1E-05	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 1	0 6	0 1	0 02	0 08	0 7	0 7	3	0 01	0 04	0 2	0 04	0 008	0 03	0 3	0 3	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 006	1	0 02	0 004	0 1	1	NA	1	0 01	0 002	0 4	0 007	0 003	0 05	0 5	NA	0 5	0 02	3E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 09	0 8	0 08	0 03	0 1	1	1	2	0 01	0 03	0 3	0 03	0 01	0 04	0 4	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 04	2	0 04	0 02	0 1	2	1	3	0 01	0 02	0 6	0 01	0 007	0 04	0 7	0 5	0 9	0 02	1E-05	2E-05	3E-05
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 006	0 9	0 02	0 004	0 2	1	0 5	0 6	0 01	0 002	0 3	0 007	0 003	0 08	0 5	0 2	0 2	0 02	5E-06	6E-06	1E-05
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 05	3	0 04	0 1	0 08	3	2	1	0 01	0 02	1	0 02	0 04	0 03	1	0 7	0 5	0 02	2E-05	2E-05	4E-05
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 9	2	0 9	0 02	0 1	2	0 6	4	0 01	0 4	0 6	0 4	0 008	0 04	0 7	0 2	1	0 02	7E-06	9E-06	2E-05
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 2	0 9	0 2	0 06	0 07	1	2	2	0 01	0 07	0 3	0 06	0 02	0 03	0 5	0 8	0 6	0 02	2E-05	2E-05	4E-05

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-244. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at AA Campground

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0002	--	--	0 002	0 00005	--	--	0 0002	--	0 00003	--	--	0 0002	7E-06	--	--	0 00003	--	3E-09	2E-09	4E-09
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0002	--	--	0 002	0 00005	--	--	0 0002	--	0 00003	--	--	0 0002	6E-06	--	--	0 00003	--	3E-09	2E-09	4E-09
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0002	--	--	0 001	0 00004	--	--	0 0002	--	0 00003	--	--	0 0002	6E-06	--	--	0 00003	--	2E-09	1E-09	4E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0006	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0007	0 002	0 03	0 3	NA	0 3	0 0007	0 00005	0 1	0 0001	0 0003	0 01	0 1	NA	0 1	0 0005	5E-09	8E-09	1E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 004	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0007	0 002	0 05	0 3	0 1	0 1	0 0007	0 00005	0 07	0 0001	0 0003	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 005	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 002	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0006	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0002	0 3	0 0005	0 002	0 03	0 3	NA	0 3	0 001	0 00004	0 1	0 0001	0 0003	0 01	0 1	NA	0 1	0 001	6E-09	2E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 008	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 004	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0002	0 2	0 0005	0 002	0 05	0 3	0 1	0 1	0 001	0 00004	0 07	0 0001	0 0003	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 005	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 002	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0006	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0002	0 3	0 0009	0 002	0 03	0 3	NA	0 3	0 002	0 00006	0 1	0 0002	0 0004	0 01	0 1	NA	0 1	0 002	9E-09	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 008	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 004	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0002	0 2	0 0009	0 002	0 05	0 3	0 1	0 1	0 002	0 00006	0 07	0 0002	0 0004	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 005	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-245. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Barnaby Island Campground

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0001	--	--	0 002	0 00004	--	--	0 0001	--	0 00002	--	--	0 0002	5E-06	--	--	0 00002	--	2E-09	9E-10	2E-09
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0001	--	--	0 001	0 00003	--	--	0 0001	--	0 00002	--	--	0 0002	5E-06	--	--	0 00002	--	1E-09	8E-10	2E-09
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 00009	--	--	0 001	0 00003	--	--	0 00009	--	0 00002	--	--	0 0002	4E-06	--	--	0 00002	--	1E-09	8E-10	2E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 002	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0006	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0002	0 3	0 0007	0 002	0 03	0 3	NA	0 3	0 0007	0 00003	0 1	0 0001	0 0003	0 01	0 1	NA	0 1	0 0005	3E-09	8E-09	1E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 008	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 004	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0002	0 2	0 0007	0 002	0 05	0 3	0 1	0 1	0 0007	0 00003	0 07	0 0001	0 0003	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 005	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 002	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0005	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0001	0 3	0 0005	0 002	0 03	0 3	NA	0 3	0 001	0 00003	0 1	0 0001	0 0003	0 01	0 1	NA	0 1	0 001	5E-09	2E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 008	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 004	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0001	0 2	0 0005	0 002	0 05	0 3	0 1	0 1	0 001	0 00003	0 07	0 0001	0 0003	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 009	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 005	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 002	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0006	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0001	0 3	0 0009	0 001	0 03	0 3	NA	0 3	0 002	0 00004	0 1	0 0002	0 0003	0 01	0 1	NA	0 1	0 002	8E-09	4E-08	4E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 008	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 004	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0001	0 2	0 0009	0 001	0 05	0 3	0 1	0 1	0 002	0 00004	0 07	0 0002	0 0003	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 009	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 005	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-246. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Black Sand Beach

	Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
Media	**Pathway**	**Non-Cancer Child HI**									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																				**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion	0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion	0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion	ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion	0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion	0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion	ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion	0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion	0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion	0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																						
Outdoor Air	Inhalation		--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal	0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal	0 002	--	--	0 006	0 008	--	--	0 002	--	0 0003	--	--	0 0008	0 001	--	--	0 0003	--	3E-08	2E-08	4E-08
Boat Day Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal	0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal	0 002	--	--	0 006	0 008	--	--	0 002	--	0 0003	--	--	0 0008	0 001	--	--	0 0003	--	3E-08	1E-08	4E-08
Camping Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal	0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal	0 002	--	--	0 005	0 006	--	--	0 002	--	0 0003	--	--	0 0008	0 001	--	--	0 0003	--	2E-08	1E-08	3E-08
Total HI Across Pathways																				**Cancer Risk Across Pathways**		
Beach Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 008	0 5	0 006	0 007	0 04	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 02	0 1	0 02	0 01	0 03	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 008	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 002	0 3	0 0007	0 006	0 04	0 3	NA	0 3	0 0007	0 0003	0 1	0 0001	0 0009	0 01	0 1	NA	0 1	0 0005	3E-08	2E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 02	0 2	0 02	0 01	0 03	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 009	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 01	0 4	0 005	0 009	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 002	0 2	0 0007	0 006	0 06	0 3	0 1	0 1	0 0007	0 0003	0 07	0 0001	0 0009	0 02	0 1	0 05	0 05	0 0005	4E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 01	0 6	0 007	0 03	0 03	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 008	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 2	0 4	0 2	0 01	0 03	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 009	0 2	0 05	0 3	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 007	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 008	0 5	0 006	0 007	0 04	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 02	0 1	0 02	0 009	0 03	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 008	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 002	0 3	0 0005	0 006	0 04	0 3	NA	0 3	0 001	0 0003	0 1	0 0001	0 0009	0 01	0 1	NA	0 1	0 001	3E-08	3E-08	6E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 02	0 2	0 02	0 01	0 03	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 009	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 01	0 4	0 005	0 009	0 03	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 002	0 2	0 0005	0 006	0 06	0 3	0 1	0 1	0 001	0 0003	0 07	0 0001	0 0009	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 01	0 6	0 006	0 03	0 03	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 008	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 2	0 4	0 2	0 01	0 03	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 009	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 007	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 007	0 5	0 006	0 006	0 04	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 02	0 1	0 02	0 008	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 008	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 002	0 3	0 0009	0 005	0 03	0 3	NA	0 3	0 002	0 0003	0 1	0 0002	0 0009	0 01	0 1	NA	0 1	0 002	3E-08	5E-08	8E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 02	0 2	0 02	0 01	0 03	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 009	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 01	0 4	0 005	0 007	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 002	0 2	0 0009	0 005	0 05	0 3	0 1	0 1	0 002	0 0003	0 07	0 0002	0 0009	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 008	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 2	0 4	0 2	0 008	0 03	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 009	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 007	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-247. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Bossburg Flat-2011/2013

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 002	0 0005	--	--	0 0005	--	0 00006	--	--	0 0003	0 00007	--	--	0 00006	--	6E-09	3E-09	9E-09
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 002	0 0005	--	--	0 0004	--	0 00006	--	--	0 0003	0 00007	--	--	0 00006	--	5E-09	3E-09	9E-09
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0003	--	--	0 002	0 0004	--	--	0 0003	--	0 00006	--	--	0 0003	0 00007	--	--	0 00006	--	4E-09	3E-09	7E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 00008	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 0005	8E-09	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 00008	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0006	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0005	0 002	0 03	0 3	NA	0 3	0 001	0 00007	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 001	9E-09	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0005	0 002	0 05	0 3	0 1	0 1	0 001	0 00007	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0004	0 3	0 0009	0 002	0 03	0 3	NA	0 3	0 002	0 00009	0 1	0 0002	0 0004	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 004	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0004	0 2	0 0009	0 002	0 05	0 3	0 1	0 1	0 002	0 00009	0 07	0 0002	0 0004	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 005	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-248. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Bradbury

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0009	--	--	0 005	0 0002	--	--	0 0009	--	0 0001	--	--	0 0006	0 00003	--	--	0 0001	--	1E-08	7E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0009	--	--	0 004	0 0002	--	--	0 0009	--	0 0001	--	--	0 0006	0 00002	--	--	0 0001	--	1E-08	7E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0007	--	--	0 003	0 0001	--	--	0 0007	--	0 0001	--	--	0 0006	0 00002	--	--	0 0001	--	9E-09	6E-09	2E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 006	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 008	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	0 3	0 0007	0 005	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 0007	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 007	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 2	0 0007	0 005	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 0007	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 009	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 008	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0009	0 3	0 0005	0 005	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 0007	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	4E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 007	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0009	0 2	0 0005	0 005	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 0007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 008	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0007	0 3	0 0009	0 004	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0008	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0007	0 2	0 0009	0 004	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0008	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-249. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at China Bend

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0007	--	--	0 005	0 001	--	--	0 0007	--	0 0001	--	--	0 0006	0 0002	--	--	0 0001	--	1E-08	5E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0007	--	--	0 004	0 001	--	--	0 0007	--	0 0001	--	--	0 0006	0 0002	--	--	0 0001	--	9E-09	5E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 004	0 001	--	--	0 0005	--	0 0001	--	--	0 0006	0 0002	--	--	0 0001	--	7E-09	5E-09	1E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 006	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 008	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0008	0 3	0 0007	0 005	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 0007	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 008	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0008	0 2	0 0007	0 005	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 0007	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 009	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 008	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0007	0 3	0 0005	0 005	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 0007	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 007	0 03	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0007	0 2	0 0005	0 005	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 0007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 008	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0009	0 004	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0008	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0009	0 004	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0008	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-250. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Colville Flats

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0006	--	--	0 003	0 0003	--	--	0 0006	--	0 00009	--	--	0 0004	0 00003	--	--	0 00009	--	8E-09	5E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0006	--	--	0 002	0 0002	--	--	0 0006	--	0 00009	--	--	0 0003	0 00003	--	--	0 00009	--	8E-09	4E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 002	0 0002	--	--	0 0005	--	0 00008	--	--	0 0003	0 00003	--	--	0 00008	--	6E-09	4E-09	1E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0007	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0007	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0009	0 002	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0005	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0009	0 002	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0005	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-251. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Colville River

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0002	--	--	0 003	0 00004	--	--	0 0002	--	0 00003	--	--	0 0004	6E-06	--	--	0 00003	--	2E-09	1E-09	4E-09
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0002	--	--	0 003	0 00004	--	--	0 0002	--	0 00003	--	--	0 0004	5E-06	--	--	0 00003	--	2E-09	1E-09	4E-09
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0001	--	--	0 002	0 00003	--	--	0 0001	--	0 00002	--	--	0 0004	5E-06	--	--	0 00002	--	2E-09	1E-09	3E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0002	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 00004	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 0005	4E-09	8E-09	1E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0002	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 00004	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0002	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 00004	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 001	5E-09	2E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0002	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 00004	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0002	0 3	0 0009	0 003	0 03	0 3	NA	0 3	0 002	0 00005	0 1	0 0002	0 0005	0 01	0 1	NA	0 1	0 002	9E-09	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0002	0 2	0 0009	0 003	0 05	0 3	0 1	0 1	0 002	0 00005	0 07	0 0002	0 0005	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-252. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Crescent Bay

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0003	--	--	0 003	ND	--	--	0 0003	--	0 00004	--	--	0 0005	ND	--	--	0 00004	--	3E-09	2E-09	5E-09
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0002	--	--	0 003	ND	--	--	0 0002	--	0 00003	--	--	0 0005	ND	--	--	0 00003	--	3E-09	2E-09	5E-09
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0002	--	--	0 003	ND	--	--	0 0002	--	0 00003	--	--	0 0004	ND	--	--	0 00003	--	2E-09	2E-09	4E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0007	0 004	0 03	0 3	NA	0 3	0 0007	0 00005	0 1	0 0001	0 0006	0 01	0 1	NA	0 1	0 0005	5E-09	9E-09	1E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0007	0 004	0 05	0 3	0 1	0 1	0 0007	0 00005	0 07	0 0001	0 0006	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 00005	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 001	6E-09	2E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 00005	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0009	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0002	0 3	0 0009	0 003	0 03	0 3	NA	0 3	0 002	0 00006	0 1	0 0002	0 0006	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0002	0 2	0 0009	0 003	0 05	0 3	0 1	0 1	0 002	0 00006	0 07	0 0002	0 0006	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-253. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Dalles Orchard

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 008	0 008	--	--	0 002	--	0 0002	--	--	0 001	0 001	--	--	0 0002	--	2E-08	1E-08	3E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 002	--	--	0 008	0 008	--	--	0 002	--	0 0002	--	--	0 001	0 001	--	--	0 0002	--	2E-08	1E-08	3E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 006	0 006	--	--	0 001	--	0 0002	--	--	0 001	0 001	--	--	0 0002	--	2E-08	1E-08	3E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 009	0 04	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 01	0 03	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 008	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	0 3	0 0007	0 009	0 04	0 3	NA	0 3	0 0007	0 0003	0 1	0 0001	0 001	0 01	0 1	NA	0 1	0 0005	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 02	0 03	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 004	0 009	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 01	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 2	0 0007	0 009	0 06	0 3	0 1	0 1	0 0007	0 0003	0 07	0 0001	0 001	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 03	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 008	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 01	0 03	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 003	0 009	0 2	0 05	0 3	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 007	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 009	0 04	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 01	0 03	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 008	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 002	0 3	0 0005	0 008	0 04	0 3	NA	0 3	0 001	0 0002	0 1	0 0001	0 001	0 01	0 1	NA	0 1	0 001	2E-08	3E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 03	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 004	0 009	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 01	0 03	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 002	0 2	0 0005	0 008	0 06	0 3	0 1	0 1	0 001	0 0002	0 07	0 0001	0 001	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 03	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 008	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 01	0 03	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 009	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 007	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 007	0 04	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 01	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 008	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	0 3	0 0009	0 006	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 001	0 01	0 1	NA	0 1	0 002	2E-08	5E-08	7E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 03	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 004	0 009	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 009	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 2	0 0009	0 006	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 001	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 008	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 01	0 03	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 003	0 009	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 007	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-254. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Enterprise

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 004	0 00008	--	--	0 0005	--	0 00008	--	--	0 0005	0 00001	--	--	0 00008	--	7E-09	4E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 004	0 00008	--	--	0 0005	--	0 00007	--	--	0 0005	0 00001	--	--	0 00007	--	7E-09	4E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 003	0 00006	--	--	0 0004	--	0 00007	--	--	0 0005	0 00001	--	--	0 00007	--	5E-09	4E-09	9E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0009	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0007	0 004	0 03	0 3	NA	0 3	0 0007	0 00009	0 1	0 0001	0 0006	0 01	0 1	NA	0 1	0 0005	9E-09	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 007	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0007	0 004	0 05	0 3	0 1	0 1	0 0007	0 00009	0 07	0 0001	0 0006	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 008	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0009	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0005	0 004	0 03	0 3	NA	0 3	0 001	0 00009	0 1	0 0001	0 0006	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0005	0 004	0 05	0 3	0 1	0 1	0 001	0 00009	0 07	0 0001	0 0006	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0009	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0009	0 003	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0007	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0009	0 003	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0007	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-255. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Evans Campground-2011/2013

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 003	0 0005	--	--	0 0005	--	0 00007	--	--	0 0004	0 00007	--	--	0 00007	--	7E-09	4E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 003	0 0005	--	--	0 0005	--	0 00007	--	--	0 0004	0 00007	--	--	0 00007	--	6E-09	4E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 002	0 0004	--	--	0 0004	--	0 00007	--	--	0 0004	0 00006	--	--	0 00007	--	5E-09	3E-09	8E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 00009	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 0005	8E-09	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 00009	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 00008	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 001	9E-09	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 00008	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0004	0 3	0 0009	0 002	0 03	0 3	NA	0 3	0 002	0 00009	0 1	0 0002	0 0005	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0004	0 2	0 0009	0 002	0 05	0 3	0 1	0 1	0 002	0 00009	0 07	0 0002	0 0005	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-256. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Flat Creek

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0006	--	--	0 004	0 002	--	--	0 0006	--	0 00009	--	--	0 0006	0 0003	--	--	0 00009	--	8E-09	4E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0006	--	--	0 004	0 002	--	--	0 0006	--	0 00008	--	--	0 0006	0 0003	--	--	0 00008	--	7E-09	4E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 003	0 001	--	--	0 0004	--	0 00008	--	--	0 0006	0 0002	--	--	0 00008	--	6E-09	4E-09	1E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 008	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0007	0 3	0 0007	0 005	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 0007	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 007	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0007	0 2	0 0007	0 005	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 0007	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 008	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0009	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0005	0 004	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 0007	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 007	0 03	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0005	0 004	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 0007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 008	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0009	0 004	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0007	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0009	0 004	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0007	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-257. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Hawk Creek

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0006	--	--	0 004	0 0001	--	--	0 0006	--	0 00009	--	--	0 0005	0 00001	--	--	0 00009	--	8E-09	4E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0006	--	--	0 003	0 0001	--	--	0 0006	--	0 00008	--	--	0 0005	0 00001	--	--	0 00008	--	7E-09	4E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 003	0 00008	--	--	0 0004	--	0 00008	--	--	0 0004	0 00001	--	--	0 00008	--	6E-09	4E-09	1E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0007	0 3	0 0007	0 004	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 0006	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0007	0 2	0 0007	0 004	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 0006	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0009	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0009	0 003	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0006	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0009	0 003	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0006	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-258. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Hunters

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 004	0 00009	--	--	0 0005	--	0 00007	--	--	0 0006	0 00001	--	--	0 00007	--	6E-09	3E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 004	0 00008	--	--	0 0004	--	0 00007	--	--	0 0006	0 00001	--	--	0 00007	--	6E-09	3E-09	9E-09
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 003	0 00006	--	--	0 0004	--	0 00006	--	--	0 0005	0 00001	--	--	0 00006	--	5E-09	3E-09	8E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0009	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 008	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0007	0 004	0 03	0 3	NA	0 3	0 0007	0 00008	0 1	0 0001	0 0007	0 01	0 1	NA	0 1	0 0005	8E-09	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 007	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0007	0 004	0 05	0 3	0 1	0 1	0 0007	0 00008	0 07	0 0001	0 0007	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 008	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0009	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0005	0 004	0 03	0 3	NA	0 3	0 001	0 00008	0 1	0 0001	0 0006	0 01	0 1	NA	0 1	0 001	9E-09	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 007	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0005	0 004	0 05	0 3	0 1	0 1	0 001	0 00008	0 07	0 0001	0 0006	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 008	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0004	0 3	0 0009	0 003	0 03	0 3	NA	0 3	0 002	0 00009	0 1	0 0002	0 0007	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0004	0 2	0 0009	0 003	0 05	0 3	0 1	0 1	0 002	0 00009	0 07	0 0002	0 0007	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-259. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Jones Bay

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0006	--	--	0 003	0 00006	--	--	0 0006	--	0 00009	--	--	0 0004	8E-06	--	--	0 00009	--	8E-09	4E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0006	--	--	0 003	0 00006	--	--	0 0006	--	0 00008	--	--	0 0004	8E-06	--	--	0 00008	--	7E-09	4E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 002	0 00005	--	--	0 0004	--	0 00008	--	--	0 0004	8E-06	--	--	0 00008	--	6E-09	4E-09	1E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0009	0 003	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0006	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0009	0 003	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0006	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-260. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Kamloops Island

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 005	0 0003	--	--	0 0005	--	0 00007	--	--	0 0007	0 00004	--	--	0 00007	--	7E-09	4E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 005	0 0003	--	--	0 0005	--	0 00007	--	--	0 0007	0 00004	--	--	0 00007	--	6E-09	4E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 004	0 0002	--	--	0 0004	--	0 00007	--	--	0 0007	0 00004	--	--	0 00007	--	5E-09	4E-09	8E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 006	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 009	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0007	0 006	0 03	0 3	NA	0 3	0 0007	0 00009	0 1	0 0001	0 0008	0 01	0 1	NA	0 1	0 0005	9E-09	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 008	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0007	0 006	0 05	0 3	0 1	0 1	0 0007	0 00009	0 07	0 0001	0 0008	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 009	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 006	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 008	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0005	0 005	0 03	0 3	NA	0 3	0 001	0 00008	0 1	0 0001	0 0008	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 008	0 03	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0005	0 005	0 05	0 3	0 1	0 1	0 001	0 00008	0 07	0 0001	0 0008	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 009	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0004	0 3	0 0009	0 004	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0008	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 007	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0004	0 2	0 0009	0 004	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0008	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 008	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-261. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Kettle Falls

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0001	--	--	0 005	0 00009	--	--	0 0001	--	0 00002	--	--	0 0006	0 00001	--	--	0 00002	--	1E-09	8E-10	2E-09
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0001	--	--	0 004	0 00008	--	--	0 0001	--	0 00001	--	--	0 0006	0 00001	--	--	0 00001	--	1E-09	8E-10	2E-09
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 00008	--	--	0 003	0 00007	--	--	0 00008	--	0 00001	--	--	0 0006	0 00001	--	--	0 00001	--	1E-09	7E-10	2E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 006	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 008	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0002	0 3	0 0007	0 005	0 03	0 3	NA	0 3	0 0007	0 00003	0 1	0 0001	0 0007	0 01	0 1	NA	0 1	0 0005	3E-09	8E-09	1E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 007	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0002	0 2	0 0007	0 005	0 05	0 3	0 1	0 1	0 0007	0 00003	0 07	0 0001	0 0007	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 008	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0009	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 008	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0001	0 3	0 0005	0 004	0 03	0 3	NA	0 3	0 001	0 00003	0 1	0 0001	0 0007	0 01	0 1	NA	0 1	0 001	5E-09	2E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 007	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0001	0 2	0 0005	0 004	0 05	0 3	0 1	0 1	0 001	0 00003	0 07	0 0001	0 0007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 009	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 008	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0001	0 3	0 0009	0 004	0 03	0 3	NA	0 3	0 002	0 00004	0 1	0 0002	0 0007	0 01	0 1	NA	0 1	0 002	8E-09	4E-08	4E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0001	0 2	0 0009	0 004	0 05	0 3	0 1	0 1	0 002	0 00004	0 07	0 0002	0 0007	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 009	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-262. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Lyons Island

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0003	--	--	0 003	0 0002	--	--	0 0003	--	0 00004	--	--	0 0005	0 00002	--	--	0 00004	--	3E-09	2E-09	5E-09
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0002	--	--	0 003	0 0002	--	--	0 0002	--	0 00003	--	--	0 0004	0 00002	--	--	0 00003	--	3E-09	2E-09	5E-09
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0002	--	--	0 002	0 0001	--	--	0 0002	--	0 00003	--	--	0 0004	0 00002	--	--	0 00003	--	2E-09	2E-09	4E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0007	0 004	0 03	0 3	NA	0 3	0 0007	0 00005	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 0005	5E-09	9E-09	1E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0007	0 004	0 05	0 3	0 1	0 1	0 0007	0 00005	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 00005	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 001	6E-09	2E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 00005	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0002	0 3	0 0009	0 003	0 03	0 3	NA	0 3	0 002	0 00006	0 1	0 0002	0 0006	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0002	0 2	0 0009	0 003	0 05	0 3	0 1	0 1	0 002	0 00006	0 07	0 0002	0 0006	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-263. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at McGuires

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 003	0 00008	--	--	0 0005	--	0 00007	--	--	0 0004	0 00001	--	--	0 00007	--	6E-09	3E-09	9E-09
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 003	0 00007	--	--	0 0004	--	0 00006	--	--	0 0004	0 00001	--	--	0 00006	--	6E-09	3E-09	9E-09
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0003	--	--	0 002	0 00006	--	--	0 0003	--	0 00006	--	--	0 0004	0 00001	--	--	0 00006	--	4E-09	3E-09	8E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 00008	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 0005	8E-09	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 00008	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 00008	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 001	9E-09	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 00008	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0004	0 3	0 0009	0 003	0 03	0 3	NA	0 3	0 002	0 00009	0 1	0 0002	0 0006	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0004	0 2	0 0009	0 003	0 05	0 3	0 1	0 1	0 002	0 00009	0 07	0 0002	0 0006	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-264. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Mitchell Point

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0008	--	--	0 005	0 0002	--	--	0 0008	--	0 0001	--	--	0 0007	0 00002	--	--	0 0001	--	1E-08	6E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0007	--	--	0 005	0 0001	--	--	0 0007	--	0 0001	--	--	0 0006	0 00002	--	--	0 0001	--	9E-09	5E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0006	--	--	0 004	0 0001	--	--	0 0006	--	0 0001	--	--	0 0006	0 00002	--	--	0 0001	--	7E-09	5E-09	1E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 006	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 008	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0008	0 3	0 0007	0 005	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 0008	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 008	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0008	0 2	0 0007	0 005	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 0008	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 009	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 008	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0008	0 3	0 0005	0 005	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 0007	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 007	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0008	0 2	0 0005	0 005	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 0007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 008	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0009	0 004	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0008	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0009	0 004	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0008	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-265. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Naborlee

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0003	--	--	0 003	0 00006	--	--	0 0003	--	0 00004	--	--	0 0003	9E-06	--	--	0 00004	--	3E-09	2E-09	5E-09
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0002	--	--	0 002	0 00006	--	--	0 0002	--	0 00004	--	--	0 0003	8E-06	--	--	0 00004	--	3E-09	2E-09	5E-09
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0002	--	--	0 002	0 00005	--	--	0 0002	--	0 00003	--	--	0 0003	8E-06	--	--	0 00003	--	2E-09	2E-09	4E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 00005	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 0005	5E-09	9E-09	1E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 00005	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 00005	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 001	6E-09	2E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 00005	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0009	0 002	0 03	0 3	NA	0 3	0 002	0 00006	0 1	0 0002	0 0005	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0009	0 002	0 05	0 3	0 1	0 1	0 002	0 00006	0 07	0 0002	0 0005	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-266. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Nez Perce

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 003	0 00007	--	--	0 0005	--	0 00008	--	--	0 0004	0 00001	--	--	0 00008	--	7E-09	4E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 003	0 00007	--	--	0 0005	--	0 00007	--	--	0 0004	0 00001	--	--	0 00007	--	7E-09	4E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 002	0 00005	--	--	0 0004	--	0 00007	--	--	0 0004	9E-06	--	--	0 00007	--	5E-09	4E-09	9E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 00009	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 0005	9E-09	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 00009	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 00009	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 00009	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0009	0 002	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0005	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0009	0 002	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0005	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-267. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Northport Beach

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 008	0 005	--	--	0 001	--	0 0002	--	--	0 001	0 0007	--	--	0 0002	--	1E-08	8E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 007	0 005	--	--	0 001	--	0 0002	--	--	0 001	0 0007	--	--	0 0002	--	1E-08	8E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0008	--	--	0 006	0 004	--	--	0 0008	--	0 0001	--	--	0 001	0 0006	--	--	0 0001	--	1E-08	8E-09	2E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 01	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	0 3	0 0007	0 008	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 001	0 01	0 1	NA	0 1	0 0005	2E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 03	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 004	0 009	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 01	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 2	0 0007	0 008	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 001	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 008	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 01	0 03	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 009	0 2	0 05	0 3	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 007	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 008	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 01	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	0 3	0 0005	0 007	0 03	0 3	NA	0 3	0 001	0 0002	0 1	0 0001	0 001	0 01	0 1	NA	0 1	0 001	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 03	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 004	0 009	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 01	0 03	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 2	0 0005	0 007	0 05	0 3	0 1	0 1	0 001	0 0002	0 07	0 0001	0 001	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 01	0 03	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 009	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 007	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 007	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 009	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0009	0 3	0 0009	0 006	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 001	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 004	0 009	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 008	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0009	0 2	0 0009	0 006	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 001	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 01	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 009	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 007	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-268. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Upper Columbia R.V. Park

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 005	0 003	--	--	0 001	--	0 0001	--	--	0 0006	0 0004	--	--	0 0001	--	1E-08	7E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0009	--	--	0 004	0 003	--	--	0 0009	--	0 0001	--	--	0 0006	0 0004	--	--	0 0001	--	1E-08	7E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0007	--	--	0 003	0 002	--	--	0 0007	--	0 0001	--	--	0 0006	0 0004	--	--	0 0001	--	9E-09	7E-09	2E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 008	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	0 3	0 0007	0 005	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 0007	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 007	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 2	0 0007	0 005	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 0007	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 008	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0009	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 008	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0009	0 3	0 0005	0 004	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 0007	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	4E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 007	0 03	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0009	0 2	0 0005	0 004	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 0007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 008	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 001	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0008	0 3	0 0009	0 004	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0007	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0008	0 2	0 0009	0 004	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0007	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-269. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Seven Bays

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0006	--	--	0 004	0 00008	--	--	0 0006	--	0 00008	--	--	0 0005	0 00001	--	--	0 00008	--	8E-09	4E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 003	0 00008	--	--	0 0005	--	0 00008	--	--	0 0005	0 00001	--	--	0 00008	--	7E-09	4E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 003	0 00006	--	--	0 0004	--	0 00008	--	--	0 0004	0 00001	--	--	0 00008	--	6E-09	4E-09	1E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0007	0 004	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 0006	0 01	0 1	NA	0 1	0 0005	9E-09	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0007	0 004	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 0006	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 00009	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 00009	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0009	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0009	0 003	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0006	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0009	0 003	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0006	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-270. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Spring Canyon

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 003	0 00007	--	--	0 0004	--	0 00005	--	--	0 0003	0 00001	--	--	0 00005	--	5E-09	3E-09	8E-09
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 002	0 00007	--	--	0 0004	--	0 00005	--	--	0 0003	9E-06	--	--	0 00005	--	5E-09	3E-09	7E-09
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0003	--	--	0 002	0 00005	--	--	0 0003	--	0 00005	--	--	0 0003	9E-06	--	--	0 00005	--	4E-09	3E-09	6E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0004	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 00007	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 0005	7E-09	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0004	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 00007	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0004	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 00007	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 001	8E-09	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0004	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 00007	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0009	0 002	0 03	0 3	NA	0 3	0 002	0 00008	0 1	0 0002	0 0005	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0009	0 002	0 05	0 3	0 1	0 1	0 002	0 00008	0 07	0 0002	0 0005	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-271. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Summer Island

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0007	--	--	0 003	0 0003	--	--	0 0007	--	0 0001	--	--	0 0004	0 00004	--	--	0 0001	--	9E-09	5E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0007	--	--	0 003	0 0003	--	--	0 0007	--	0 0001	--	--	0 0004	0 00004	--	--	0 0001	--	9E-09	5E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 002	0 0002	--	--	0 0005	--	0 00009	--	--	0 0004	0 00004	--	--	0 00009	--	7E-09	5E-09	1E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0008	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0008	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0007	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0007	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0009	0 002	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0005	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0009	0 002	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0005	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-272. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Swawilla Basin

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 003	0 00005	--	--	0 0004	--	0 00006	--	--	0 0004	7E-06	--	--	0 00006	--	5E-09	3E-09	8E-09
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 003	0 00005	--	--	0 0004	--	0 00006	--	--	0 0004	7E-06	--	--	0 00006	--	5E-09	3E-09	8E-09
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0003	--	--	0 002	0 00004	--	--	0 0003	--	0 00005	--	--	0 0003	7E-06	--	--	0 00005	--	4E-09	3E-09	7E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 00007	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 0005	7E-09	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 00007	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0004	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 00007	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 001	8E-09	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0004	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 00007	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0004	0 3	0 0009	0 002	0 03	0 3	NA	0 3	0 002	0 00008	0 1	0 0002	0 0005	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0004	0 2	0 0009	0 002	0 05	0 3	0 1	0 1	0 002	0 00008	0 07	0 0002	0 0005	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-273. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Swimming Hole

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 01	0 01	--	--	0 001	--	0 0002	--	--	0 001	0 002	--	--	0 0002	--	1E-08	8E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 009	0 01	--	--	0 001	--	0 0002	--	--	0 001	0 001	--	--	0 0002	--	1E-08	8E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0008	--	--	0 007	0 008	--	--	0 0008	--	0 0001	--	--	0 001	0 001	--	--	0 0001	--	1E-08	7E-09	2E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 01	0 04	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 002	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 01	0 03	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 003	0 008	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	0 3	0 0007	0 01	0 04	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 001	0 01	0 1	NA	0 1	0 0005	2E-08	1E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 02	0 03	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 004	0 009	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 01	0 04	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 2	0 0007	0 01	0 06	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 001	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 03	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 008	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 01	0 03	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 003	0 009	0 2	0 05	0 3	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 03	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 008	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 01	0 04	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 002	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 01	0 03	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 003	0 008	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	0 3	0 0005	0 009	0 04	0 3	NA	0 3	0 001	0 0002	0 1	0 0001	0 001	0 01	0 1	NA	0 1	0 001	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 02	0 03	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 004	0 009	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 01	0 04	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 2	0 0005	0 009	0 06	0 3	0 1	0 1	0 001	0 0002	0 07	0 0001	0 001	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 03	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 008	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 01	0 03	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 003	0 009	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 03	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 008	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 008	0 04	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 002	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 01	0 03	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 003	0 008	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0009	0 3	0 0009	0 007	0 04	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 001	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 03	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 004	0 009	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 01	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 01	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0009	0 2	0 0009	0 007	0 06	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 001	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 03	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 008	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 01	0 03	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 003	0 009	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 007	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-274. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Welty Bay

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0003	--	--	0 002	0 00008	--	--	0 0003	--	0 00004	--	--	0 0003	0 00001	--	--	0 00004	--	4E-09	2E-09	6E-09
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0003	--	--	0 002	0 00007	--	--	0 0003	--	0 00004	--	--	0 0003	0 00001	--	--	0 00004	--	4E-09	2E-09	6E-09
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0002	--	--	0 002	0 00006	--	--	0 0002	--	0 00004	--	--	0 0003	0 00001	--	--	0 00004	--	3E-09	2E-09	5E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0004	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 00006	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 0005	6E-09	9E-09	1E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0004	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 00006	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0006	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0005	0 002	0 03	0 3	NA	0 3	0 001	0 00005	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 001	7E-09	2E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0005	0 002	0 05	0 3	0 1	0 1	0 001	0 00005	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0009	0 002	0 03	0 3	NA	0 3	0 002	0 00007	0 1	0 0002	0 0004	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0009	0 002	0 05	0 3	0 1	0 1	0 002	0 00007	0 07	0 0002	0 0004	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-275. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Whitestone Campground

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0002	--	--	0 003	0 00005	--	--	0 0002	--	0 00003	--	--	0 0004	7E-06	--	--	0 00003	--	3E-09	2E-09	5E-09
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0002	--	--	0 003	0 00005	--	--	0 0002	--	0 00003	--	--	0 0004	7E-06	--	--	0 00003	--	3E-09	2E-09	4E-09
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0002	--	--	0 002	0 00004	--	--	0 0002	--	0 00003	--	--	0 0003	7E-06	--	--	0 00003	--	2E-09	2E-09	4E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 00005	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 0005	5E-09	8E-09	1E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 006	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 00005	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0002	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 00004	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 001	6E-09	2E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0002	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 00004	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0002	0 3	0 0009	0 002	0 03	0 3	NA	0 3	0 002	0 00006	0 1	0 0002	0 0005	0 01	0 1	NA	0 1	0 002	9E-09	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0002	0 2	0 0009	0 002	0 05	0 3	0 1	0 1	0 002	0 00006	0 07	0 0002	0 0005	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-276. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Wilmont Creek

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 003	0 00007	--	--	0 0004	--	0 00005	--	--	0 0004	0 00001	--	--	0 00005	--	5E-09	3E-09	7E-09
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0003	--	--	0 003	0 00007	--	--	0 0003	--	0 00005	--	--	0 0004	9E-06	--	--	0 00005	--	4E-09	2E-09	7E-09
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0003	--	--	0 002	0 00005	--	--	0 0003	--	0 00005	--	--	0 0003	9E-06	--	--	0 00005	--	3E-09	2E-09	6E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0004	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 00007	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 0005	6E-09	9E-09	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0004	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 00007	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0004	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 00006	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 001	7E-09	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0004	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 00006	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0009	0 002	0 03	0 3	NA	0 3	0 002	0 00007	0 1	0 0002	0 0005	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0009	0 002	0 05	0 3	0 1	0 1	0 002	0 00007	0 07	0 0002	0 0005	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-277. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Bossburg Flat - 2015 - SDU-01

	Target Organ System:	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
Media	**Pathway**	**Non-Cancer Child HI**									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																				**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion	0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion	0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion	ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion	0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion	0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion	ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion	0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion	0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion	0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																						
Outdoor Air	Inhalation		--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal	0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal	0 001	--	--	0 004	0 0008	--	--	0 001	--	0 0002	--	--	0 0005	0 0001	--	--	0 0002	--	2E-08	9E-09	2E-08
Boat Day Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal	0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal	0 001	--	--	0 004	0 0008	--	--	0 001	--	0 0002	--	--	0 0005	0 0001	--	--	0 0002	--	1E-08	9E-09	2E-08
Camping Trips																						
Outdoor Air	Inhalation	--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal	0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal	0 0009	--	--	0 003	0 0006	--	--	0 0009	--	0 0002	--	--	0 0005	0 0001	--	--	0 0002	--	1E-08	8E-09	2E-08
Total HI Across Pathways																				**Cancer Risk Across Pathways**		
Beach Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 007	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0009	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 001	0 3	0 0007	0 004	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 0006	0 01	0 1	NA	0 1	0 0005	2E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 009	0 4	0 005	0 007	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 001	0 2	0 0007	0 004	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 0006	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 2	0 4	0 2	0 008	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 007	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0009	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 001	0 3	0 0005	0 004	0 03	0 3	NA	0 3	0 001	0 0002	0 1	0 0001	0 0006	0 01	0 1	NA	0 1	0 001	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 009	0 4	0 005	0 006	0 03	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 001	0 2	0 0005	0 004	0 05	0 3	0 1	0 1	0 001	0 0002	0 07	0 0001	0 0006	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																						
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)		0 007	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0009	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)		0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)		0 001	0 3	0 0009	0 003	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0006	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)		0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)		0 009	0 4	0 005	0 006	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)		0 001	0 2	0 0009	0 003	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0006	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)		0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)		0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)		0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-278. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Bossburg Flat - 2015 - SDU-02

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 003	0 0006	--	--	0 001	--	0 0001	--	--	0 0004	0 00008	--	--	0 0001	--	1E-08	7E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 003	0 0006	--	--	0 001	--	0 0001	--	--	0 0004	0 00008	--	--	0 0001	--	1E-08	7E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0008	--	--	0 002	0 0005	--	--	0 0008	--	0 0001	--	--	0 0004	0 00008	--	--	0 0001	--	1E-08	7E-09	2E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 0005	2E-08	1E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 0002	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 001	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 03	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 0002	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0008	0 3	0 0009	0 003	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0006	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0008	0 2	0 0009	0 003	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0006	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-279. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Bossburg Flat - 2015 - SDU-03

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0003	--	--	0 002	0 00008	--	--	0 0003	--	0 00004	--	--	0 0002	0 00001	--	--	0 00004	--	4E-09	2E-09	6E-09
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0003	--	--	0 002	0 00007	--	--	0 0003	--	0 00004	--	--	0 0002	0 00001	--	--	0 00004	--	4E-09	2E-09	6E-09
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0002	--	--	0 001	0 00006	--	--	0 0002	--	0 00004	--	--	0 0002	0 00001	--	--	0 00004	--	3E-09	2E-09	5E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0006	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0004	0 3	0 0007	0 002	0 03	0 3	NA	0 3	0 0007	0 00006	0 1	0 0001	0 0003	0 01	0 1	NA	0 1	0 0005	6E-09	9E-09	1E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 004	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0004	0 2	0 0007	0 002	0 05	0 3	0 1	0 1	0 0007	0 00006	0 07	0 0001	0 0003	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 005	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 002	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0006	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0005	0 002	0 03	0 3	NA	0 3	0 001	0 00005	0 1	0 0001	0 0003	0 01	0 1	NA	0 1	0 001	7E-09	2E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 008	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 004	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0005	0 002	0 05	0 3	0 1	0 1	0 001	0 00005	0 07	0 0001	0 0003	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 005	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 002	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0006	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0009	0 002	0 03	0 3	NA	0 3	0 002	0 00007	0 1	0 0002	0 0004	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 008	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 004	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0009	0 002	0 05	0 3	0 1	0 1	0 002	0 00007	0 07	0 0002	0 0004	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 005	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-280. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Bossburg Flat - 2015 - SDU-04

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0006	--	--	0 002	0 0002	--	--	0 0006	--	0 00009	--	--	0 0003	0 00003	--	--	0 00009	--	8E-09	5E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0006	--	--	0 002	0 0002	--	--	0 0006	--	0 00009	--	--	0 0003	0 00003	--	--	0 00009	--	8E-09	5E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 002	0 0001	--	--	0 0005	--	0 00008	--	--	0 0003	0 00003	--	--	0 00008	--	6E-09	4E-09	1E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0007	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0007	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0005	0 002	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0005	0 002	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0009	0 002	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0005	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0009	0 002	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0005	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-281. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Bossburg Flat - 2015 - SDU-08

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 004	0 0009	--	--	0 001	--	0 0002	--	--	0 0005	0 0001	--	--	0 0002	--	2E-08	9E-09	3E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 004	0 0008	--	--	0 001	--	0 0002	--	--	0 0005	0 0001	--	--	0 0002	--	2E-08	9E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0009	--	--	0 003	0 0006	--	--	0 0009	--	0 0002	--	--	0 0005	0 0001	--	--	0 0002	--	1E-08	8E-09	2E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 005	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0009	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	0 3	0 0007	0 004	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 0006	0 01	0 1	NA	0 1	0 0005	2E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 007	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 2	0 0007	0 004	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 0006	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 008	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	0 3	0 0005	0 004	0 03	0 3	NA	0 3	0 001	0 0002	0 1	0 0001	0 0006	0 01	0 1	NA	0 1	0 001	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 03	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 2	0 0005	0 004	0 05	0 3	0 1	0 1	0 001	0 0002	0 07	0 0001	0 0006	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0009	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	0 3	0 0009	0 003	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0006	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 2	0 0009	0 003	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0006	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-282. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Bossburg Flat - 2015 - SDU-09

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 002	0 0002	--	--	0 0005	--	0 00007	--	--	0 0003	0 00003	--	--	0 00007	--	7E-09	4E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 002	0 0002	--	--	0 0005	--	0 00007	--	--	0 0003	0 00003	--	--	0 00007	--	6E-09	4E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 002	0 0002	--	--	0 0004	--	0 00007	--	--	0 0003	0 00003	--	--	0 00007	--	5E-09	4E-09	9E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 00009	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 0005	9E-09	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 00009	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0005	0 002	0 03	0 3	NA	0 3	0 001	0 00009	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0005	0 002	0 05	0 3	0 1	0 1	0 001	0 00009	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0009	0 002	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0005	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0009	0 002	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0005	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-283. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Bossburg Flat - 2015 - SDU-10

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0006	--	--	0 002	0 0002	--	--	0 0006	--	0 00008	--	--	0 0003	0 00003	--	--	0 00008	--	7E-09	4E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0005	--	--	0 002	0 0002	--	--	0 0005	--	0 00008	--	--	0 0003	0 00003	--	--	0 00008	--	7E-09	4E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0004	--	--	0 002	0 0002	--	--	0 0004	--	0 00007	--	--	0 0003	0 00003	--	--	0 00007	--	5E-09	4E-09	9E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 0005	9E-09	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0006	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0006	0 3	0 0005	0 002	0 03	0 3	NA	0 3	0 001	0 00009	0 1	0 0001	0 0004	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0006	0 2	0 0005	0 002	0 05	0 3	0 1	0 1	0 001	0 00009	0 07	0 0001	0 0004	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0005	0 3	0 0009	0 002	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0004	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0005	0 2	0 0009	0 002	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0004	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-284. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Evans Campground - 2015 - SDU-05

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0008	--	--	0 003	0 0006	--	--	0 0008	--	0 0001	--	--	0 0004	0 00008	--	--	0 0001	--	1E-08	6E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0008	--	--	0 003	0 0006	--	--	0 0008	--	0 0001	--	--	0 0004	0 00008	--	--	0 0001	--	1E-08	6E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0006	--	--	0 002	0 0004	--	--	0 0006	--	0 0001	--	--	0 0004	0 00007	--	--	0 0001	--	8E-09	5E-09	1E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 007	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0009	0 3	0 0007	0 004	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0009	0 2	0 0007	0 004	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0008	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 03	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0008	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0007	0 3	0 0009	0 003	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0006	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	6E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 002	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0007	0 2	0 0009	0 003	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0006	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-285. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Evans Campground - 2015 - SDU-06

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0003	--	--	0 002	0 00004	--	--	0 0003	--	0 00004	--	--	0 0002	6E-06	--	--	0 00004	--	4E-09	2E-09	6E-09
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0003	--	--	0 002	0 00004	--	--	0 0003	--	0 00004	--	--	0 0002	5E-06	--	--	0 00004	--	3E-09	2E-09	5E-09
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0002	--	--	0 001	0 00003	--	--	0 0002	--	0 00004	--	--	0 0002	5E-06	--	--	0 00004	--	3E-09	2E-09	4E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0006	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0007	0 002	0 03	0 3	NA	0 3	0 0007	0 00006	0 1	0 0001	0 0003	0 01	0 1	NA	0 1	0 0005	5E-09	9E-09	1E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 004	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0007	0 002	0 05	0 3	0 1	0 1	0 0007	0 00006	0 07	0 0001	0 0003	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 005	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 002	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0006	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0005	0 002	0 03	0 3	NA	0 3	0 001	0 00005	0 1	0 0001	0 0003	0 01	0 1	NA	0 1	0 001	7E-09	2E-08	2E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 008	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 004	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0005	0 002	0 05	0 3	0 1	0 1	0 001	0 00005	0 07	0 0001	0 0003	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 005	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 002	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0006	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 005	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0003	0 3	0 0009	0 002	0 03	0 3	NA	0 3	0 002	0 00006	0 1	0 0002	0 0004	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 008	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 008	0 4	0 005	0 004	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0003	0 2	0 0009	0 002	0 05	0 3	0 1	0 1	0 002	0 00006	0 07	0 0002	0 0004	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 005	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-286. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Evans Campground - 2015 - SDU-07

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin Hair & Nails*	*Urinary*	**Child Cancer Risk**	**Adult Cancer Risk**	**TWA Cancer Risk**
			Non-Cancer Child HI									**Non-Cancer Adult HI**											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation			--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 003	0 0005	--	--	0 001	--	0 0002	--	--	0 0004	0 00007	--	--	0 0002	--	1E-08	8E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 001	--	--	0 003	0 0005	--	--	0 001	--	0 0001	--	--	0 0004	0 00006	--	--	0 0001	--	1E-08	8E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Sediment	Incidental Ingestion and Dermal		0 0008	--	--	0 002	0 0004	--	--	0 0008	--	0 0001	--	--	0 0004	0 00006	--	--	0 0001	--	1E-08	7E-09	2E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	0 3	0 0007	0 003	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 0005	2E-08	1E-08	3E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 03	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 2	0 0007	0 003	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 007	0 5	0 006	0 004	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0007	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 002	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 001	0 3	0 0005	0 003	0 03	0 3	NA	0 3	0 001	0 0002	0 1	0 0001	0 0005	0 01	0 1	NA	0 1	0 001	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 01	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 006	0 03	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 001	0 2	0 0005	0 003	0 05	0 3	0 1	0 1	0 001	0 0002	0 07	0 0001	0 0005	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 006	0 03	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 007	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Sediment, & Fish (Burbot)			0 006	0 5	0 006	0 003	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0008	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Kokanee)			0 02	0 1	0 02	0 006	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 002	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Northern Pike)			0 0009	0 3	0 0009	0 003	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0005	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Sediment, & Fish (Rainbow trout)			0 02	0 2	0 02	0 009	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 005	0 03	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Sediment, & Fish (Sturgeon)			0 0009	0 2	0 0009	0 003	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0005	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Sediment, & Fish (Sucker)			0 01	0 6	0 007	0 03	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 01	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Sediment, & Fish (Walleye)			0 2	0 4	0 2	0 006	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 002	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Sediment, & Fish (Whitefish)			0 04	0 2	0 03	0 02	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 006	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-287. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Relict Floodplain RFA-001

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0002	--	--	--	--	--	--	0 0002	--	2E-08	8E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0002	--	--	--	--	--	--	0 0002	--	1E-08	8E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 0009	--	--	--	--	--	--	0 0009	--	0 0002	--	--	--	--	--	--	0 0002	--	1E-08	8E-09	2E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	2E-08	2E-08	3E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0002	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0002	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0009	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0009	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-288. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Relict Floodplain RFA-002

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 0009	--	--	--	--	--	--	0 0009	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	6E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 0008	--	--	--	--	--	--	0 0008	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	6E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 0006	--	--	--	--	--	--	0 0006	--	0 0001	--	--	--	--	--	--	0 0001	--	8E-09	6E-09	1E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0009	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	3E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0009	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0008	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	4E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0008	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0007	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0007	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-289. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Relict Floodplain RFA-003

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0002	--	--	--	--	--	--	0 0002	--	2E-08	1E-08	3E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0002	--	--	--	--	--	--	0 0002	--	2E-08	1E-08	3E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0002	--	--	--	--	--	--	0 0002	--	1E-08	9E-09	2E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0002	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	2E-08	3E-08	5E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0002	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-290. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Relict Floodplain RFA-004

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0002	--	--	--	--	--	--	0 0002	--	2E-08	8E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0002	--	--	--	--	--	--	0 0002	--	1E-08	8E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 0009	--	--	--	--	--	--	0 0009	--	0 0002	--	--	--	--	--	--	0 0002	--	1E-08	8E-09	2E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	2E-08	2E-08	3E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0002	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0002	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0009	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0009	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-291. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Relict Floodplain RFA-005

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	8E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	7E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 0008	--	--	--	--	--	--	0 0008	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	7E-09	2E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	2E-08	1E-08	3E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0002	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0002	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0008	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0008	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-292. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Relict Floodplain RFB-002

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	7E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 0009	--	--	--	--	--	--	0 0009	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	7E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 0007	--	--	--	--	--	--	0 0007	--	0 0001	--	--	--	--	--	--	0 0001	--	9E-09	6E-09	2E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	3E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0008	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0008	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-293. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Relict Floodplain RFB-003

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 0008	--	--	--	--	--	--	0 0008	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	6E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 0008	--	--	--	--	--	--	0 0008	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	5E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 0006	--	--	--	--	--	--	0 0006	--	0 0001	--	--	--	--	--	--	0 0001	--	8E-09	5E-09	1E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0008	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	2E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0008	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0008	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0008	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0006	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0006	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-294. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Relict Floodplain RFB-008

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 0005	--	--	--	--	--	--	0 0005	--	0 00007	--	--	--	--	--	--	0 00007	--	7E-09	4E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 0005	--	--	--	--	--	--	0 0005	--	0 00007	--	--	--	--	--	--	0 00007	--	6E-09	3E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 0004	--	--	--	--	--	--	0 0004	--	0 00006	--	--	--	--	--	--	0 00006	--	5E-09	3E-09	8E-09
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0006	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 00009	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	8E-09	1E-08	2E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0006	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 00009	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0005	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 00008	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	9E-09	2E-08	3E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0005	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 00008	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0004	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 00009	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0004	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 00009	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-295. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Relict Floodplain RFC-003

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 002	--	--	--	--	--	--	0 002	--	0 0003	--	--	--	--	--	--	0 0003	--	2E-08	1E-08	4E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 002	--	--	--	--	--	--	0 002	--	0 0003	--	--	--	--	--	--	0 0003	--	2E-08	1E-08	4E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0002	--	--	--	--	--	--	0 0002	--	2E-08	1E-08	3E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 008	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 002	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0003	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	3E-08	2E-08	5E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 002	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0003	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 002	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0003	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	3E-08	3E-08	6E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 002	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0003	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0003	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	3E-08	5E-08	7E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0003	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-296. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Relict Floodplain RFC-004

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0002	--	--	--	--	--	--	0 0002	--	1E-08	8E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	8E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 0008	--	--	--	--	--	--	0 0008	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	7E-09	2E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	2E-08	1E-08	3E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0002	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0002	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0009	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0009	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-297. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Relict Floodplain RFC-005

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 002	--	--	--	--	--	--	0 002	--	0 0003	--	--	--	--	--	--	0 0003	--	3E-08	1E-08	4E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 002	--	--	--	--	--	--	0 002	--	0 0003	--	--	--	--	--	--	0 0003	--	2E-08	1E-08	4E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0003	--	--	--	--	--	--	0 0003	--	2E-08	1E-08	3E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 008	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 002	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0003	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	3E-08	2E-08	5E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 002	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0003	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 008	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 002	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0003	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	3E-08	3E-08	6E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 002	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0003	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 002	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0003	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	3E-08	5E-08	7E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 002	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0003	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-298. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Relict Floodplain RFC-006

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 002	--	--	--	--	--	--	0 002	--	0 0003	--	--	--	--	--	--	0 0003	--	2E-08	1E-08	4E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 002	--	--	--	--	--	--	0 002	--	0 0003	--	--	--	--	--	--	0 0003	--	2E-08	1E-08	4E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0002	--	--	--	--	--	--	0 0002	--	2E-08	1E-08	3E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 008	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 002	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0003	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	3E-08	2E-08	5E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 002	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0003	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 002	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0003	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	3E-08	3E-08	6E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 002	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0003	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0003	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	3E-08	5E-08	7E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0003	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-299. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Relict Floodplain RFC-007

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0002	--	--	--	--	--	--	0 0002	--	2E-08	8E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0002	--	--	--	--	--	--	0 0002	--	1E-08	8E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 0009	--	--	--	--	--	--	0 0009	--	0 0002	--	--	--	--	--	--	0 0002	--	1E-08	8E-09	2E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	2E-08	2E-08	3E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0002	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0002	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0009	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0009	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-300. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Relict Floodplain RFC-008

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 002	--	--	--	--	--	--	0 002	--	0 0002	--	--	--	--	--	--	0 0002	--	2E-08	1E-08	3E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 002	--	--	--	--	--	--	0 002	--	0 0002	--	--	--	--	--	--	0 0002	--	2E-08	1E-08	3E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0002	--	--	--	--	--	--	0 0002	--	2E-08	1E-08	3E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 002	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 002	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 002	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0002	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	2E-08	3E-08	5E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 002	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0002	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	2E-08	5E-08	7E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-301. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Relict Floodplain RFD-002

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 002	--	--	--	--	--	--	0 002	--	0 0002	--	--	--	--	--	--	0 0002	--	2E-08	1E-08	3E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0002	--	--	--	--	--	--	0 0002	--	2E-08	1E-08	3E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0002	--	--	--	--	--	--	0 0002	--	1E-08	1E-08	2E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 002	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 002	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0002	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	2E-08	3E-08	5E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0002	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	7E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-302. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Relict Floodplain RFD-003

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 002	--	--	--	--	--	--	0 002	--	0 0002	--	--	--	--	--	--	0 0002	--	2E-08	1E-08	3E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0002	--	--	--	--	--	--	0 0002	--	2E-08	1E-08	3E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Relict Floodplain Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0002	--	--	--	--	--	--	0 0002	--	1E-08	1E-08	3E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 002	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 002	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 002	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0002	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	2E-08	3E-08	5E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 01	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 002	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0002	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	2E-08	5E-08	7E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-303. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Bossburg Flat - 2015 - UDU-01

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 0009	--	--	--	--	--	--	0 0009	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	6E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 0009	--	--	--	--	--	--	0 0009	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	6E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 0007	--	--	--	--	--	--	0 0007	--	0 0001	--	--	--	--	--	--	0 0001	--	9E-09	6E-09	1E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	3E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0009	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	4E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0009	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0007	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0007	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-304. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Bossburg Flat - 2015 - UDU-02

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 0007	--	--	--	--	--	--	0 0007	--	0 0001	--	--	--	--	--	--	0 0001	--	9E-09	5E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 0007	--	--	--	--	--	--	0 0007	--	0 0001	--	--	--	--	--	--	0 0001	--	9E-09	5E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 0005	--	--	--	--	--	--	0 0005	--	0 00009	--	--	--	--	--	--	0 00009	--	7E-09	5E-09	1E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0008	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	2E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0008	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0007	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0007	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0006	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0006	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-305. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Bossburg Flat - 2015 - UDU-03

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 0006	--	--	--	--	--	--	0 0006	--	0 00009	--	--	--	--	--	--	0 00009	--	8E-09	5E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 0006	--	--	--	--	--	--	0 0006	--	0 00009	--	--	--	--	--	--	0 00009	--	8E-09	4E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 0005	--	--	--	--	--	--	0 0005	--	0 00008	--	--	--	--	--	--	0 00008	--	6E-09	4E-09	1E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0007	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	2E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0007	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0006	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0006	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0005	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0005	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-306. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Bossburg Flat - 2015 - UDU-04

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	7E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 0009	--	--	--	--	--	--	0 0009	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	7E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 0007	--	--	--	--	--	--	0 0007	--	0 0001	--	--	--	--	--	--	0 0001	--	9E-09	6E-09	2E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	3E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0008	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0008	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-307. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Bossburg Flat - 2015 - UDU-05

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 0007	--	--	--	--	--	--	0 0007	--	0 0001	--	--	--	--	--	--	0 0001	--	9E-09	5E-09	1E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 0007	--	--	--	--	--	--	0 0007	--	0 0001	--	--	--	--	--	--	0 0001	--	9E-09	5E-09	1E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 0005	--	--	--	--	--	--	0 0005	--	0 00009	--	--	--	--	--	--	0 00009	--	7E-09	5E-09	1E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0008	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0001	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	1E-08	1E-08	2E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0008	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0001	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0007	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0001	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	1E-08	2E-08	3E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0007	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0001	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0006	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0001	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	1E-08	4E-08	5E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0006	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0001	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 5-308. Cancer Risk and Non-Cancer Target Organ System Hazards for Non-Lead COPCs for the CTE: Recreational Visitor at Bossburg Flat - 2015 - UDU-06

Media	Pathway	*Target Organ System:*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	*Cardiovascular*	*Developmental*	*Endocrine*	*Gastrointestinal*	*Hematologic*	*Nervous*	*Reproductive*	*Skin, Hair & Nails*	*Urinary*	Child Cancer Risk	Adult Cancer Risk	TWA Cancer Risk
			Non-Cancer Child HI									Non-Cancer Adult HI											
Total HI Across COPCs by Pathway																					**Cancer Risk by Pathway**		
Fish (Burbot)	Ingestion		0 006	0 5	0 006	0 0007	0 03	0 5	0 3	0 2	--	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	--	7E-07	1E-06	2E-06
Fish (Kokanee)	Ingestion		0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	--	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	--	5E-07	8E-07	1E-06
Fish (Northern Pike)	Ingestion		ND	0 3	NA	NA	0 03	0 3	NA	0 3	--	ND	0 1	NA	NA	0 01	0 1	NA	0 1	--	ND	ND	ND
Fish (Rainbow trout)	Ingestion		0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	--	0 007	0 07	0 006	0 002	0 008	0 08	0 1	0 2	--	1E-06	2E-06	3E-06
Fish (Smallmouth Bass)	Ingestion		0 008	0 4	0 005	0 003	0 02	0 4	0 3	0 6	--	0 003	0 1	0 002	0 0009	0 009	0 1	0 1	0 2	--	9E-07	1E-06	2E-06
Fish (Sturgeon)	Ingestion		ND	0 2	NA	NA	0 05	0 3	0 1	0 1	--	ND	0 07	NA	NA	0 02	0 09	0 05	0 05	--	3E-07	5E-07	8E-07
Fish (Sucker)	Ingestion		0 009	0 6	0 006	0 02	0 02	0 7	0 4	0 3	--	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	--	1E-06	2E-06	3E-06
Fish (Walleye)	Ingestion		0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	--	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	--	5E-07	7E-07	1E-06
Fish (Whitefish)	Ingestion		0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	--	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	--	1E-06	2E-06	3E-06
Beach Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 0006	--	--	0 0003	--	--	--	--	--	0 0007	--	--	0 0004	1E-09	6E-09	7E-09
Surface Water	Incidental Ingestion and Dermal		0 00004	--	0 0007	0 0002	0 0001	0 004	--	0 0005	0 0004	0 00002	--	0 0001	0 00009	0 00006	0 002	--	0 0002	0 0001	6E-10	9E-10	1E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	8E-09	2E-08
Boat Day Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 001	--	--	0 0007	--	--	--	--	--	0 002	--	--	0 0009	3E-09	2E-08	2E-08
Surface Water	Incidental Ingestion and Dermal		0 00003	--	0 0005	0 0002	0 0001	0 003	--	0 0004	0 0003	0 00001	--	0 0001	0 00007	0 00005	0 002	--	0 0002	0 0001	4E-10	7E-10	1E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 001	--	--	--	--	--	--	0 001	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	7E-09	2E-08
Camping Trips																							
Outdoor Air	Inhalation		--	--	--	--	--	0 003	--	--	0 002	--	--	--	--	--	0 004	--	--	0 002	7E-09	3E-08	4E-08
Surface Water	Incidental Ingestion and Dermal		0 00006	--	0 0009	0 0003	0 0002	0 005	--	0 0007	0 0005	0 00003	--	0 0002	0 0002	0 0001	0 004	--	0 0004	0 0002	7E-10	1E-09	2E-09
Public Beach Soil	Incidental Ingestion and Dermal		0 0008	--	--	--	--	--	--	0 0008	--	0 0001	--	--	--	--	--	--	0 0001	--	1E-08	7E-09	2E-08
Total HI Across Pathways																					**Cancer Risk Across Pathways**		
Beach Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 0007	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 0005	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 0007	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 0005	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0007	0 0002	0 03	0 3	NA	0 3	0 0007	0 0002	0 1	0 0001	0 00009	0 01	0 1	NA	0 1	0 0005	2E-08	1E-08	3E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 0007	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 0007	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 0005	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0007	0 0002	0 05	0 3	0 1	0 1	0 0007	0 0002	0 07	0 0001	0 00009	0 02	0 1	0 05	0 05	0 0005	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 0007	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 0007	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 0005	5E-07	7E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 0007	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 0005	1E-06	2E-06	3E-06
Boat Day Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 007	0 5	0 006	0 0009	0 03	0 5	0 3	0 2	0 001	0 002	0 2	0 002	0 0003	0 01	0 2	0 1	0 06	0 001	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 001	0 009	0 05	0 008	0 001	0 007	0 06	0 06	0 2	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 001	0 3	0 0005	0 0002	0 03	0 3	NA	0 3	0 001	0 0002	0 1	0 0001	0 00007	0 01	0 1	NA	0 1	0 001	2E-08	2E-08	4E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 001	0 007	0 07	0 006	0 003	0 008	0 08	0 1	0 2	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 001	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 001	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 001	0 2	0 0005	0 0002	0 05	0 3	0 1	0 1	0 001	0 0002	0 07	0 0001	0 00007	0 02	0 1	0 05	0 05	0 001	3E-07	5E-07	8E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 006	0 02	0 02	0 7	0 4	0 3	0 001	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 001	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 001	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 001	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 001	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 001	1E-06	2E-06	3E-06
Camping Trips																							
Outdoor Air, Surface Water, Soil, & Fish (Burbot)			0 006	0 5	0 006	0 001	0 03	0 5	0 3	0 2	0 002	0 002	0 2	0 002	0 0004	0 01	0 2	0 1	0 06	0 002	7E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Kokanee)			0 02	0 1	0 02	0 003	0 02	0 2	0 2	0 6	0 002	0 009	0 05	0 008	0 001	0 007	0 07	0 06	0 2	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Northern Pike)			0 0009	0 3	0 0009	0 0003	0 03	0 3	NA	0 3	0 002	0 0002	0 1	0 0002	0 0002	0 01	0 1	NA	0 1	0 002	2E-08	4E-08	6E-08
Outdoor Air, Surface Water, Soil, & Fish (Rainbow trout)			0 02	0 2	0 02	0 007	0 02	0 2	0 3	0 5	0 002	0 007	0 07	0 006	0 003	0 008	0 09	0 1	0 2	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Smallmouth Bass)			0 009	0 4	0 005	0 003	0 02	0 4	0 3	0 6	0 002	0 003	0 1	0 002	0 001	0 009	0 2	0 1	0 2	0 002	9E-07	1E-06	2E-06
Outdoor Air, Surface Water, Soil, & Fish (Sturgeon)			0 0009	0 2	0 0009	0 0003	0 05	0 3	0 1	0 1	0 002	0 0002	0 07	0 0002	0 0002	0 02	0 1	0 05	0 05	0 002	3E-07	5E-07	9E-07
Outdoor Air, Surface Water, Soil, & Fish (Sucker)			0 01	0 6	0 007	0 02	0 02	0 7	0 4	0 3	0 002	0 004	0 2	0 002	0 009	0 007	0 3	0 2	0 1	0 002	1E-06	2E-06	3E-06
Outdoor Air, Surface Water, Soil, & Fish (Walleye)			0 2	0 4	0 2	0 004	0 02	0 4	0 1	0 8	0 002	0 08	0 1	0 08	0 001	0 008	0 2	0 05	0 3	0 002	5E-07	8E-07	1E-06
Outdoor Air, Surface Water, Soil, & Fish (Whitefish)			0 04	0 2	0 03	0 01	0 02	0 3	0 5	0 4	0 002	0 01	0 08	0 01	0 005	0 006	0 1	0 2	0 1	0 002	1E-06	2E-06	3E-06

ND = not detected; NA = not analyzed; -- = target organ system not affected by COPCs in this medium

Table 6-1. Precision of Estimates of the Mean Soil Lead Concentration Based on ADAs and DUs having 3 Samples Each

		Margin of Error (ppm)				Relative Error (%)			
DU Type	**N**	**Median**	**Min**	**Max**	**P95**	**Median**	**Min**	**Max**	**P95**
ADA (upland soil)	16	31	11	202	202	19%	9.5%	52%	52%
Agriculture	12	16	0.9	54	54	11%	1.2%	26%	26%
Animal Activity Area	1	11				6.6%			
Beach	22	27	4.3	152	87	11%	3.3%	68%	52%
Garden	23	6.4	1.0	46	39	6.3%	1.4%	31%	30%
House	60	23	0.5	1015	324	15%	2.3%	102%	45%
Other -Not Specified	30	25	1.9	238	148	14%	1.2%	70%	47%
Play Area	6	34	2.8	218	218	14%	4.2%	44%	44%
Public Beach Surface Soil	1	2099				78%			
Tribal Allotment	6	47	16	171	171	14%	4.6%	22%	22%
Tribal Allotment Beach	1	27				8.5%			
All soil	154	21	0.5	1,015	214	14%	1.2%	102%	44%
All beach sediment	24	30	4.3	2,099	1125	11%	3.3%	78%	68%
All DUs	178	22	0.5	2,099	214	14%	1.2%	102%	47%

N = number of DUs

Margin of error (ME) is the half-width of the confidence interval (assuming a normal distribution of means): (upper confidence limit [UCL]-lower confidence limit [LCL])/2, in units of concentration (ppm).

Relative error (RE) is the ME divided by the estimate of the mean, expressed as a percentage.

Table 6-2. IVBA Measured in Soil as part of the 2014 Upland Soils Study

Locations	Analyte	N	Average (%)	Standard Deviation	Minimum (%)	Maximum (%)
ADAs	Aluminum	20	20.2	5.7	9.4	30.6
	Antimony	20	32.6	8.4	19.7	53.7
	Arsenic	20	31.8	9.0	14.9	49.2
	Barium	20	61.8	7.1	45.8	76.6
	Beryllium	20	31.0	3.7	22.1	38.5
	Cadmium	20	81.1	6.1	68.0	89.3
	Calcium	20	74.2	10.4	58.9	96.0
	Chromium	20	3.5	1.5	1.6	6.9
	Cobalt	20	17.9	4.9	8.1	30.7
	Copper	20	24.1	5.4	13.2	40.0
	Iron	20	6.3	2.3	3.1	10.8
	Lead	20	83.1	8.2	65.0	95.9
	Magnesium	20	6.4	5.6	1.9	24.7
	Manganese	20	51.8	11.3	37.6	74.5
	Mercury	13	6.7	1.8	2.8	9.0
	Molybdenum	15	5.5	2.1	2.9	11.1
	Nickel	20	6.1	1.7	3.1	9.4
	Potassium	20	21.1	4.9	13.1	30.3
	Selenium	2	16.8	7.0	11.8	21.7
	Silver	20	60.3	5.3	50.7	67.0
	Sodium	20	9.2	3.4	4.0	16.4
	Thallium	20	18.3	7.3	8.7	41.1
	Vanadium	20	5.0	1.4	3.0	8.6
	Zinc	20	39.4	11.0	19.4	52.2
Relict Floodplains	Aluminum	3	16.6	1.6	14.7	17.6
	Antimony	3	24.6	5.7	18.0	28.3
	Arsenic	3	21.1	6.0	15.4	27.3
	Barium	3	32.2	7.7	26.4	40.9
	Beryllium	3	33.6	1.6	31.8	34.5
	Cadmium	3	39.3	3.6	36.8	43.4
	Calcium	3	48.8	1.1	48.0	50.0
	Chromium	3	12.2	0.8	11.4	12.9
	Cobalt	3	27.9	2.3	25.4	29.9
	Copper	3	47.8	8.0	38.6	53.0
	Iron	3	16.9	3.9	13.5	21.1
	Lead	3	60.1	4.4	55.2	63.7
	Magnesium	3	36.6	1.2	35.4	37.8
	Manganese	3	55.4	1.8	53.4	56.7
	Mercury	1	0.9	--	0.9	0.9
	Molybdenum	3	3.3	0.7	2.6	3.9
	Nickel	3	12.2	1.0	11.2	13.1
	Potassium	3	12.2	2.9	9.1	14.9
	Selenium	1	13.0	--	13.0	13.0
	Silver	3	19.2	4.5	15.5	24.2
	Sodium	3	31.7	3.7	28.1	35.5
	Thallium	3	11.5	1.5	10.4	13.2
	Vanadium	3	16.4	2.4	14.7	19.2
	Zinc	3	46.5	5.7	42.7	53.0

Table 6-3. Lowest and Highest COPC Concentrations Measured in Fish

COPC	Minimum (mg/kg ww)	Maximum (mg/kg ww)	Species, Low	Species, High
Mercury	0.0753	0.585	Kokanee	Sucker
TEQ	3.66×10^{-8}	1.15×10^{-6}	Burbot	Whitefish
PCB Aroclors	0.0031	0.217	Burbot	Sucker
Lead	0.02	0.775	Northern pike	Sucker
Thallium	0.0042	0.0739	Sturgeon	Walleye

Table 6-4. Recommended Dietary Allowances and Reference Doses for Iron, Manganese, and Cobalt

COPC	RDA, Adults		AI/ADI, Adults		TUIL[a]	RfD (mg/kg-day)	RfD[b] (mg/day)
	Male	Female	Male	Female			
Cobalt	NA	NA	5-8 µg/day[c]	5-8 µg/day[c]	NA	3.0E-04	0.024
Iron	8 mg/day	18 mg/day	NA	NA	45 mg/day	7.0E-01	56
Manganese	NA	NA	2.3 mg/day[d]	1.8 mg/day[d]	11 mg/day	0.140	11.20

NA = not available

[a]The TUIL is the highest level of daily nutrient intake that it likely to pose no risk of adverse health effects in almost all individuals)

[b]RfD is an estimate (with uncertainty spanning perhaps an order of magnitude) of a daily oral exposure to the human population (including sensitive subgroups) that is likely to be without an appreciable risk of deleterious effects during a lifetime. Unit conversion done using default adult body weight of 80 kg (EPA, 2014a)

[c]Average adult daily intake.

[d]Adequate intake

Sources: EPA (2019a) (RfD); NAP (2001) (RDA, AI, TUIL).

Table 6-5. Thallium in Sediment, Surface Water, and Fish from the UCR. Sampling Results by Reach.

Reach	Analyte	Sediment					Surface Water, Disturbed, Total					Fish				
		Number Detects / Number of Samples			Detection Frequency (%)	Mean Concentration (ND=1/2DL) (mg/kg)	Number Detects / Number of Samples			Detection Frequency (%)	Mean Detected Concentration (µg/L)	Number Detects / Number of Samples			Detection Frequency (%)	Mean Detected Concentration (mg/kg ww)
1	Thallium	18	/	18	100	0.31	1	/	6	16.7	0.02	20	/	34	58.8	0.02
2	Thallium	18	/	21	85.7	0.59	2	/	5	40	0.05	35	/	38	92.1	0.02
3	Thallium	25	/	28	89.3	0.53	2	/	6	33.3	0.02	43	/	59	72.9	0.02
4a	Thallium	25	/	31	80.6	0.52	1	/	4	25	0.29	46	/	48	95.8	0.02
4b	Thallium	39	/	56	69.6	0.55	2	/	5	40	0.06	—	—	—	—	—
5	Thallium	20	/	23	87.0	0.27	3	/	6	50	0.08	30	/	35	85.7	0.02
6	Thallium	11	/	18	61.1	0.31	6	/	6	100	0.03	34	/	47	72.3	0.03

Table 6-6. Background Estimates for COPCs for the UCR Site-wide HHRA

Inorganic COPCs in Soil	Summary Statistics for Soil Samples used to Estimate Background							Estimated Soil Background 95UTL95 (mg/kg)	Residential Screening Level (mg/kg)	Number of Residential DUs with Mean Concentration ≤ Background	Number of Residential DUs with Mean Concentration > Background	Number of ADAs with Mean Concentration ≤ Background	Number of ADAs with Mean Concentration > Background
	n	NDs	Minimum (mg/kg)	Mean (mg/kg)	Median (mg/kg)	Maximum (mg/kg)	0.95 (mg/kg)						
Aluminum	565	0	260	52190	55420	92530	68530	70950	77400	588	0	142	0
Arsenic	443	62	< 1	5.033	3	182	14	18.3	34.9	532	56	86	56
Antimony								2.15 [A]	31.3	464	124	73	69
Cadmium	56	0	0.04	0.219	0.195	0.65	0.478	0.61	71.1	24	564	4	138
Chromium	552	0	5	47.4	35	385	125	145	117000	588	0	142	0
Cobalt	565	144	< 5	7.392	7	30	15	15	23.4	581	7	141	1
Iron	557	0	2830	28560	27210	92470	49010	51690	54800	588	0	142	0
Lead	565	100	< 10	15.75	15	78	30	35	P3 ~50 [B] P5 ~200 P8 ~400	85	503	1	141
Manganese	565	0	66	642.9	596	1815	1070	1182	1830	586	2	126	16
Nickel	563	55	< 5	18.92	15	450	47.7	57	825	582	6	NA	NA
Thallium	56	0	0.15	0.313	0.28	0.89	0.61	0.68	0.782	587	1	141	1
Vanadium	563	0	3	77.1	69	323	151.7	161	393	588	0	142	0

95%: 95% estimated using ProUCL

95UTL95; non-parametric 95% upper tolerance limit for the 95%.

mean = arithmetic mean for COPCs without non-detects; Kaplan Meier mean for COPCs with non-detects

Residential Screening Level calculated using Hazard quotient = 1, Cancer risk = 10^{-4}

[A] Antimony data not included in NURE data set. Value is 95UTL90 by unspecified method of bootstrapping from ECY 2019.

[B] Residential screening levels for lead are approximately 50 mg/kg when the lead risk benchmark is P3; 200 mg/kg when the lead risk benchmark is P5; and 400 mg/kg when the lead risk benchmark is P8

ECY. (2019). Upland Regional Soil Background Characterization in Northeast Washington Watersheds. Washington State Department of Ecology. Publication No. 19-03-014. https://fortress.wa.gov/ecy/publications/SummaryPages/1903014 html.

Table 7-1. Summary of Residential Soil Exposure Areas that Exceeded Risk Benchmarks for Both Lead and Non-Lead COPCs for the Current Residential (Non-Beach DUs) Child Population when Risks are Summed Across Pathways

	Total # of DUs with HI >1 (non-lead analysis)	**# of Exposure Areas > P3 (~50 ppm Pb in soil)**	**# of Exposure Areas > P5 (~200 ppm Pb in soil)**	**# of Exposure Areas > P8 (~400 ppm Pb in soil)**
Lead (not including fish consumption)[a]	Not applicable	389 of 588 residential DUs	87 of 588 residential DUs	12 of 588 residential DUs
			# of DUs that Exceed both Lead and Non-Lead Benchmarks	
COPCs other than Lead (burbot consumption, RME)	• 588 of 588 (developmental and nervous systems) • 43 of 588 (skin/hair/nails system)	• 389 (developmental and nervous systems) • 42 (skin/hair/nails system)	• 87 (developmental and nervous systems) • 39 (skin/hair/nails system)	• 12 (developmental and nervous systems) • 12 (skin/hair/nails system)
COPCs other than lead (kokanee consumption, RME)	• 219 of 588 (nervous system) • 588 of 588 (skin/hair/nails system)	• 176 (nervous system) • 389 (skin/hair/nails system)	• 44 (nervous system) • 87 (skin/hair/nails system)	• 7 (nervous system) • 12 (skin/hair/nails system)
COPCs other than lead (northern pike consumption, RME)	• 588 of 588 (nervous and skin/hair/nails systems)	• 389 (nervous and skin/hair/nails systems)	• 87 (nervous and skin/hair/nails systems)	• 12 (nervous and skin/hair/nails systems)
COPCs other than lead (rainbow trout consumption, RME)	• 577 of 588 (nervous system) • 588 of 588 (skin/hair/nails system)	• 383 (nervous system) • 389 (skin/hair/nails system)	• 83 (nervous system) • 87 (skin/hair/nails system)	• 12 (nervous system) • 12 (skin/hair/nails system)
COPCs other than lead (smallmouth bass consumption, RME)	• 588 of 588 (developmental, nervous, and skin/hair/nails systems)	• 389 (developmental, nervous, and skin/hair/nails systems)	• 87 (developmental, nervous, and skin/hair/nails systems)	• 12 (developmental, nervous, and skin/hair/nails systems)
COPCs other than lead (sturgeon consumption, RME)	• 588 of 588 (nervous system) • 18 of 588 (skin/hair/nails system)	• 389 (nervous system) • 17 (skin/hair/nails system)	• 87 (nervous system) • 17 (skin/hair/nails system)	• 12 (nervous system) • 11 (skin/hair/nails system)

Table 7-1. Summary of Residential Soil Exposure Areas that Exceeded Risk Benchmarks for Both Lead and Non-Lead COPCs for the Current Residential (Non-Beach DUs) Child Population when Risks are Summed Across Pathways

	Total # of DUs with HI >1 (non-lead analysis)	**# of Exposure Areas > P3 (~50 ppm Pb in soil)**	**# of Exposure Areas > P5 (~200 ppm Pb in soil)**	**# of Exposure Areas > P8 (~400 ppm Pb in soil)**
COPCs other than lead (sucker consumption, RME)	• 588 of 588 (developmental, nervous, and reproductive systems) • 578 of 588 (skin/hair/nails system)	• 389 (developmental, nervous, and reproductive systems) • 389 (skin/hair/nails system)	• 87 (developmental, nervous, and reproductive systems) • 87 (skin/hair/nails system)	• 12 (developmental, nervous, and reproductive systems) • 12 (skin/hair/nails system)
COPCs other than lead (walleye consumption, RME)	• 2 of 588 (cardiovascular system) • 588 of 588 (developmental, nervous, and skin/hair/nails systems) • 9 of 588 (endocrine system)	• 2 (cardiovascular system) • 389 (developmental, nervous, and skin/hair/nails systems) • 5 (endocrine system)	• 2 (cardiovascular system) • 87 (developmental, nervous, and skin/hair/nails systems) • 1 (endocrine system)	• 2 (cardiovascular system) • 12 (developmental, nervous, and skin/hair/nails systems)
COPCs other than lead (whitefish consumption, RME)	• 588 of 588 (nervous, reproductive, and skin/hair/nails systems)	• 389 (nervous, reproductive, and skin/hair/nails systems)	• 87 (nervous, reproductive, and skin/hair/nails systems)	• 12 (nervous, reproductive, and skin/hair/nails systems)

[a]Estimates of lead results by fish species are shown in Appendix 5.

Table 7-2. Summary of Residential Beach Exposure Areas that Exceeded Risk Benchmarks for Both Lead and Non-Lead COPCs for the Current Residential (Beach DUs) Child Population, not Including Fish Consumption[a]

	# of Exposure Areas > P3	**# of Exposure Areas > P5**	**# of Exposure Areas > P8**
Lead	19 of 21 residential beach DUs	5 of 21 residential beach DUs	None
COPCs other than Lead (RME)	None	None	None

[a]Estimates of lead results by fish species are shown in Appendix 5.

Table 7-3. Summary of Upland Soil Exposure Areas that Exceeded Risk Benchmarks for Both Lead and Non-Lead COPCs for the Future Residential Child Population when Risks are Summed Across Pathways

	Total # of ADAs with HI >1 (non-lead analysis)	**# of Exposure Areas > P3 (~50 ppm Pb in soil)**	**# of Exposure Areas > P5 (~200 ppm Pb in soil)**	**# of Exposure Areas > P8 (~400 ppm Pb in soil)**
Lead (not including fish consumption)[a]	Not applicable	139 of 142 upland ADAs	68 of 142 upland ADAs	15 of 142 upland ADAs
		# of ADAs that Exceed both Lead and Non-Lead Benchmarks		
COPCs other than Lead (burbot consumption, RME)	• 142 of 142 (developmental and nervous systems) • 55 of 142 (skin/hair/nails system)	• 139 (developmental and nervous systems) • 55 (skin/hair/nails system)	• 68 (developmental and nervous systems) • 51 (skin/hair/nails system)	• 15 (developmental and nervous systems) • 15 (skin/hair/nails system)
COPCs other than lead (kokanee consumption, RME)	• 122 of 142 (nervous system) • 142 of 142 (skin/hair/nails system)	• 119 (nervous system) • 139 (skin/hair/nails system)	• 60 (nervous system) • 68 (skin/hair/nails system)	• 13 (nervous system) • 15 (skin/hair/nails system)
COPCs other than lead (northern pike consumption, RME)	• 142 of 142 (nervous and skin/hair/nails systems)	• 139 (nervous and skin/hair/nails systems)	• 68 (nervous and skin/hair/nails systems)	• 15 (nervous and skin/hair/nails systems)
COPCs other than lead (rainbow trout consumption, RME)	• 142 of 142 (nervous and skin/hair/nails systems)	• 139 (nervous and skin/hair/nails systems)	• 68 (nervous and skin/hair/nails systems)	• 15 (nervous and skin/hair/nails systems)
COPCs other than lead (smallmouth bass consumption, RME)	• 142 of 142 (developmental, nervous, and skin/hair/nails systems)	• 139 (developmental, nervous, and skin/hair/nails systems)	• 68 (developmental, nervous, and skin/hair/nails systems)	• 15 (developmental, nervous, and skin/hair/nails systems)
COPCs other than lead (sturgeon consumption, RME)	• 142 of 142 (nervous system) • 21 of 142 (skin/hair/nails system)	• 139 (nervous system) • 21 (skin/hair/nails system)	• 68 (nervous system) • 21 (skin/hair/nails system)	• 15 (nervous system) • 13 (skin/hair/nails system)

Table 7-3. Summary of Upland Soil Exposure Areas that Exceeded Risk Benchmarks for Both Lead and Non-Lead COPCs for the Future Residential Child Population when Risks are Summed Across Pathways

	Total # of ADAs with HI >1 (non-lead analysis)	**# of Exposure Areas > P3 (~50 ppm Pb in soil)**	**# of Exposure Areas > P5 (~200 ppm Pb in soil)**	**# of Exposure Areas > P8 (~400 ppm Pb in soil)**
COPCs other than lead (sucker consumption, RME)	• 142 of 142 (developmental, nervous, reproductive, and skin/hair/nails systems)	• 139 (developmental, nervous, reproductive, and skin/hair/nails systems)	• 68 (developmental, nervous, reproductive, and skin/hair/nails systems)	• 15 (developmental, nervous, reproductive, and skin/hair/nails systems)
COPCs other than lead (walleye consumption, RME)	• 1 of 142 (cardiovascular system) • 142 of 142 (developmental, nervous, and skin/hair/nails systems) • 3 of 142 (endocrine system)	• 1 (cardiovascular system) • 139 (developmental, nervous, and skin/hair/nails systems) • 3 (endocrine system)	• 1 (cardiovascular system) • 68 (developmental, nervous, and skin/hair/nails systems)	• 1 (cardiovascular system) • 15 (developmental, nervous, and skin/hair/nails systems)
COPCs other than lead (whitefish consumption, RME)	• 142 of 142 (nervous, reproductive, and skin/hair/nails systems)	• 139 (nervous, reproductive, and skin/hair/nails systems)	• 68 (nervous, reproductive, and skin/hair/nails systems)	• 15 (nervous, reproductive, and skin/hair/nails systems)

[a]Estimates of lead risk by fish species are shown in Appendix 5.

Table 7-4. Summary of Residential Lead Results, not Including Fish Consumption

	Current Child Resident Population (No Beach on Property)			Future Child Resident Population		
	> P3 (~50 ppm Pb in soil)	**> P5 (~200 ppm Pb in soil)**	**> P8 (~400 ppm Pb in soil)**	**> P3 (~50 ppm Pb in soil)**	**> P5 (~200 ppm Pb in soil)**	**> P8 (~400 ppm Pb in soil)**
# DUs or ADAs*	389** of 588	87 of 588	12 of 588	139 of 142	68 of 142	15 of 142
# Current play areas	12 of 18	6 of 18	2 of 18	NA	NA	NA
# Current houses	137 of 202	28 of 202	2 of 202	NA	NA	NA
# Current gardens	77 of 145	8 of 145	0 of 145	NA	NA	NA

Note: Fish consumption is not included in the above counts.

*Assuming full-time residential land use at residential soil non-house DUs and ADAs without residences is likely to overestimate risk.

**Not all DU types are included in Table 7-4; therefore, the number of play areas, house and gardens do not equal the total number of DUs that are shown for the current child resident population. For example, in the column for P3 for current child resident population, $12+137+77 \neq 389$ and $18+202+145 \neq 588$.

Figure ES-1. Current Child Residential Exposure to Lead and Non-Lead COPCs in Soil

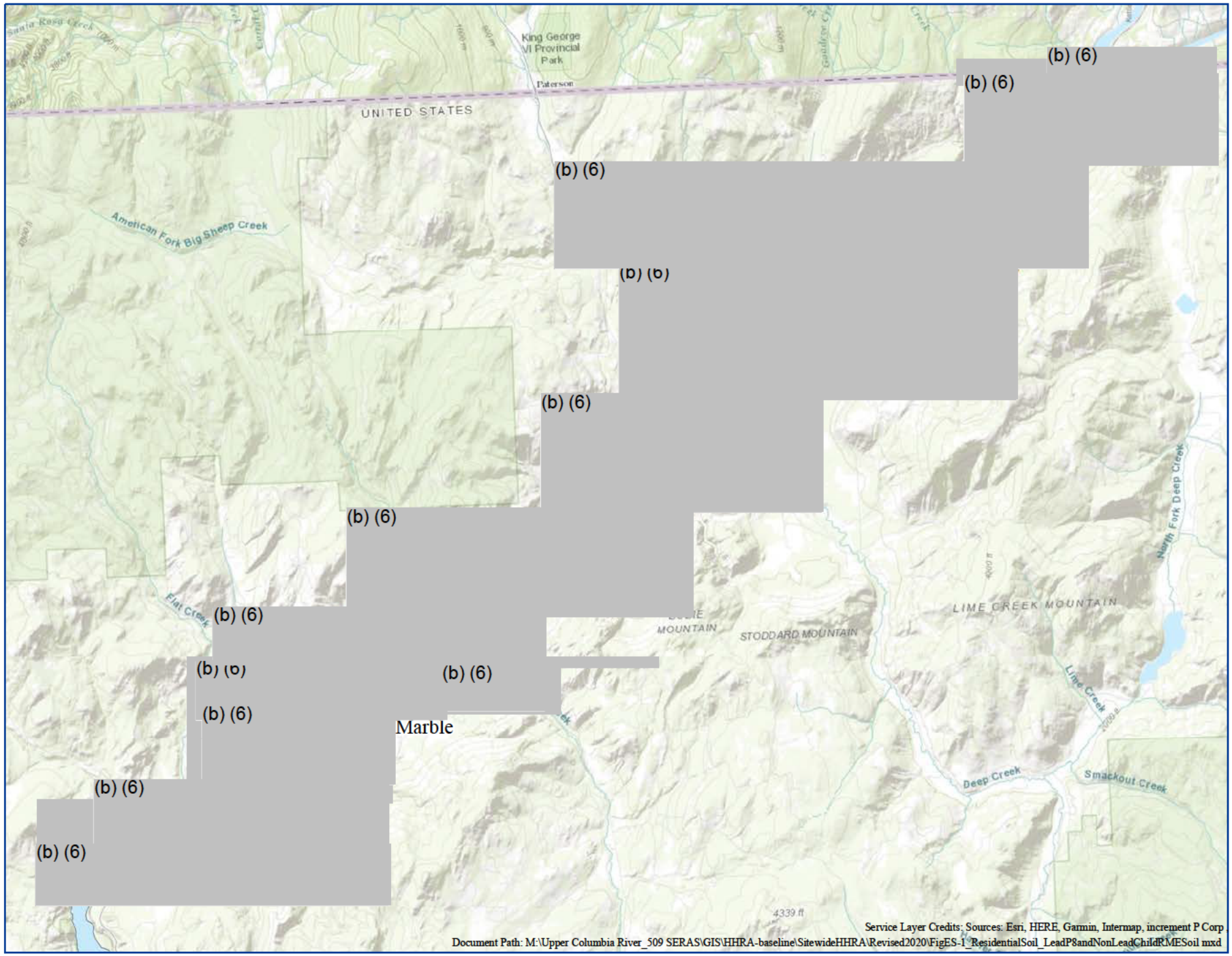

Figure ES-2. Future Child Residential Exposure to Lead and Non-Lead COPCs in Soil

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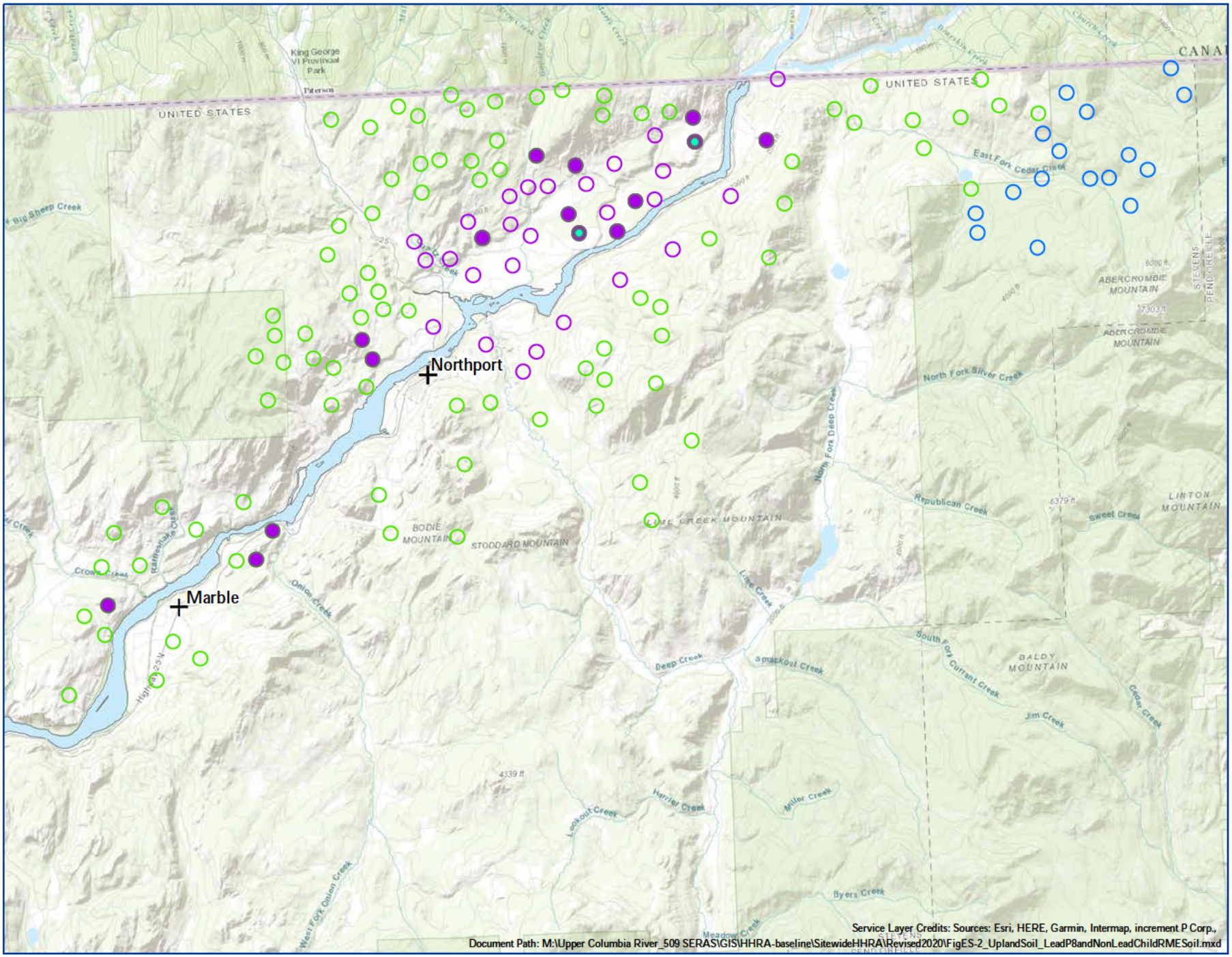

Figure 2-1: Site Location and River Reach Delineations (SRC, 2009)

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Map Document: (\\mlgis\m\C306_UCR_Teck-Cominco\UP_UCR_final-figures_overview_inset_Map1_1_12102008.mxd) JP -- 12/10/2008

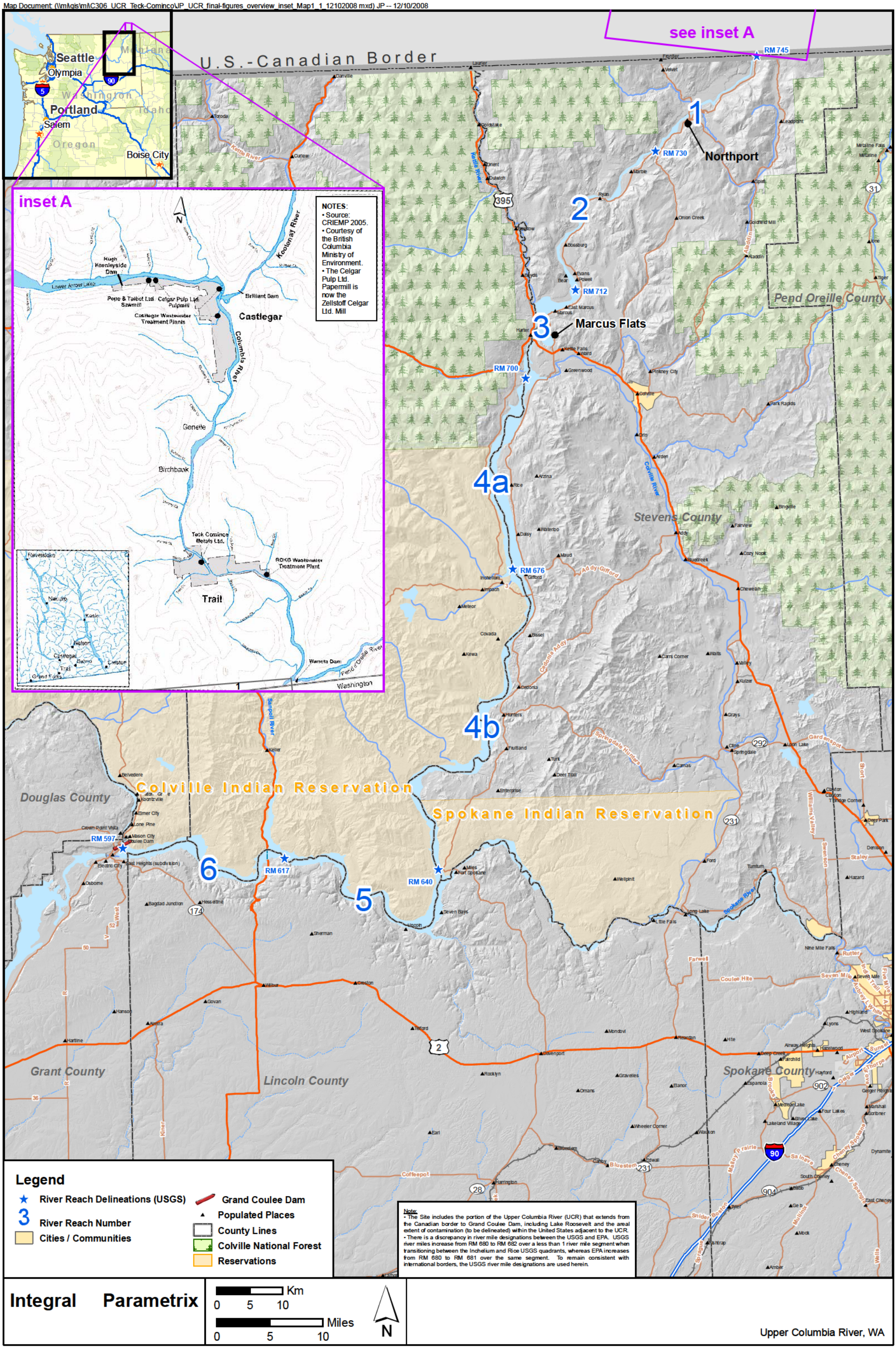
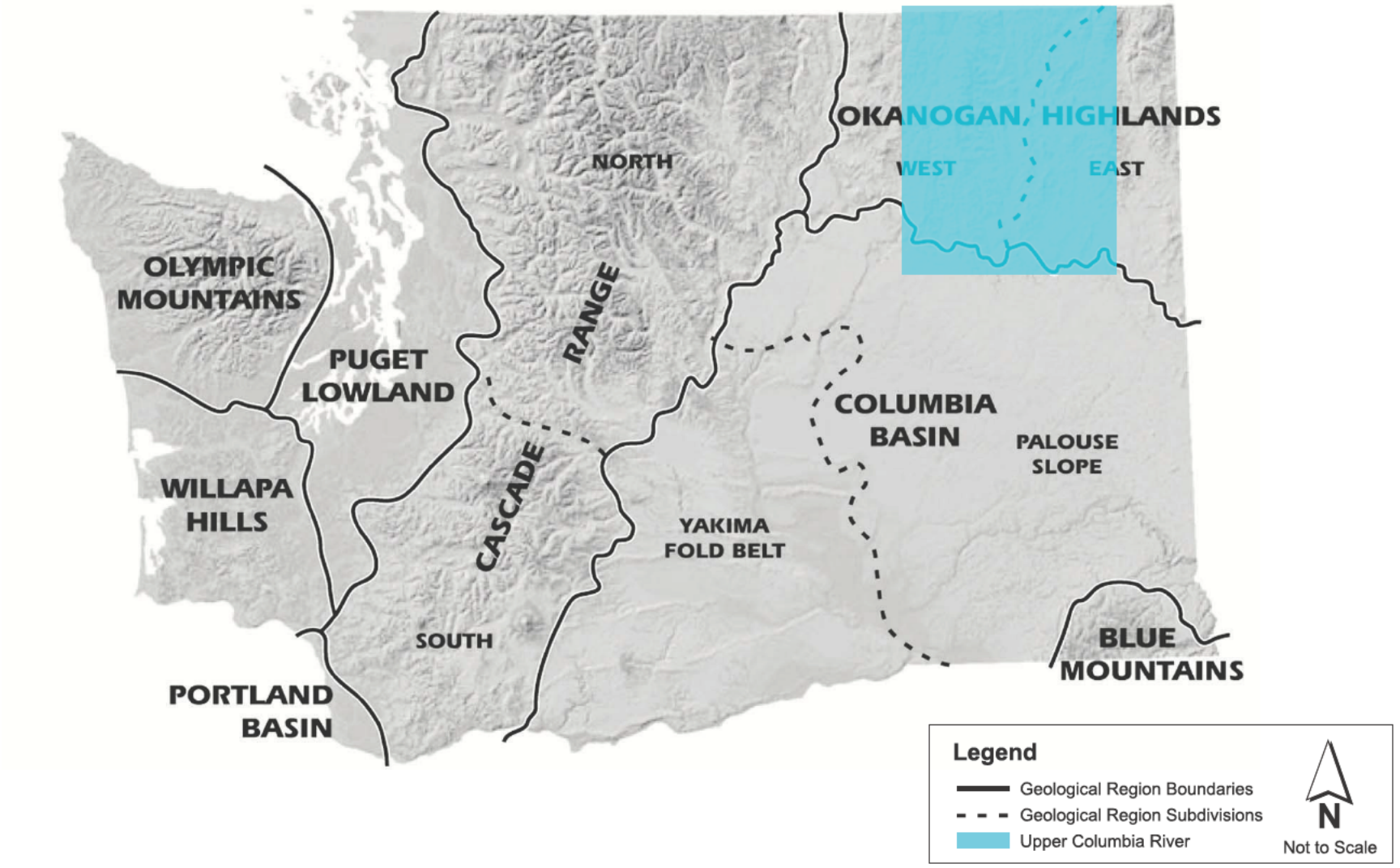
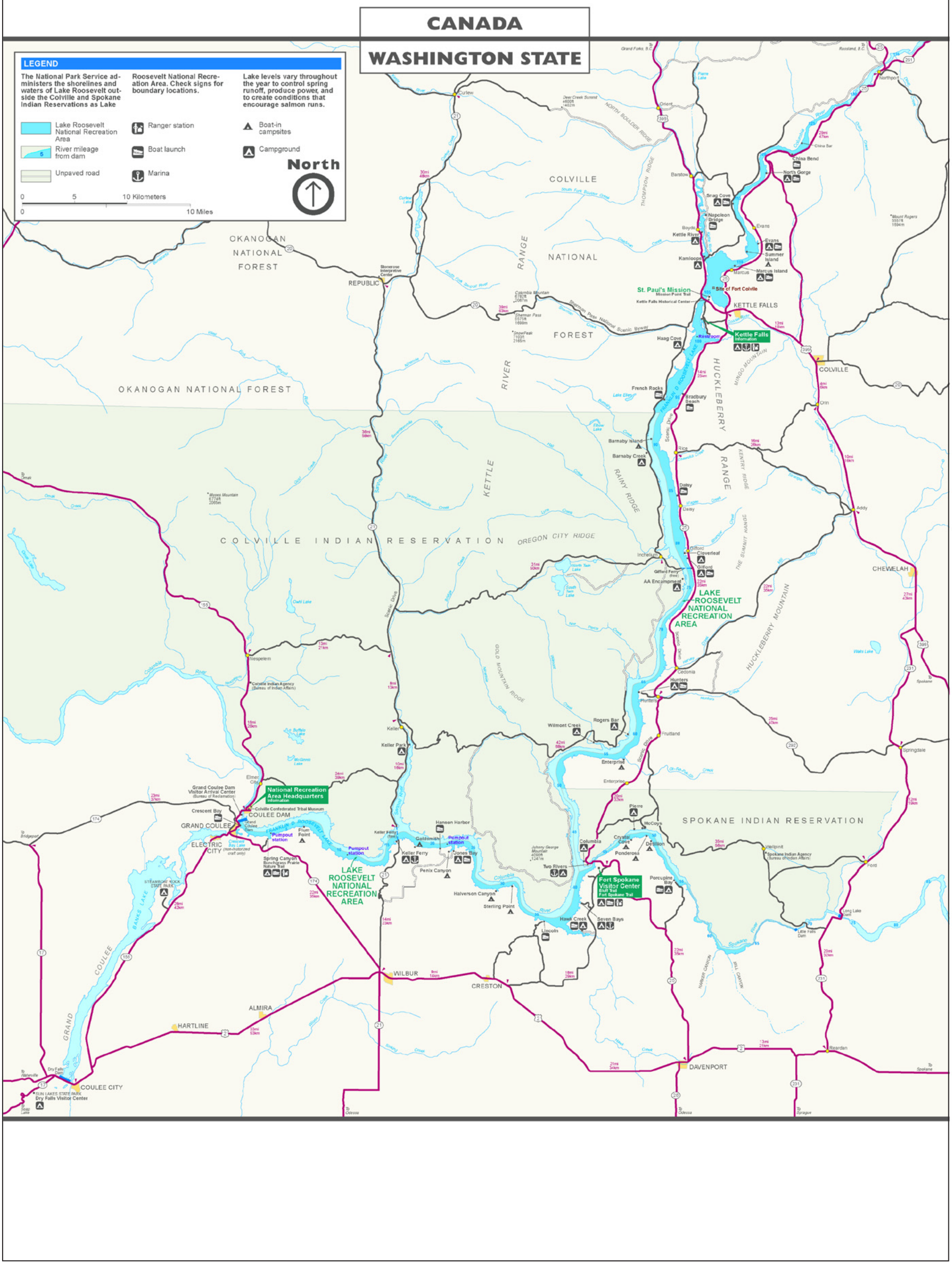


Figure 2-2: Geological Regions of Washington State



Source: WDGER (2002)

Figure 2-3: NPS Recreational Facilities, Upper Columbia River, WA (LRF, 2019)



NPS Recreational Facilities, Upper Columbia River, WA. **Map Source:** LRF (2007a).
Note: Not to a set scale.

Figure 2-4. 2009/2010 UCR Surface Water Sampling Locations

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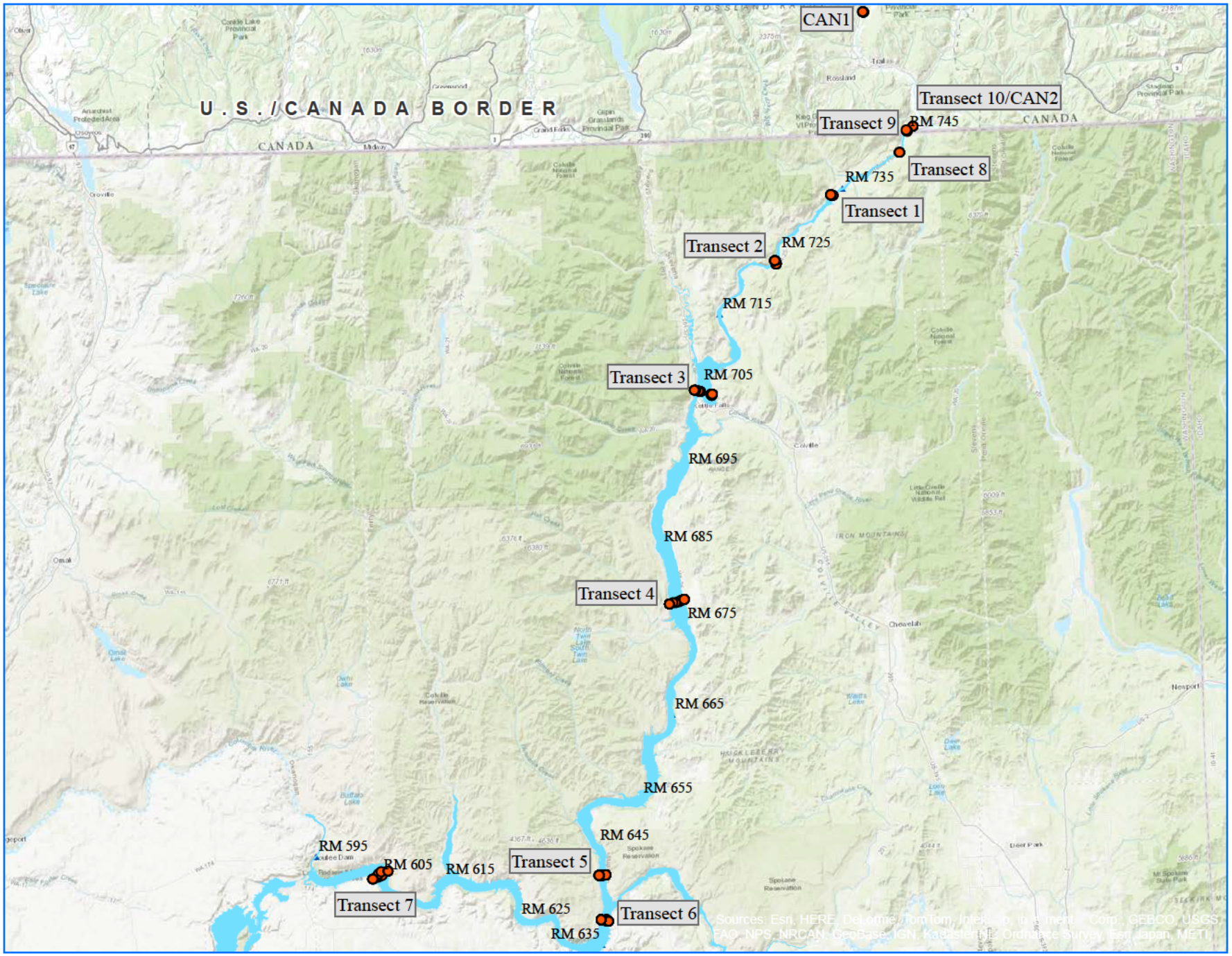

N

0 11 Miles

Surface Water Transect

RM = River mile

Figure 2-5. Beaches Sampled in the UCR in 2009 - 2011

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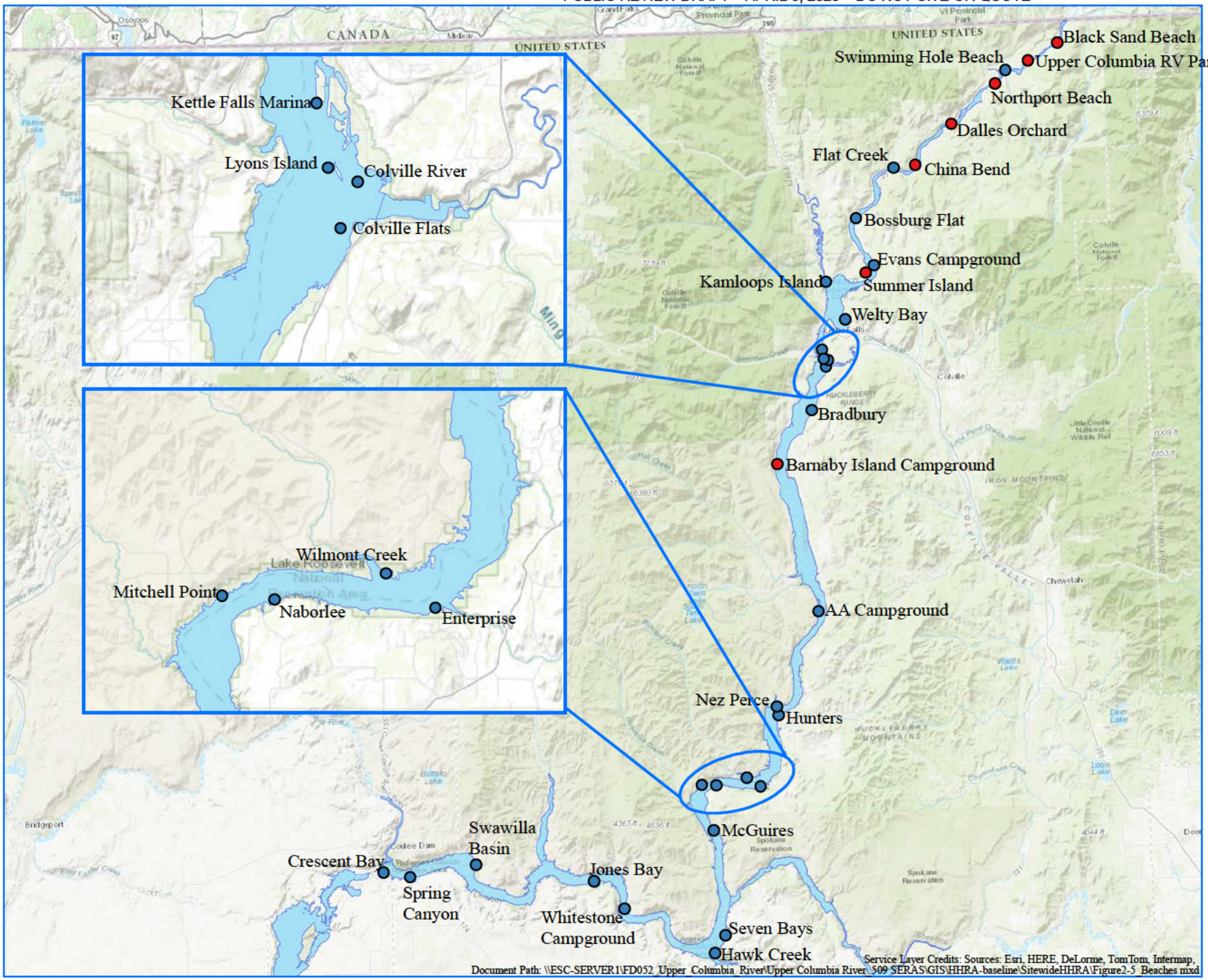


Figure 2-6. Sampling Locations in the Bossburg Flat Beach Area (TAI, 2016a)

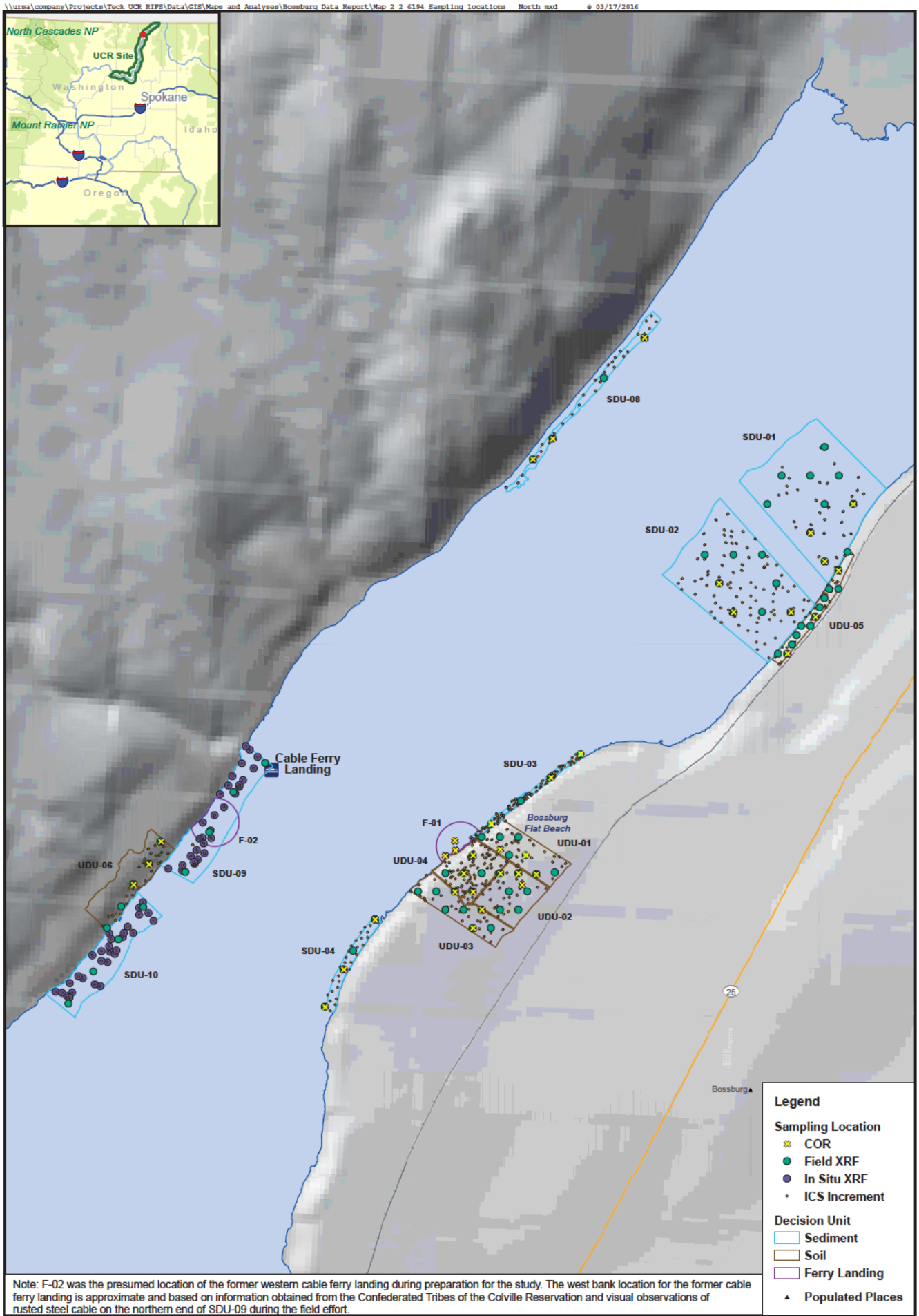


Figure 2-7. Sampling Locations in the Evans Campground Beach Area (TAI, 2016a)

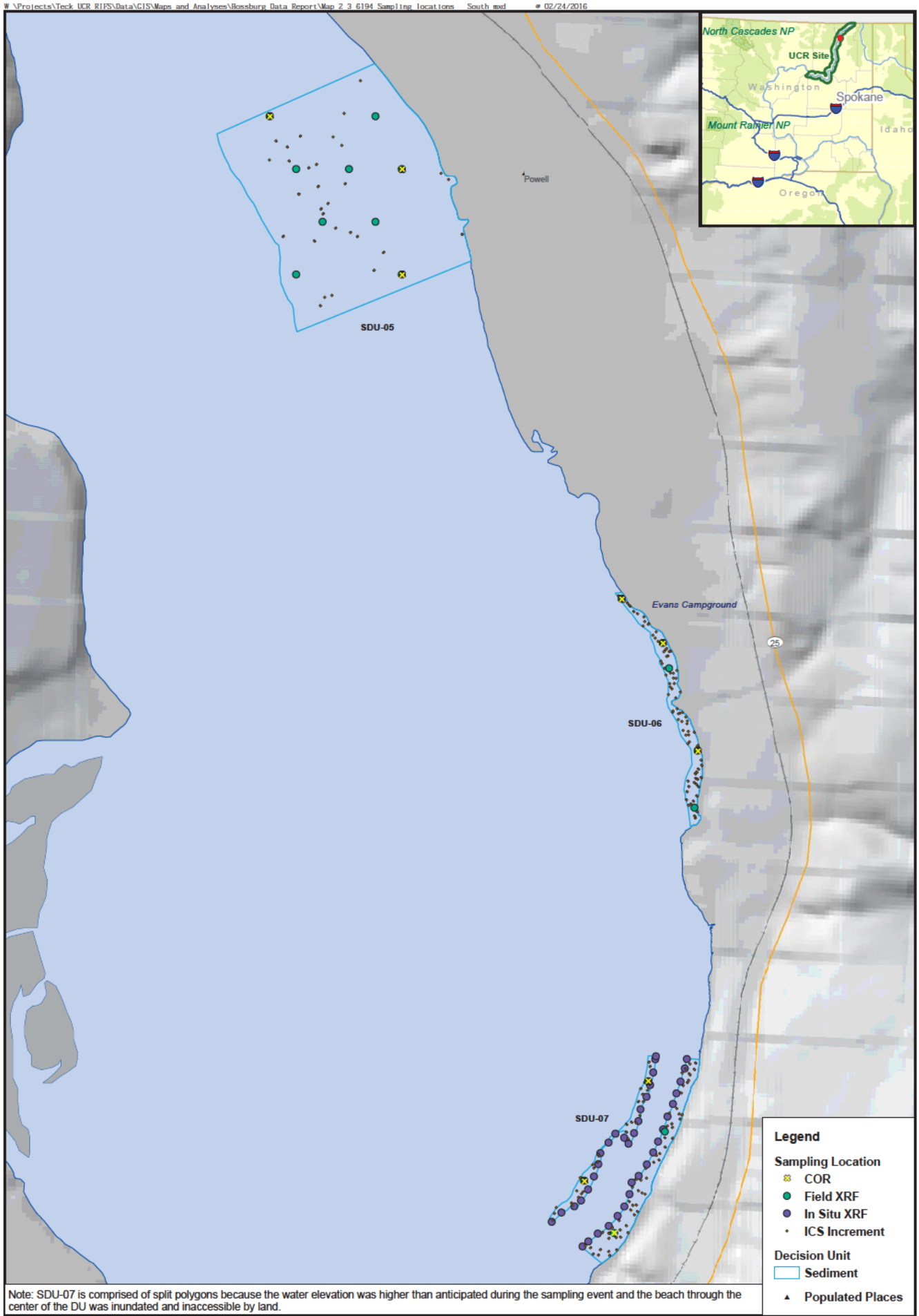


Figure 2-8. Sampling Areas, 2014 Upland Soil Study

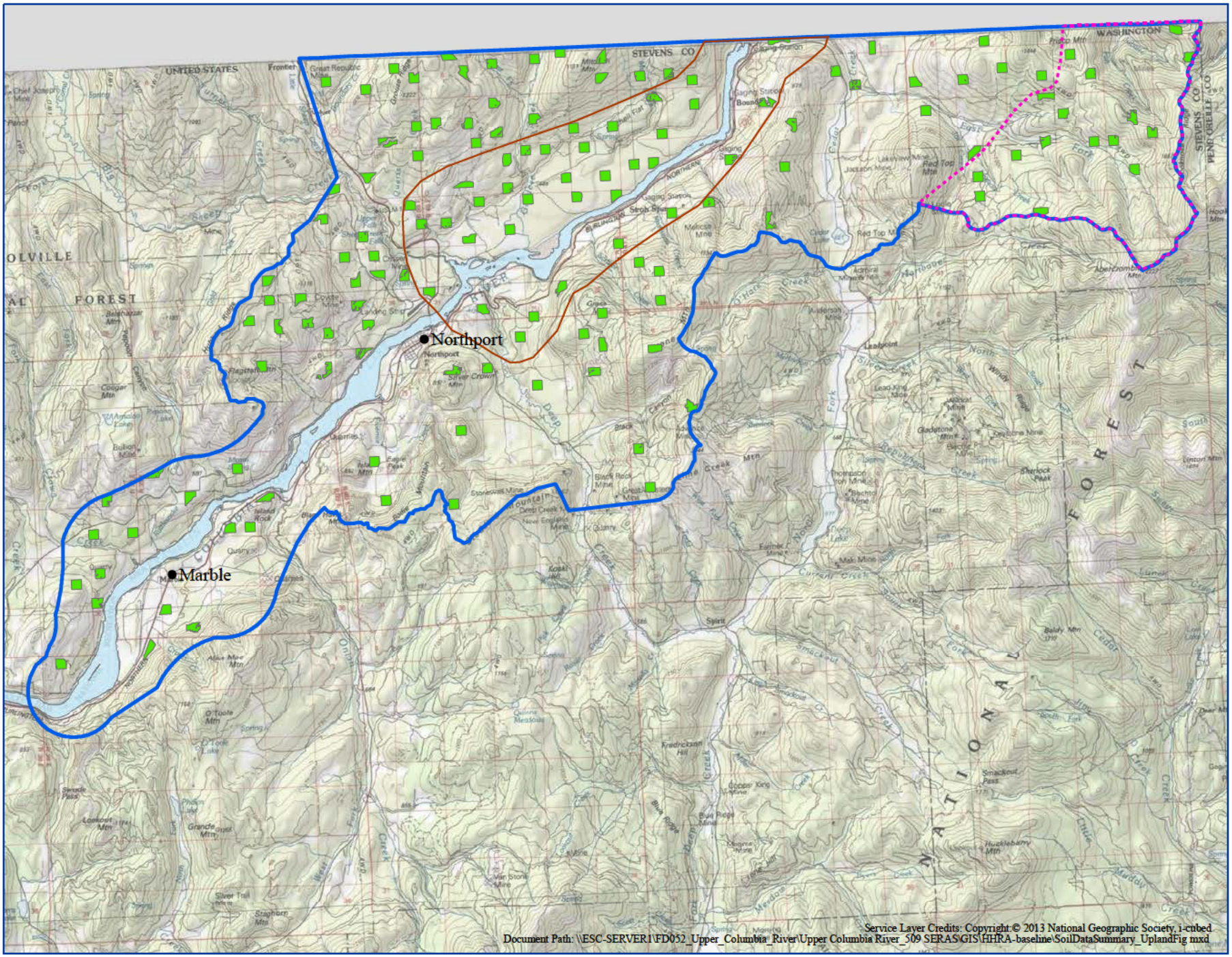
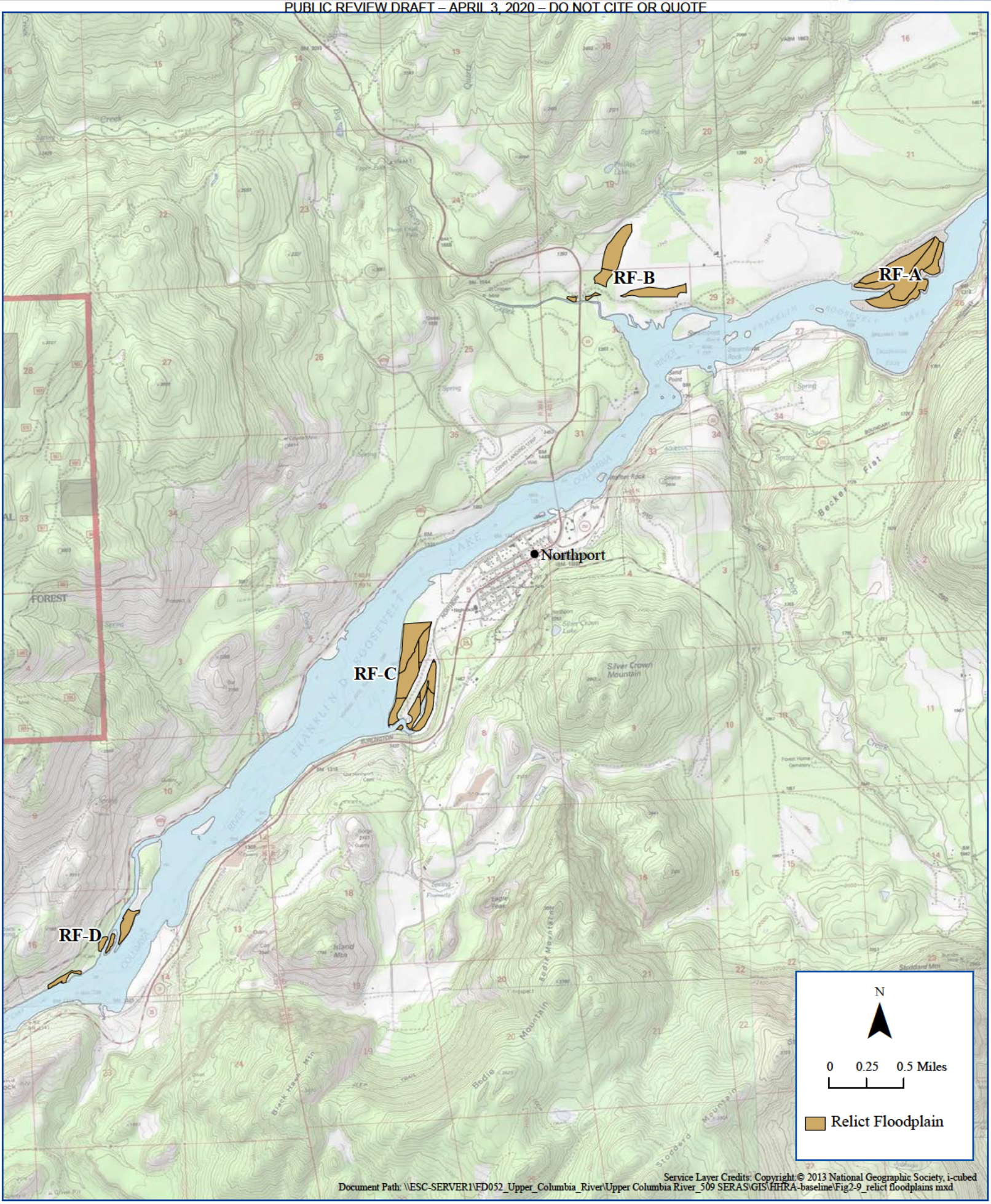
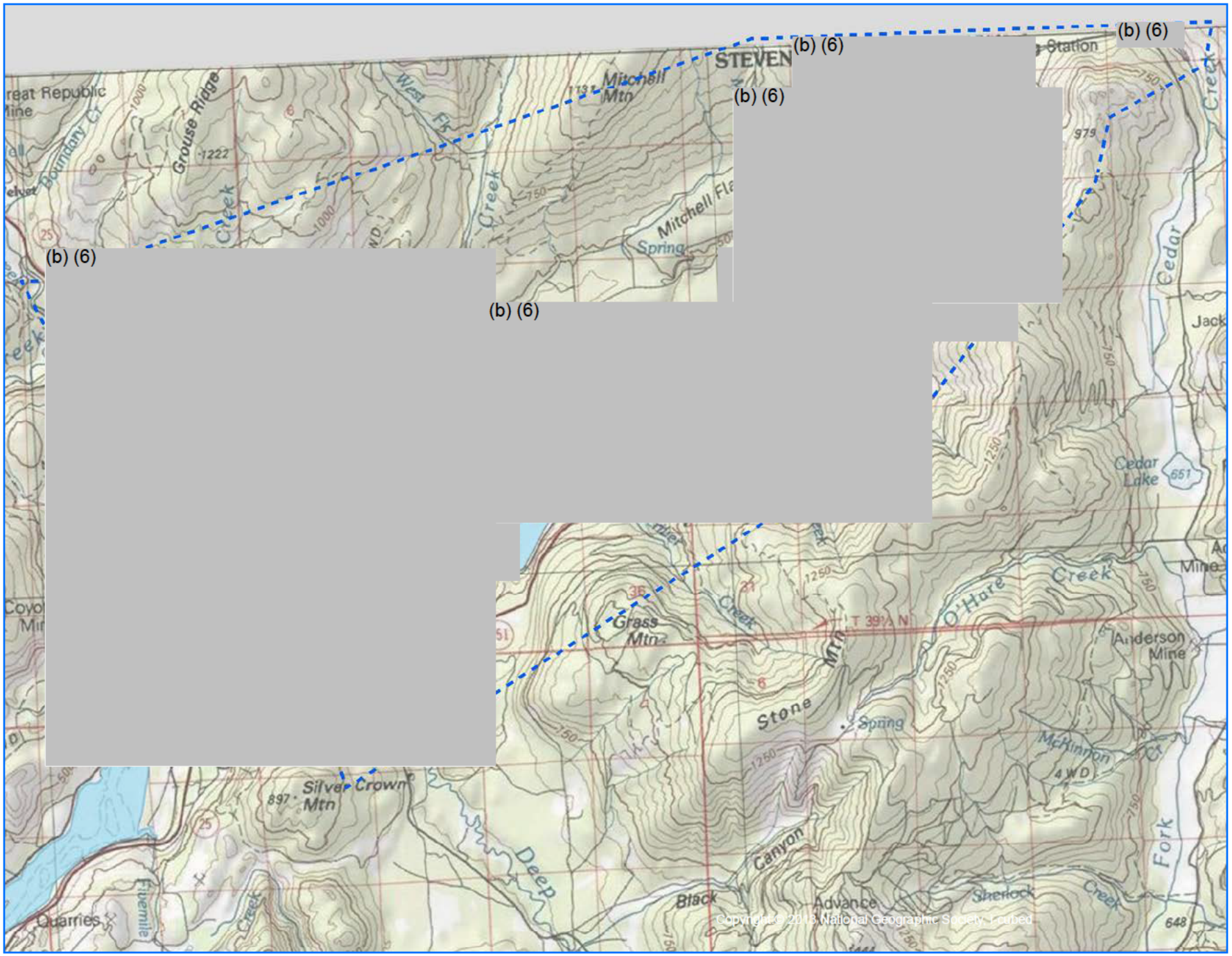


Figure 2-9. Relict Floodplains Sampled in 2014



Service Layer Credits: Copyright © 2013 National Geographic Society, i-cubed
Document Path: \\ESC-SERVER1\FD052_Upper_Columbia_River\Upper Columbia River_509 SERAS\GIS\HHRA-baseline\Fig2-9_relict floodplains.mxd

Figure 2-10. Sampling Areas, 2014 Residential Soil Study



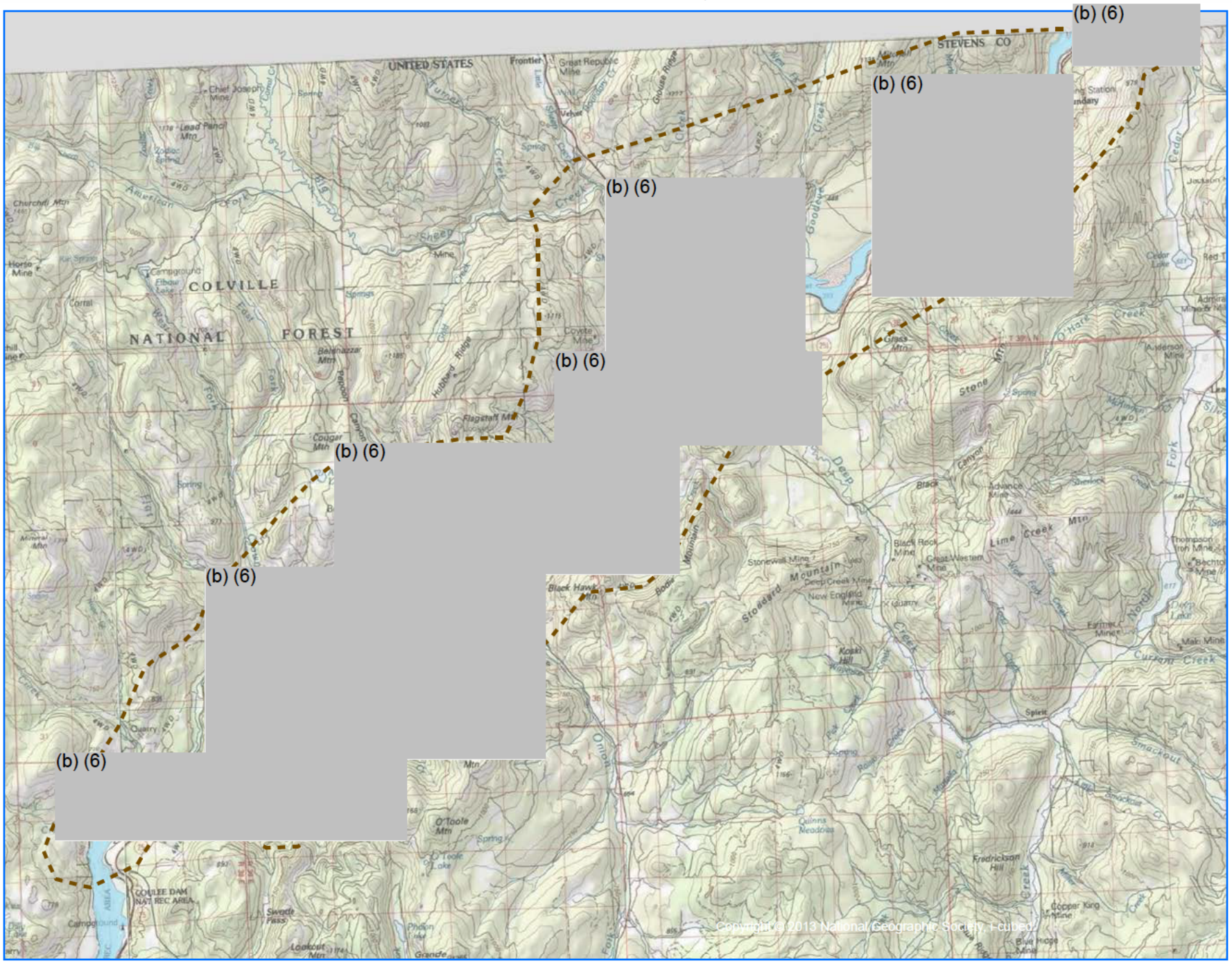
N

0 1.1 Miles

2014 Residential Soil Decision Units

2014 Residential Soil Sampling Area

Figure 2-11. Sampling Areas, 2016 Residential Soil Study



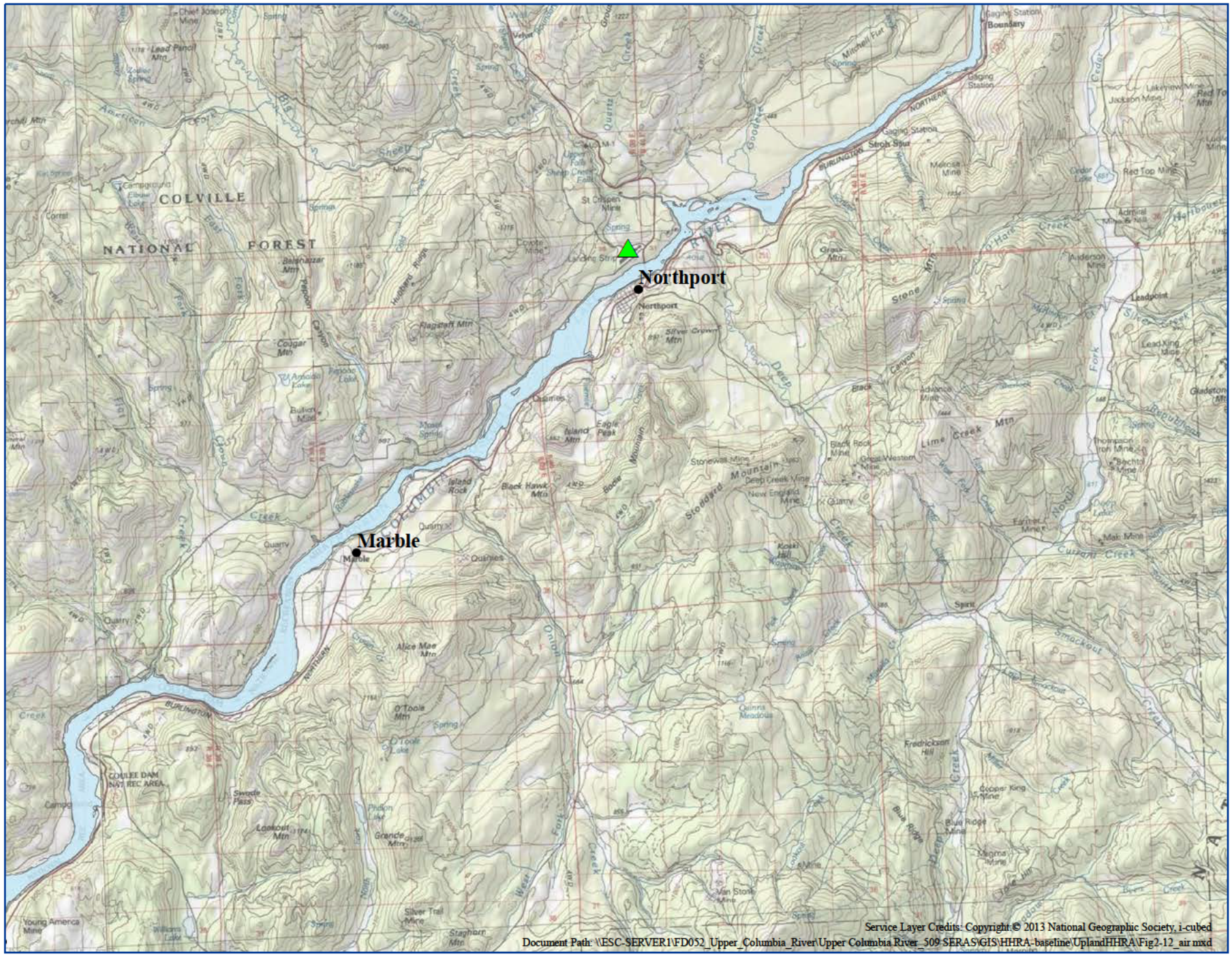
N

0 2 Miles

2016 Residential Soil Decision Units

2016 Residential Soil Sampling Area

Figure 2-12. Outdoor Air Monitoring Station, Sheep Creek, Washington



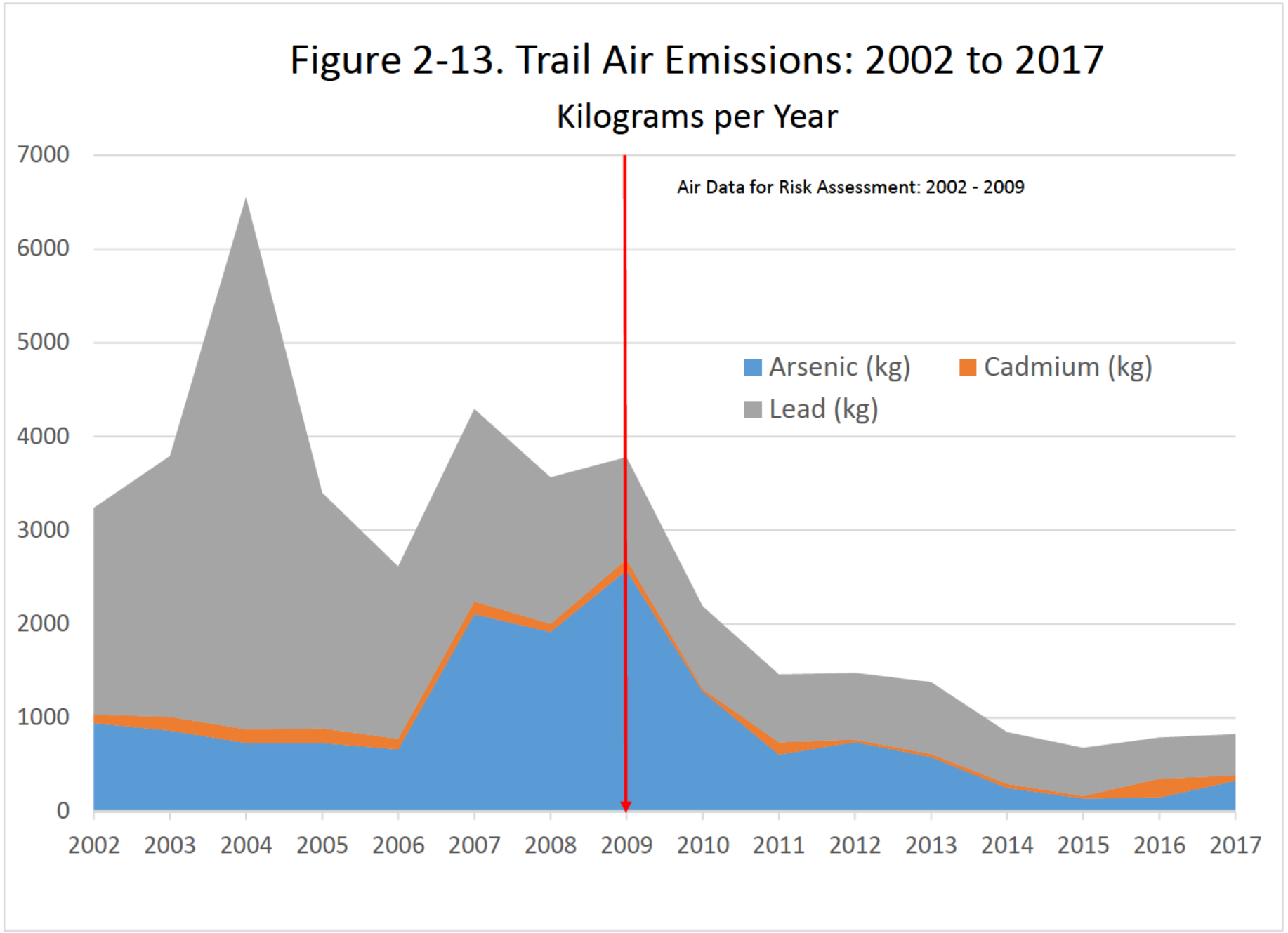
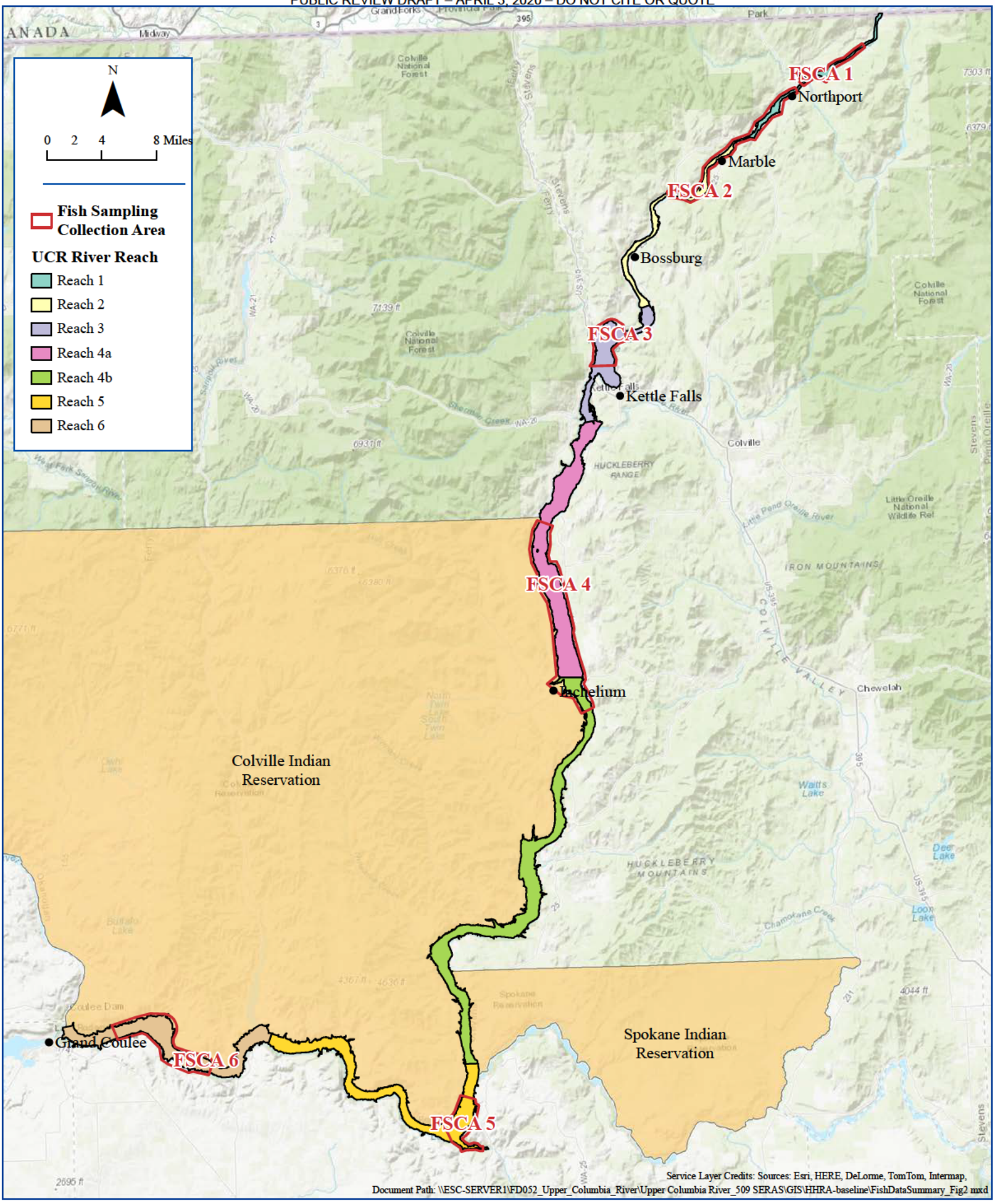


Figure 2-13. Trail Air Emissions: 2002 to 2017
Kilograms per Year
Air Data for Risk Assessment: 2002 - 2009
Arsenic (kg)
Cadmium (kg)
Lead (kg)
7000
6000
5000
4000
3000
2000
1000
0
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017

Figure 2-14. Sampling Areas, 2005 and 2009 Fish Tissue Studies



Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap,
Document Path: \\ESC-SERVER1\FD052_Upper_Columbia_River\Upper Columbia River_509 SERAS\GIS\HHRA-baseline\FishDataSummary_Fig2.mxd

Figure 2-15: UCR Reaches Sampled for Hatchery White Sturgeon in 2016 (Windward, 2017a)

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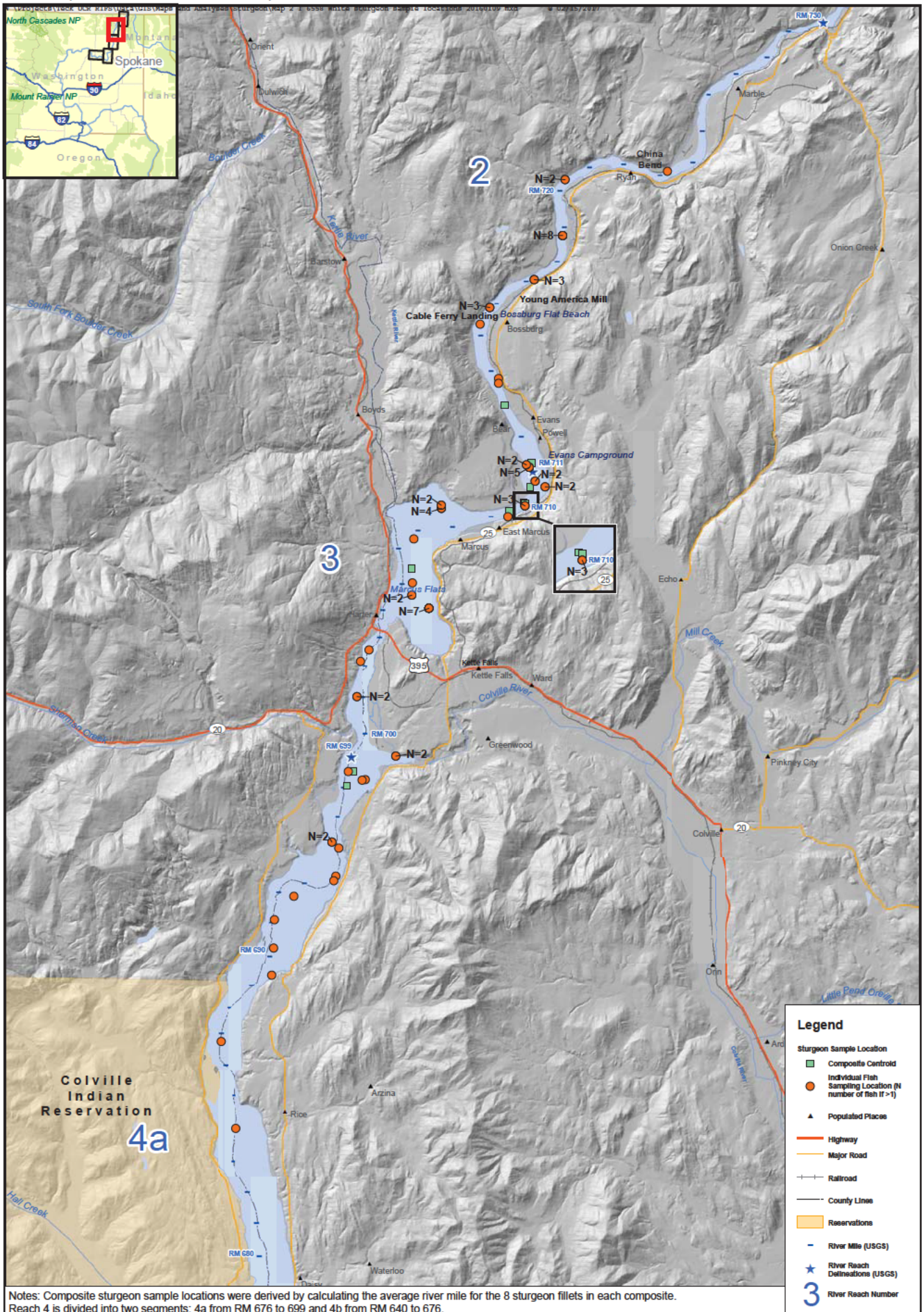

Notes: Composite sturgeon sample locations were derived by calculating the average river mile for the 8 sturgeon fillets in each composite.
Reach 4 is divided into two segments: 4a from RM 676 to 699 and 4b from RM 640 to 676.

Windward environmental LLC

Km 0 1.75 3.5
Miles 0 1.75 3.5
N

Map 2-1. **Sturgeon Tissue Study Sample Locations**
Upper Columbia River, WA

Figure 2-16: Northern Pike Sample Locations (TAI, 2018)

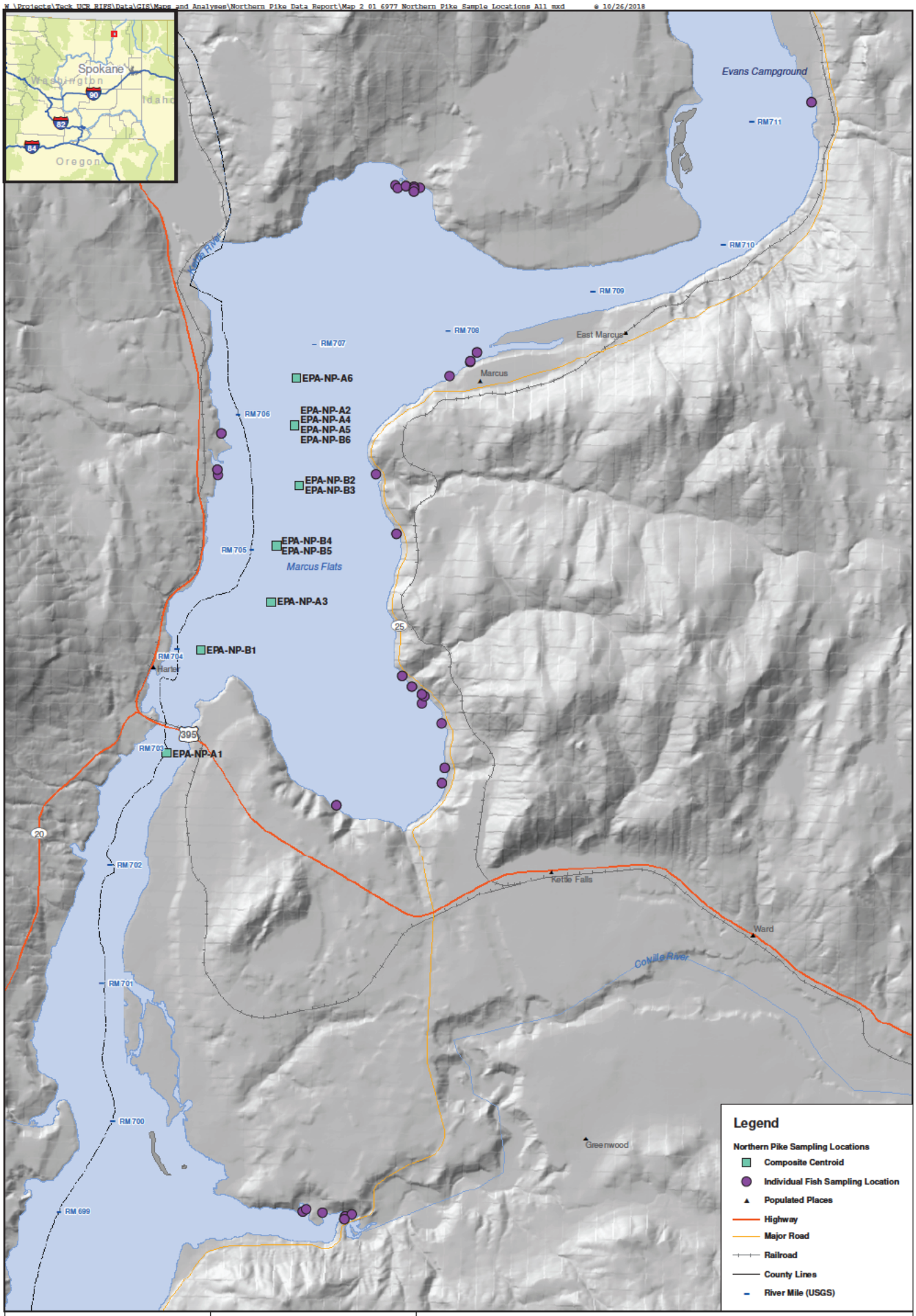

Figure 2-17: Sampling Areas, 2016 Macroinvertebrate Study (TAI, 2017c)

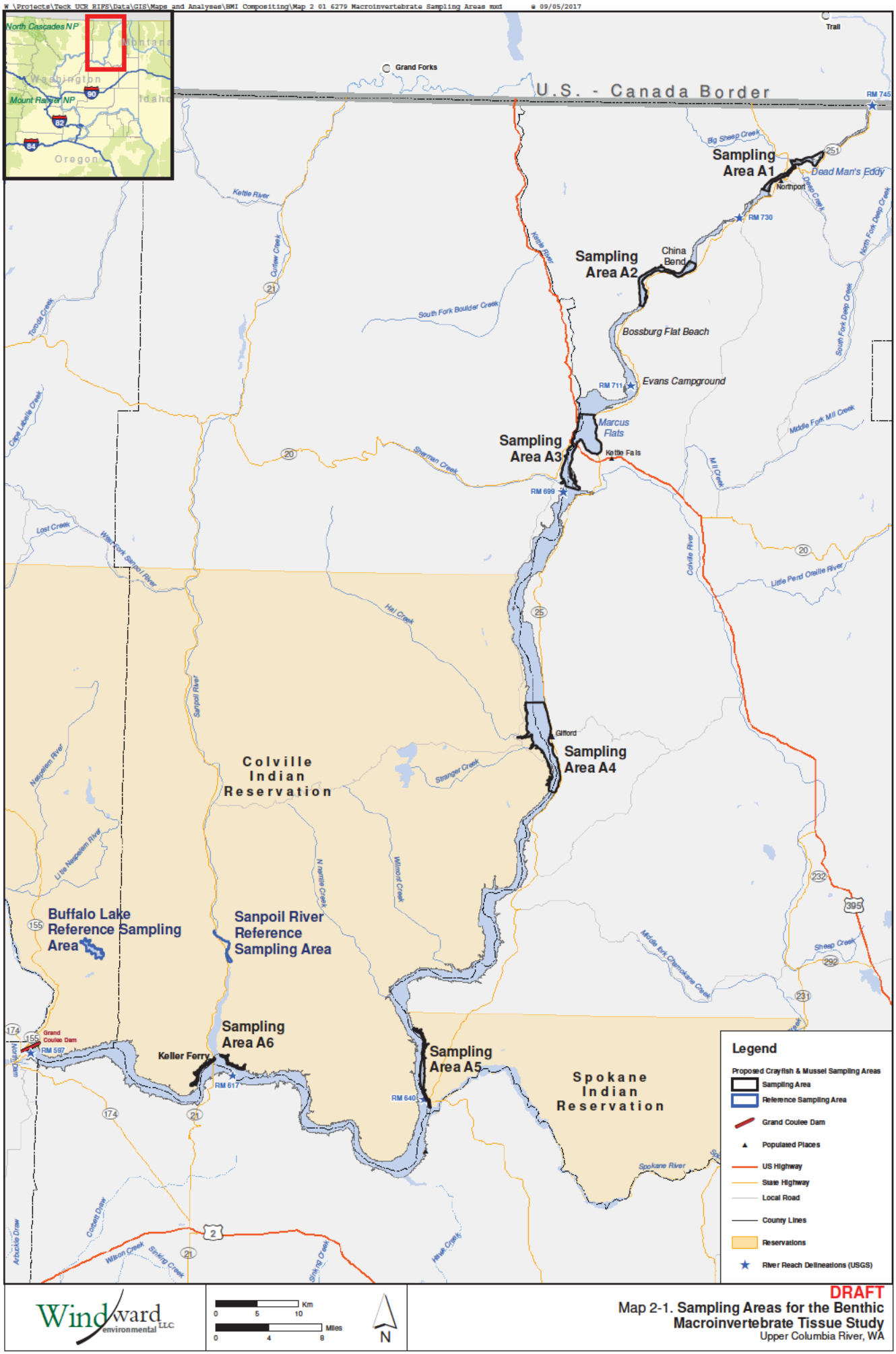

Figure 2-18: Locations of Wild/Cultural Plant Sampling Areas (TAI, 2019a)

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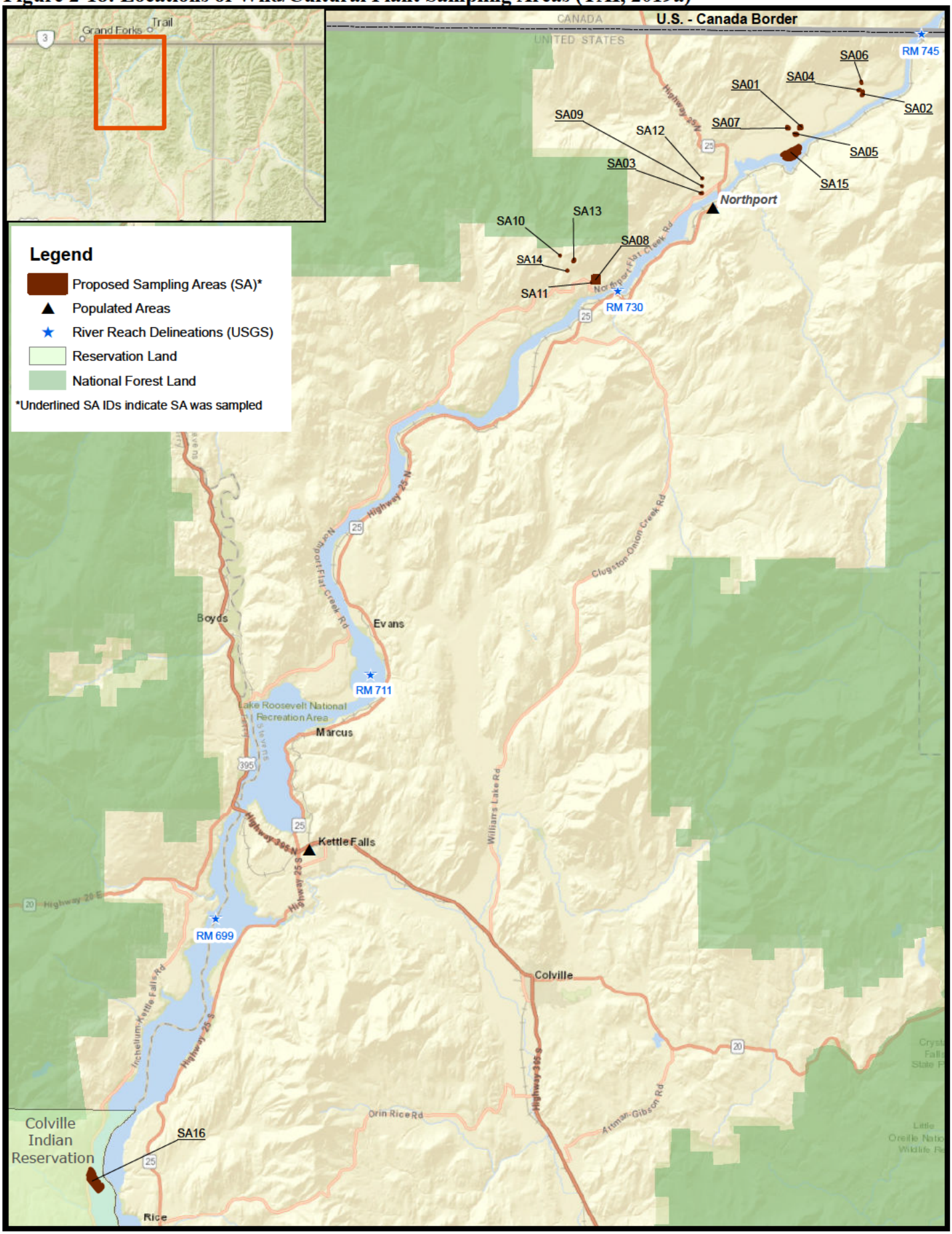


RAMBOLL

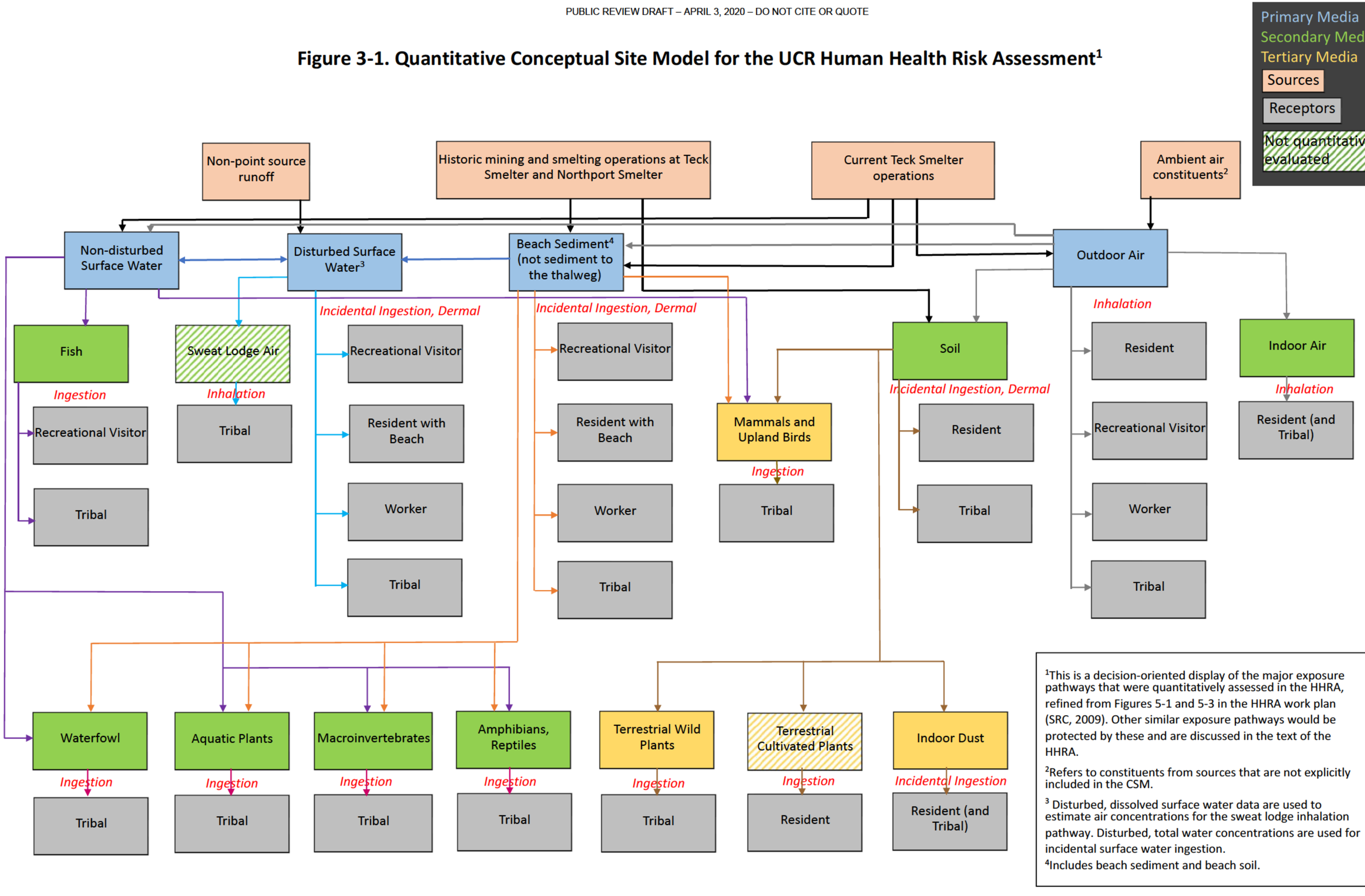
0 1 2 4 Kilometers

0 1 2 4 Miles

N

Map 2-1. Study Area Map
Upper Columbia River, WA

Figure 3-1. Quantitative Conceptual Site Model for the UCR Human Health Risk Assessment[1]



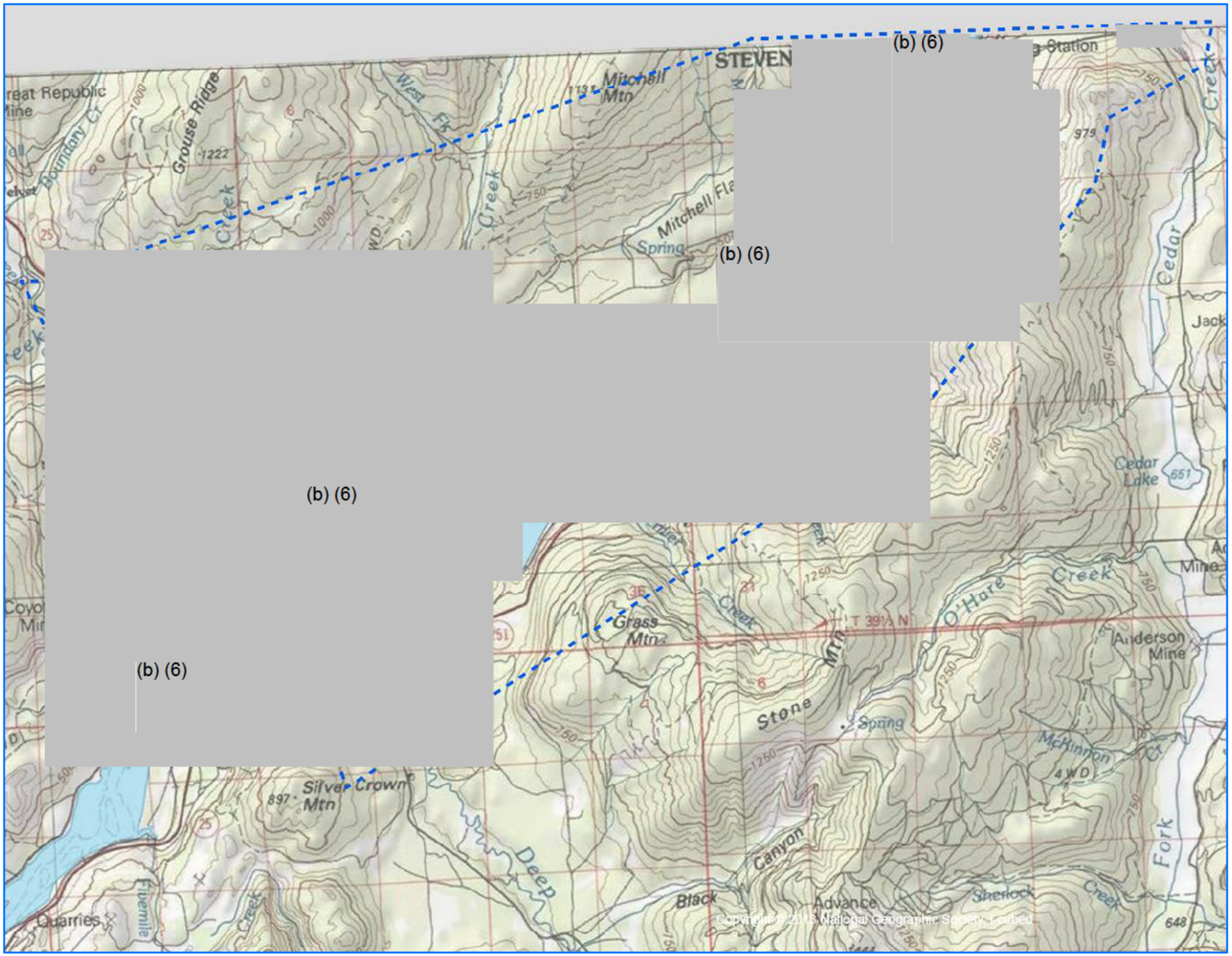
[1]This is a decision-oriented display of the major exposure pathways that were quantitatively assessed in the HHRA, refined from Figures 5-1 and 5-3 in the HHRA work plan (SRC, 2009). Other similar exposure pathways would be protected by these and are discussed in the text of the HHRA.

[2]Refers to constituents from sources that are not explicitly included in the CSM.

[3] Disturbed, dissolved surface water data are used to estimate air concentrations for the sweat lodge inhalation pathway. Disturbed, total water concentrations are used for incidental surface water ingestion.

[4]Includes beach sediment and beach soil.

Figure 3-2. Residential Beaches Sampled as Part of the 2014 Residential Soil Study



N

0 1.1 Miles

2014 Residential Beach Decision Units

2014 Residential Soil Sampling Area

Figure 3-3. Residential Beaches Sampled as Part of the 2016 Residential Soil Study

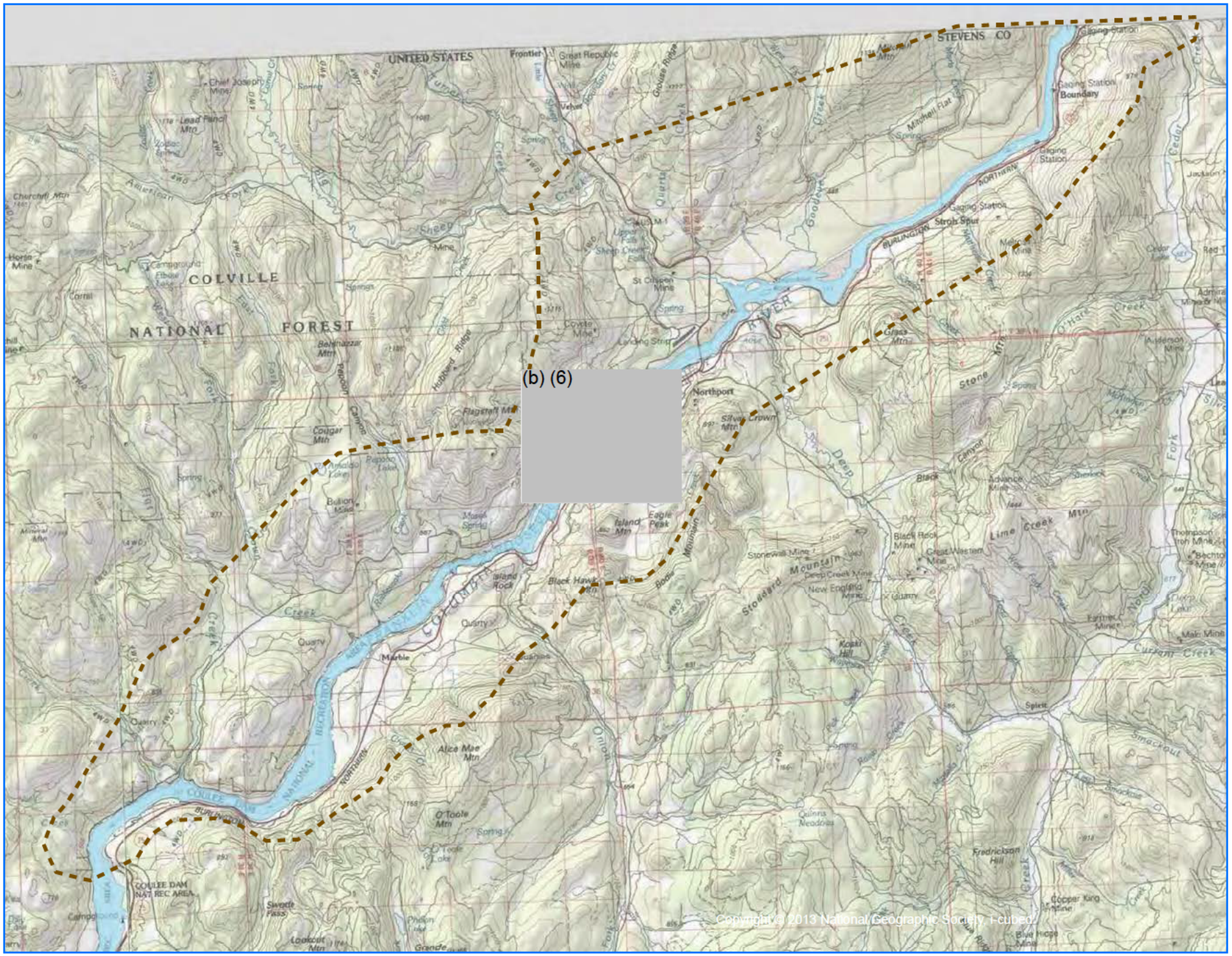


Figure 3-4. Regions of Lake Roosevelt

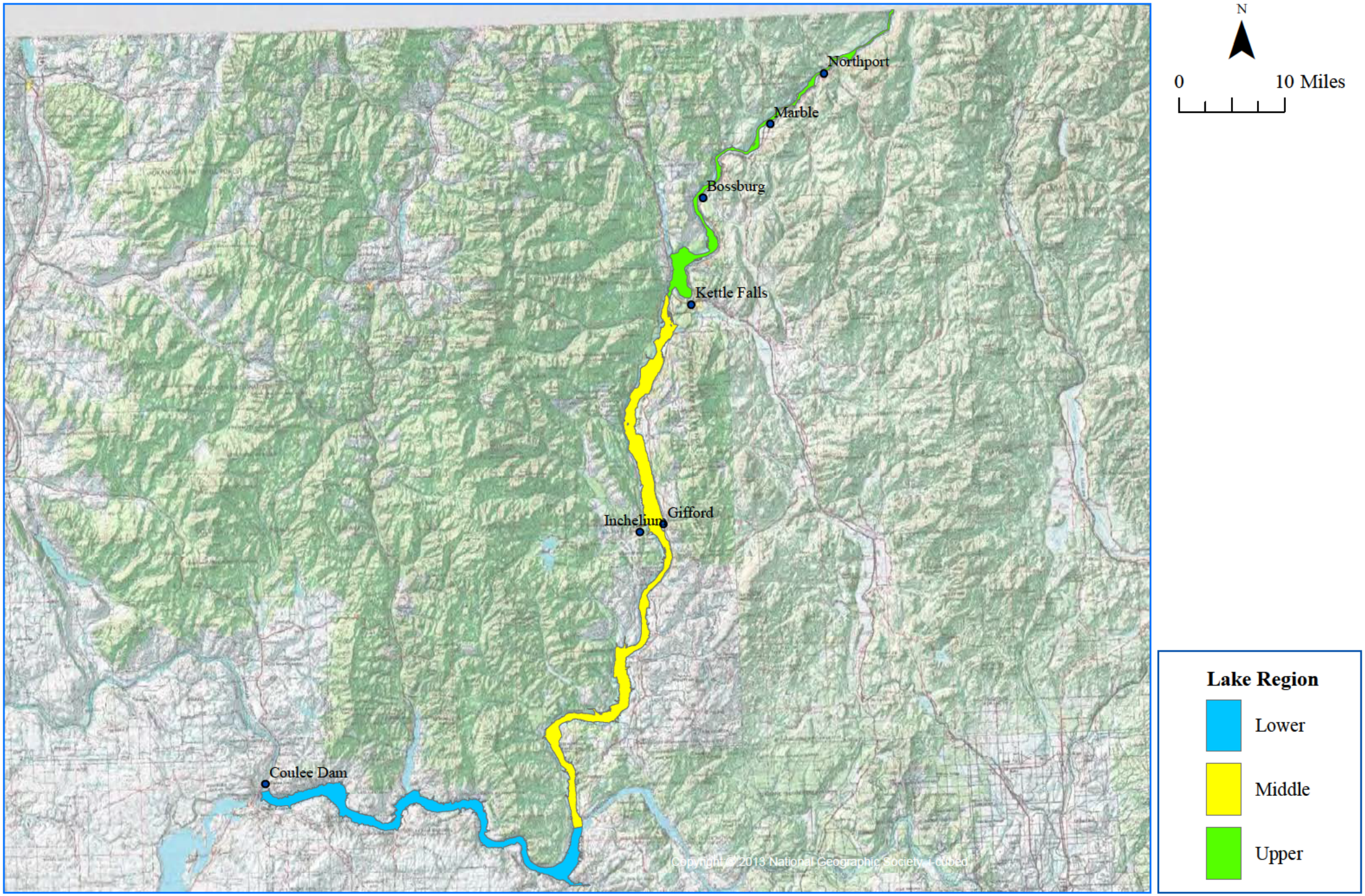
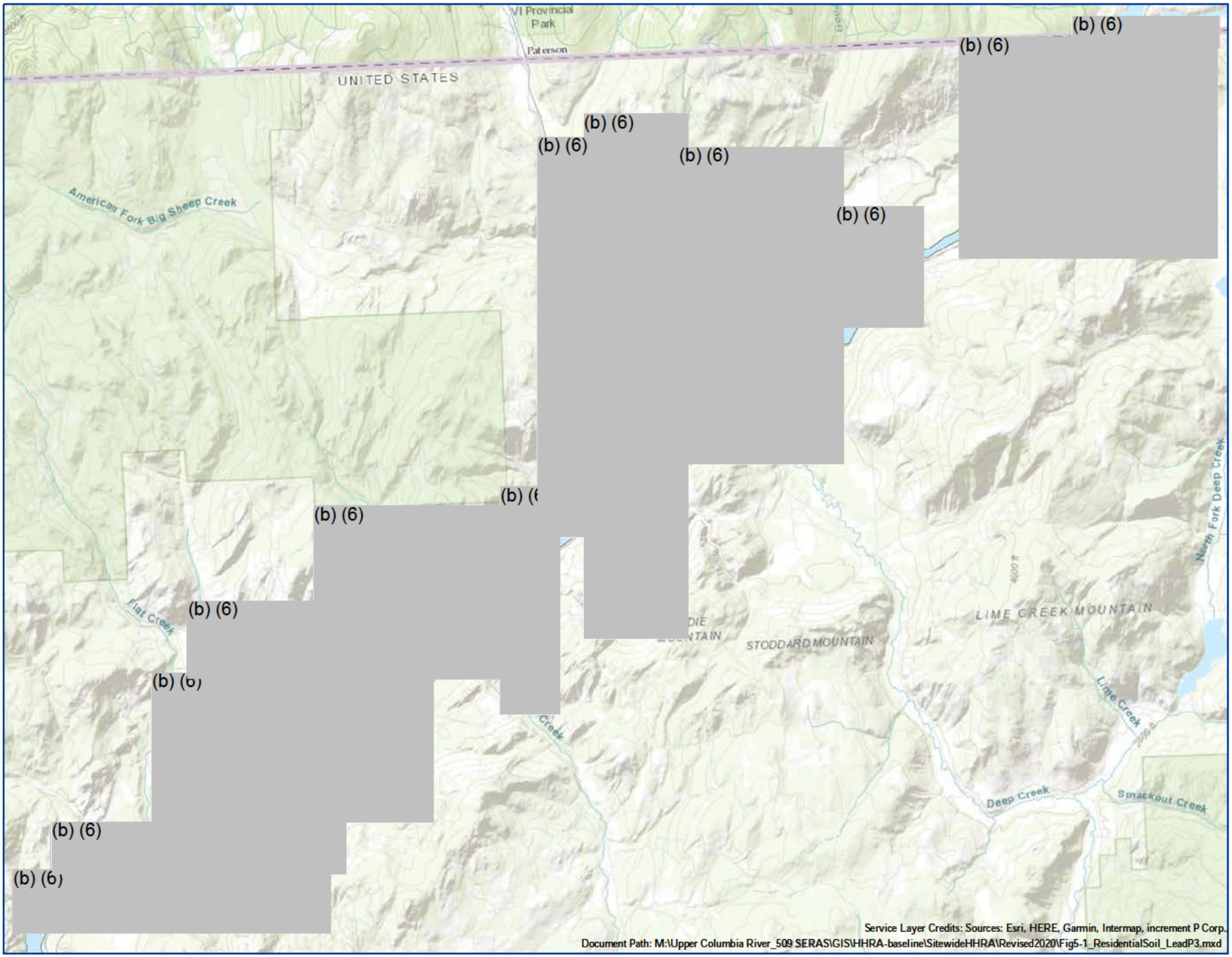


Figure 5-1. Residential Soil DUs where Lead Risk Exceeds P3, Not Including Fish Consumption



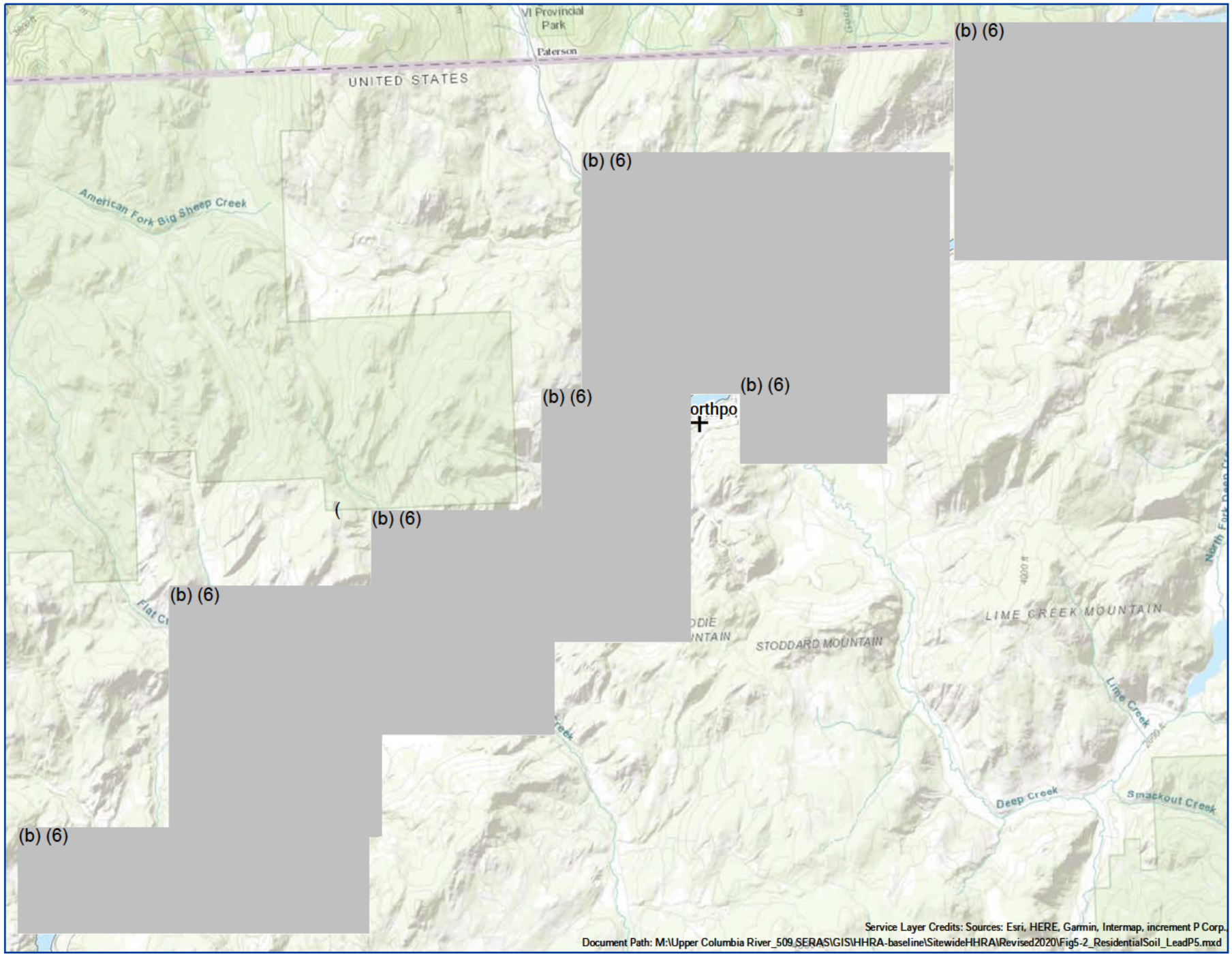
N

0 0.5 1 1.5 Miles

- P3>5% DUs Sampled in the 2014 and 2016
- Residential Soil Studies (Excluding Beaches)

Note:
Tribal allotments sampled in 2014 and 2016 are included on this map; analyses for these DUs are in Appendix 1.

Figure 5-2. Residential Soil DUs where Lead Risk Exceeds P5, Not Including Fish Consumption



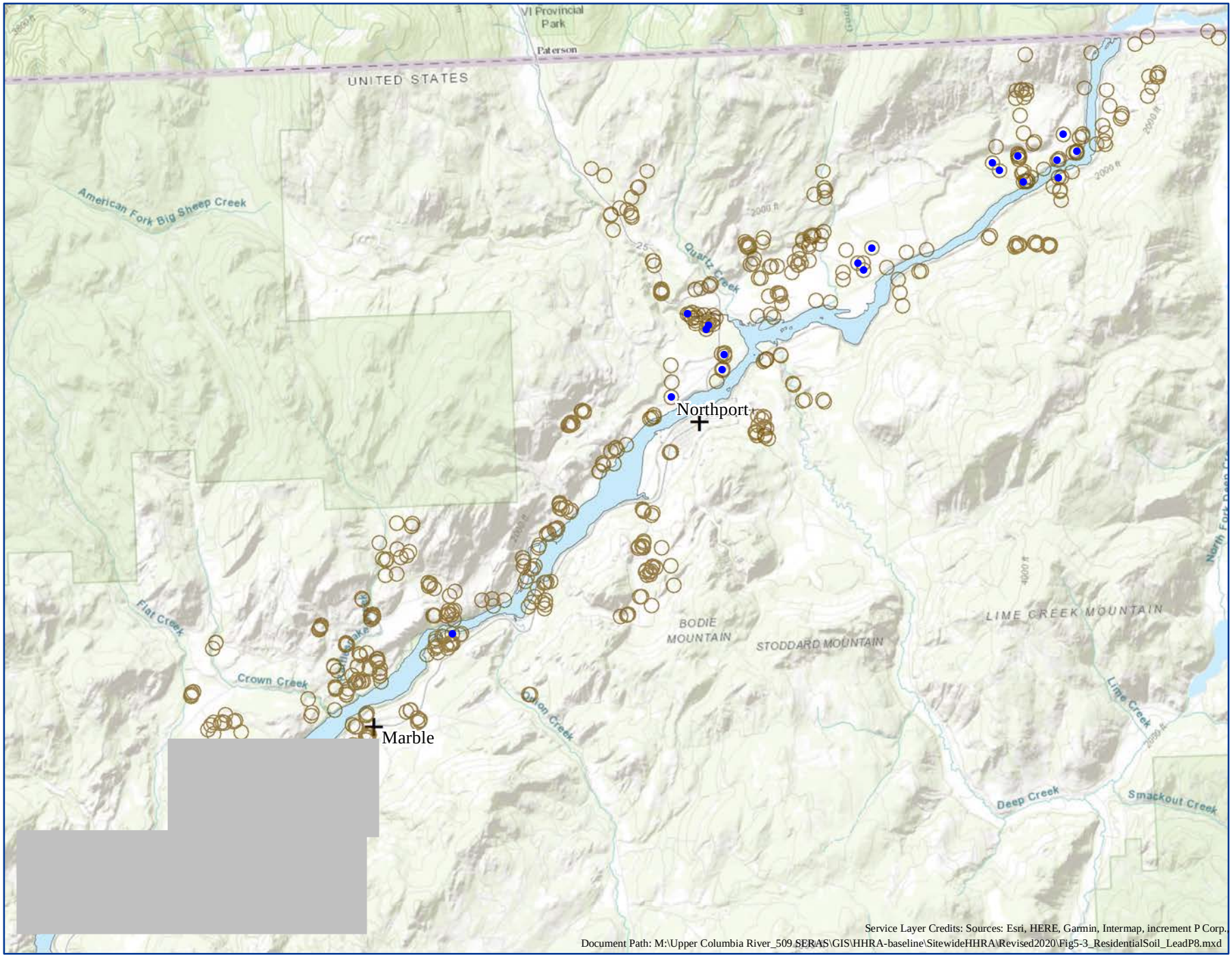
N

0 0.5 1 1.5 Miles

- P5>5% DUs Sampled in the 2014 and 2016
- Residential Soil Studies (Excluding Beaches)

Note:
Tribal allotments sampled in 2014 and 2016 are included on this map; analyses for these DUs are in Appendix 1.

Figure 5-3. Residential Soil DUs where Lead Risk Exceeds P8, Not Including Fish Consumption



N

0 0.5 1 1.5 Miles

- P8>5%
  DUs Sampled in the 2014 and 2016
- Residential Soil Studies (Excluding Beaches)

Note:
Tribal allotments sampled in 2014 and 2016 are included on this map; analyses for these DUs are in Appendix 1.

Figure 5-4. Upland Soil ADAs Where Lead Risk Exceeds P3, Not Including Fish Consumption

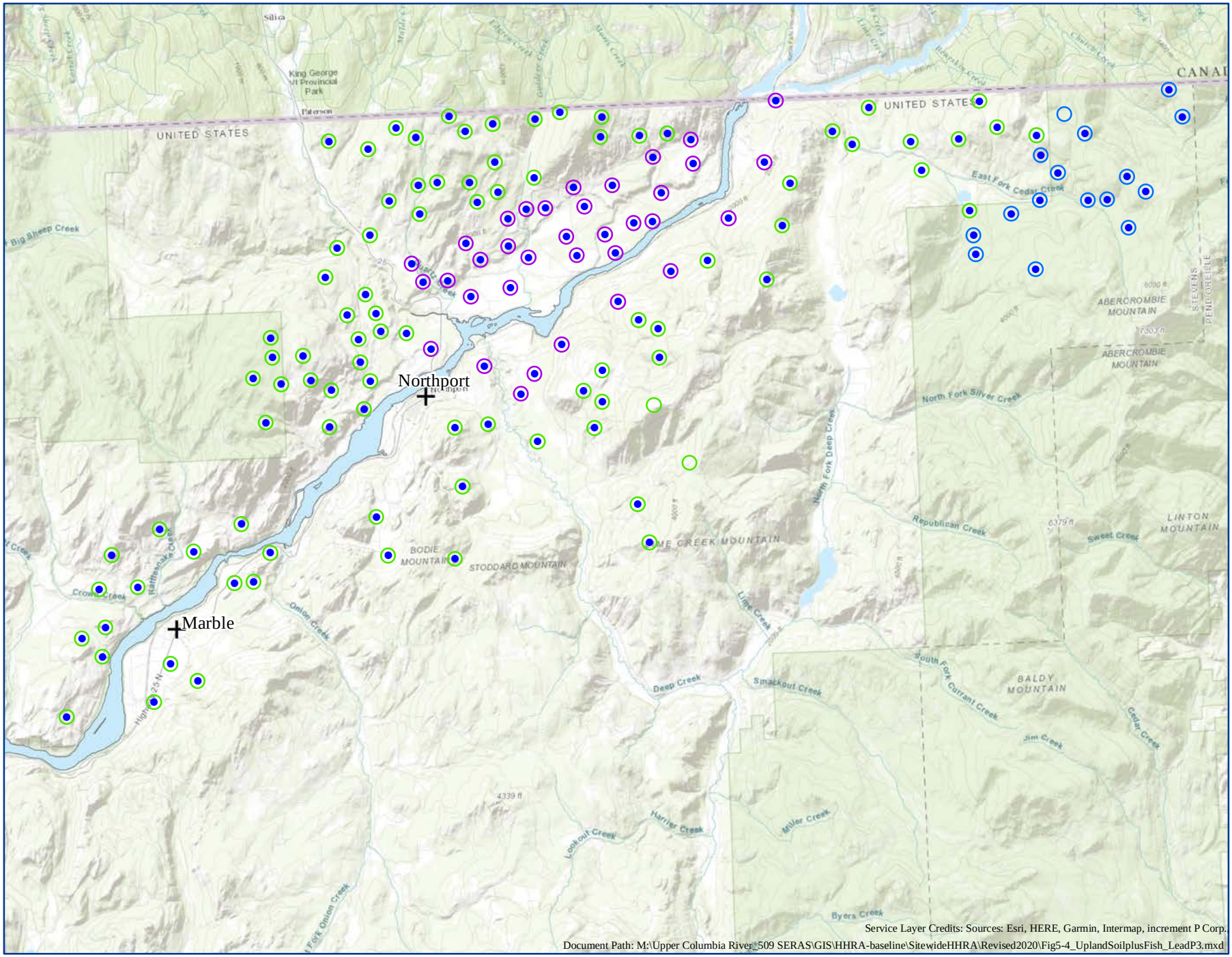


Figure 5-5. Upland Soil ADAs Where Lead Risk Exceeds P5, Not Including Fish Consumption

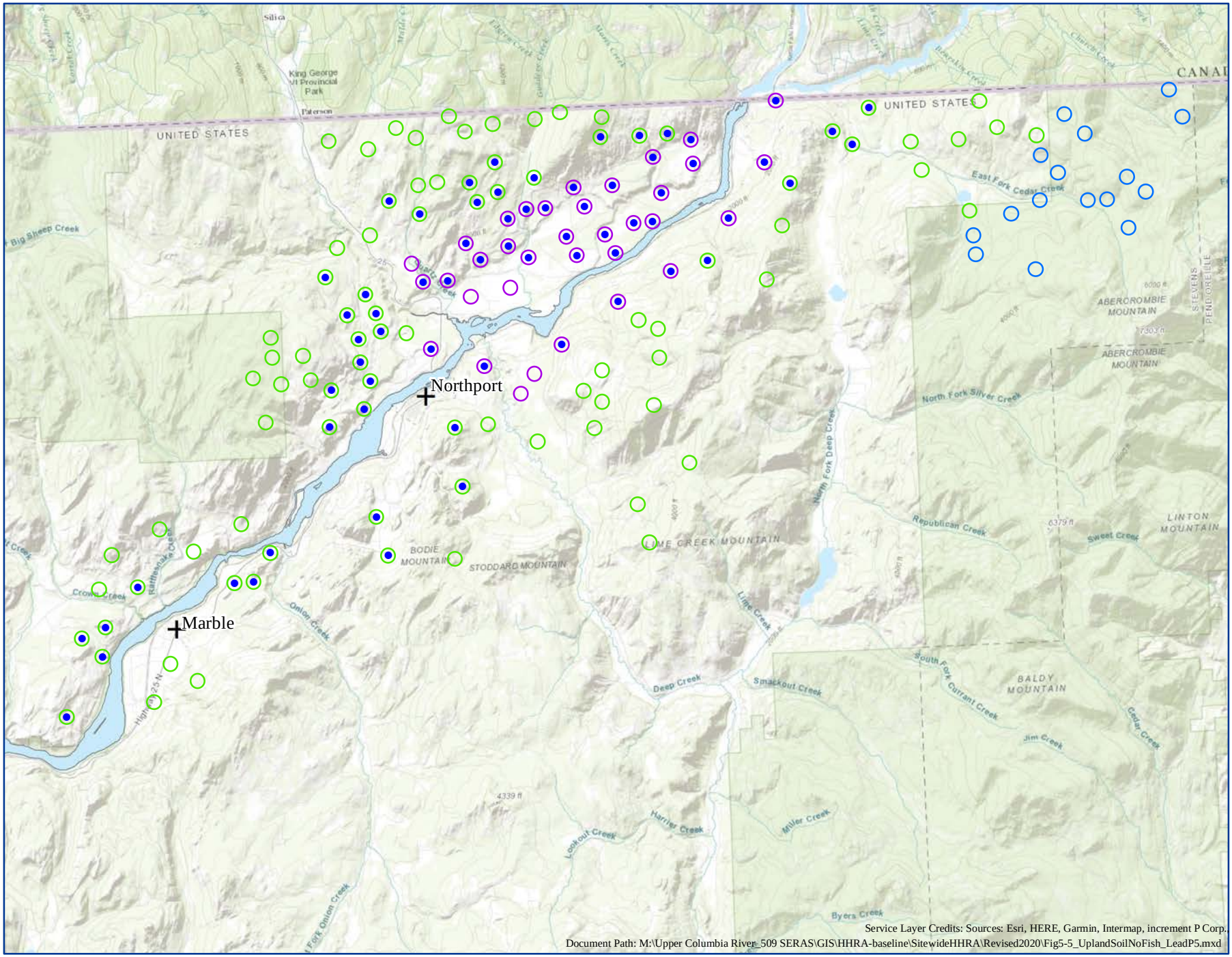
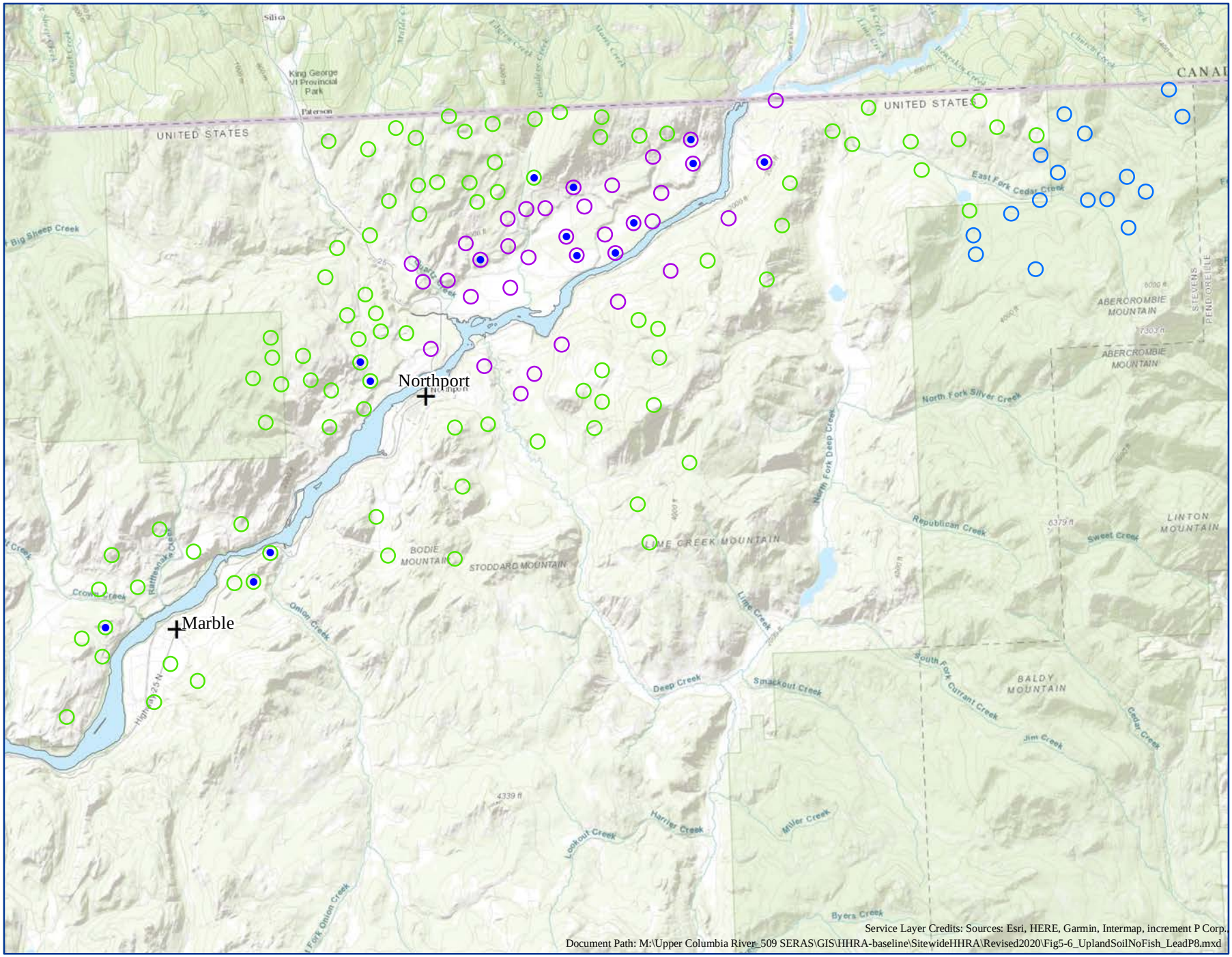


Figure 5-6. Upland Soil ADAs Where Lead Risk Exceeds P8, Not Including Fish Consumption

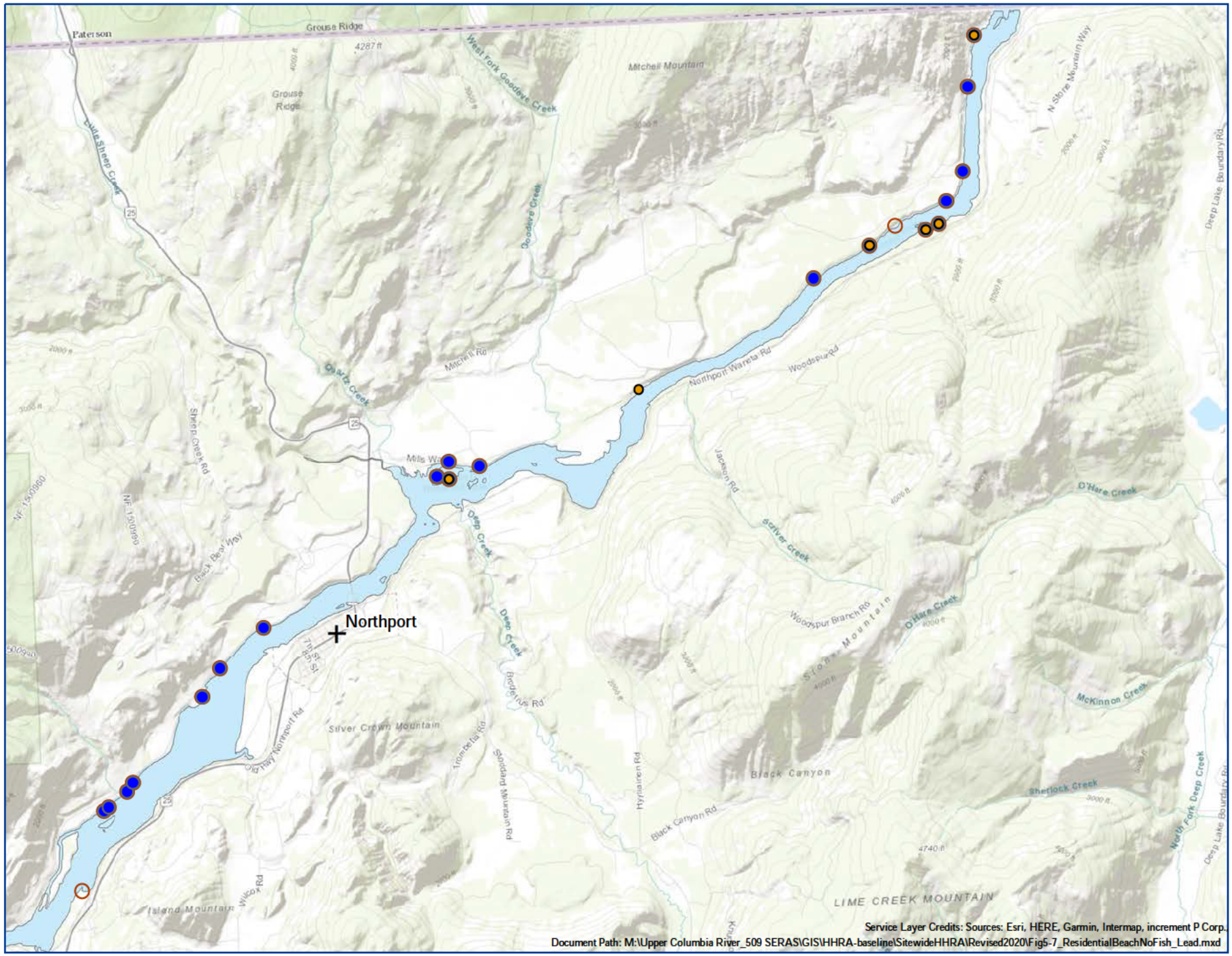


- P8>5%

ADAs Sampled During the 2014 Upland Soil Study

- Area of Interest (AOI)
- High Density AOI
- Reserve AOI

Figure 5-7. Residential Beach Exposure to Lead, not Including Fish Consumption



N

0 0.5 1 Miles

- P3>5%
- P5>5%
- Residential Beach DUs Sampled in 2014 and 2016

Notes:
1. No residential beach DUs exceeded P8.
2. The tribal allotment with a beach (DU411) is included on this map; analysis for this DU is in Appendix 1.

Figure 5-8. Non-Cancer Target Organ HIs>1: RME Current Child Residential Exposure to Non-Lead COPCs in Soil

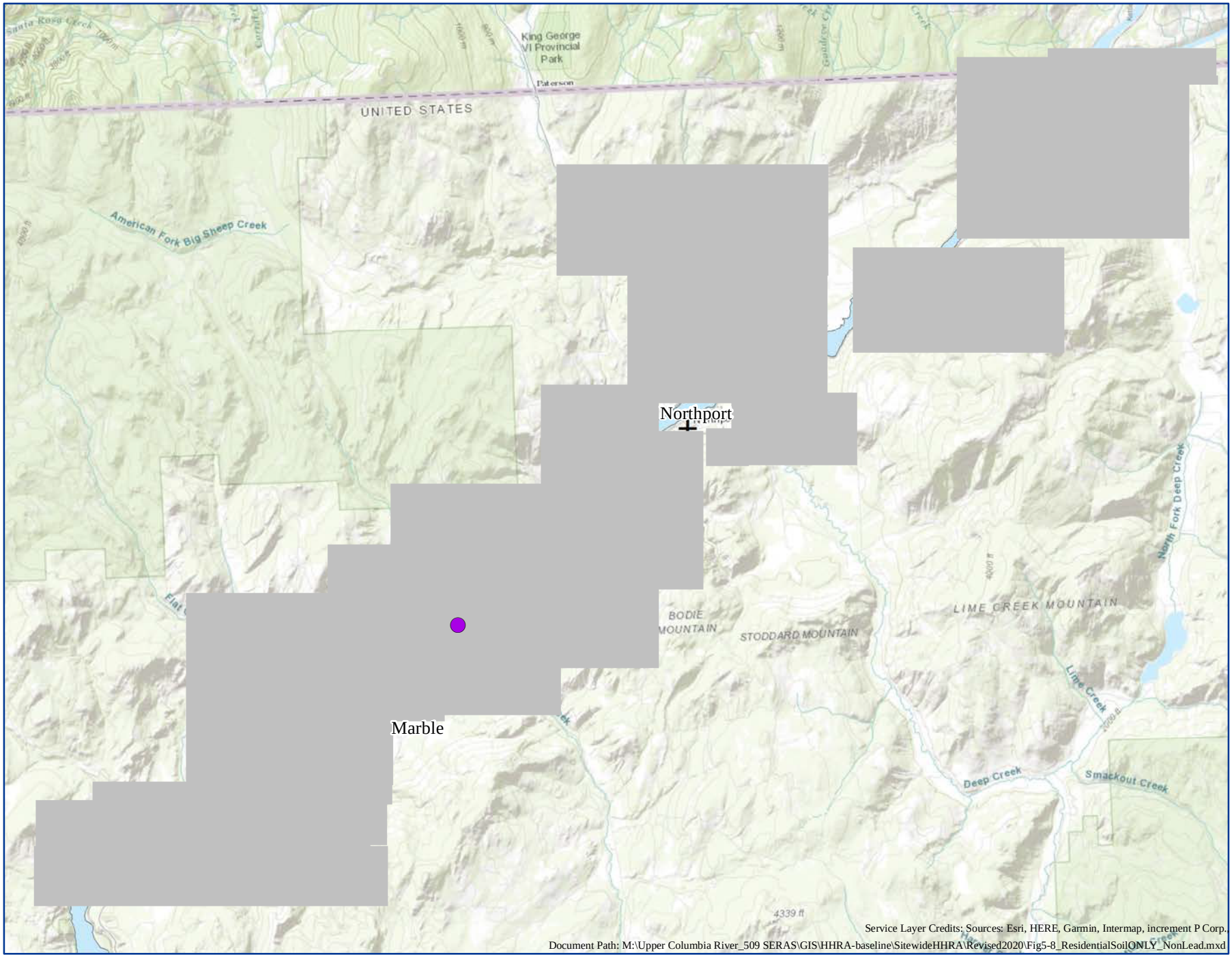


Figure 5-9. Non-Cancer Target Organ HIs>1: RME Future Child Residential Exposure to Non-Lead COPCs in Soil

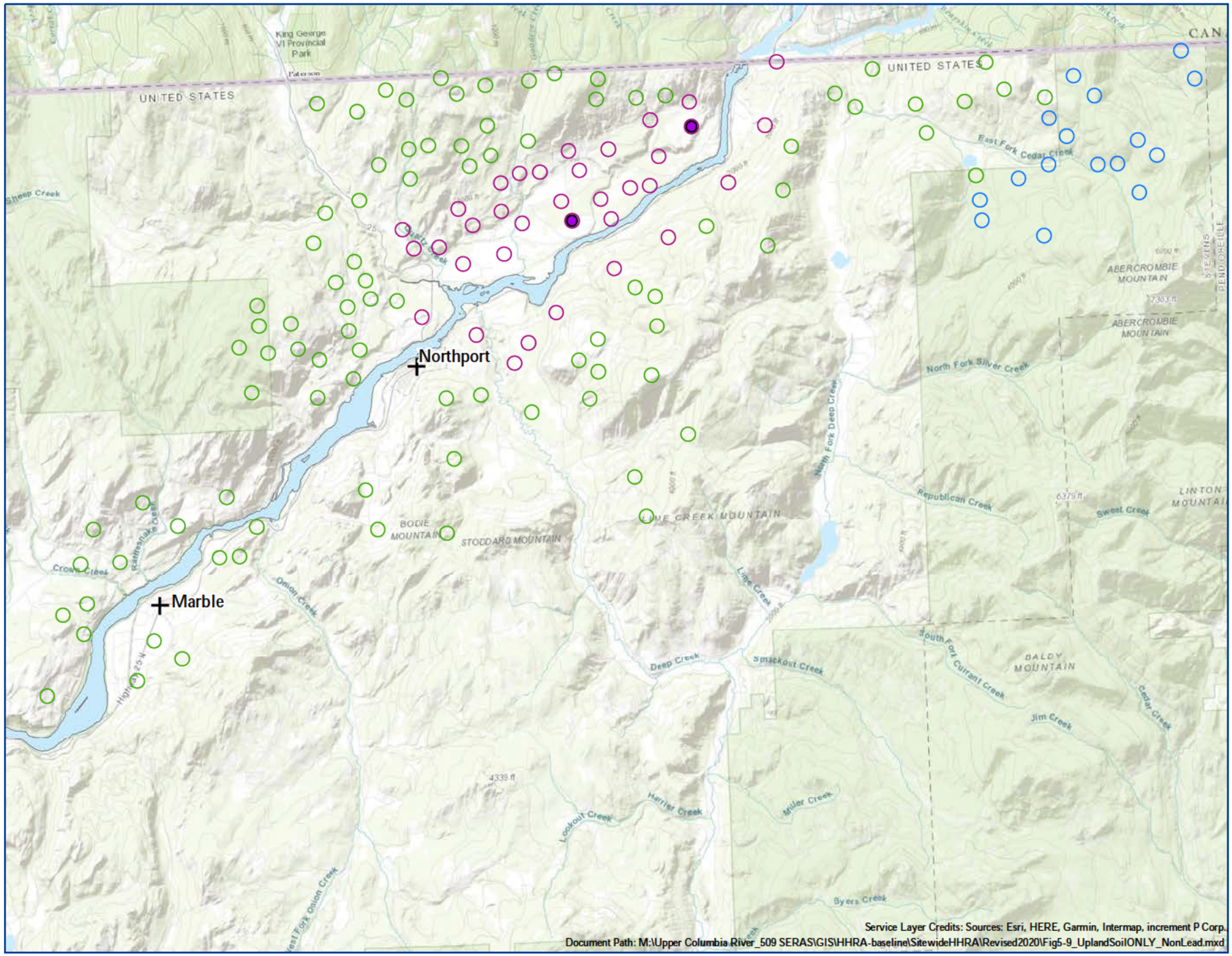


Figure 5-10. Non-Cancer Target Organ HIs>1 for the RME Current Adult Resident Population

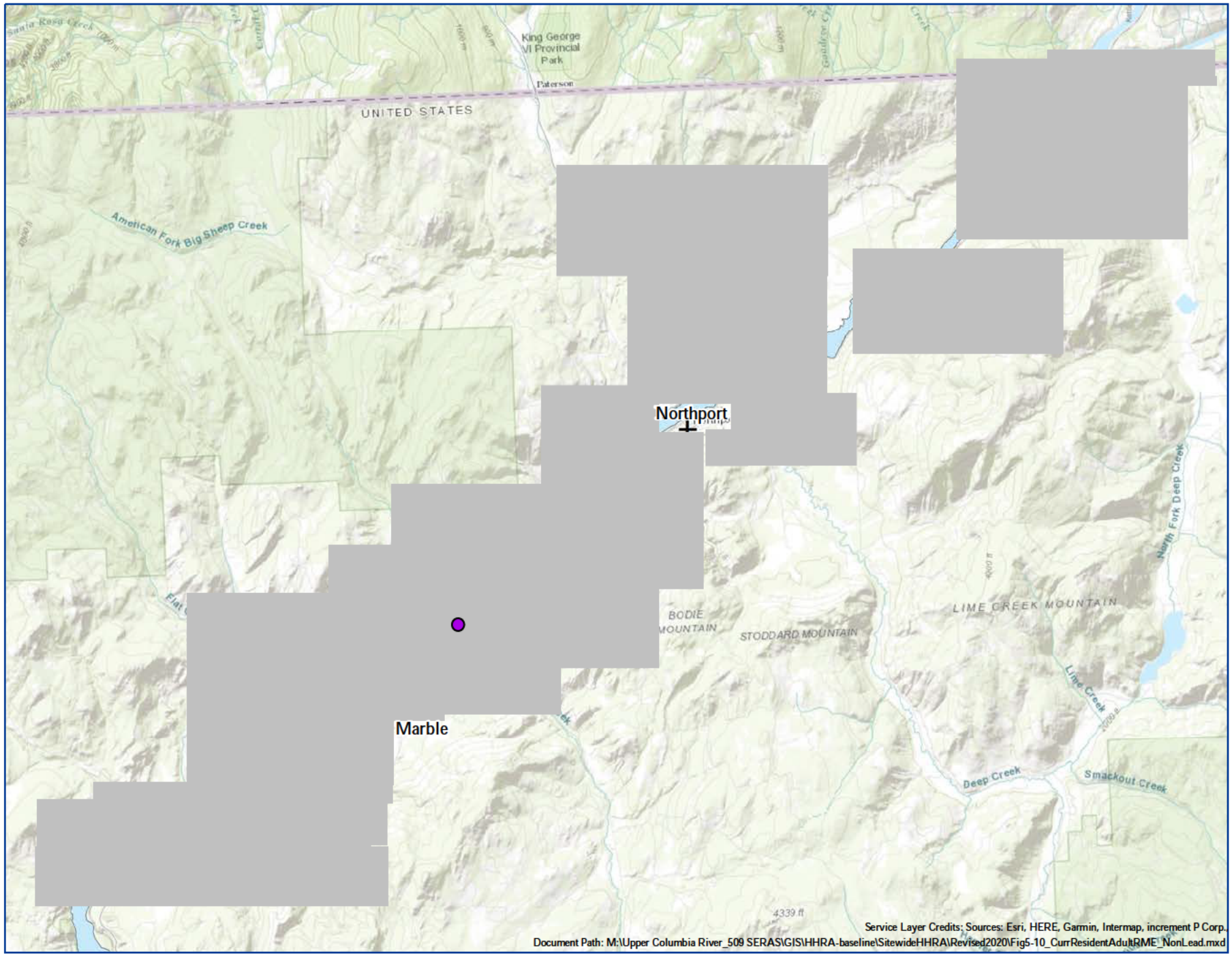


Figure 5-11. Non-Cancer Target Organ HIs>1 for the RME Current Child Resident Population that Consumes Burbot

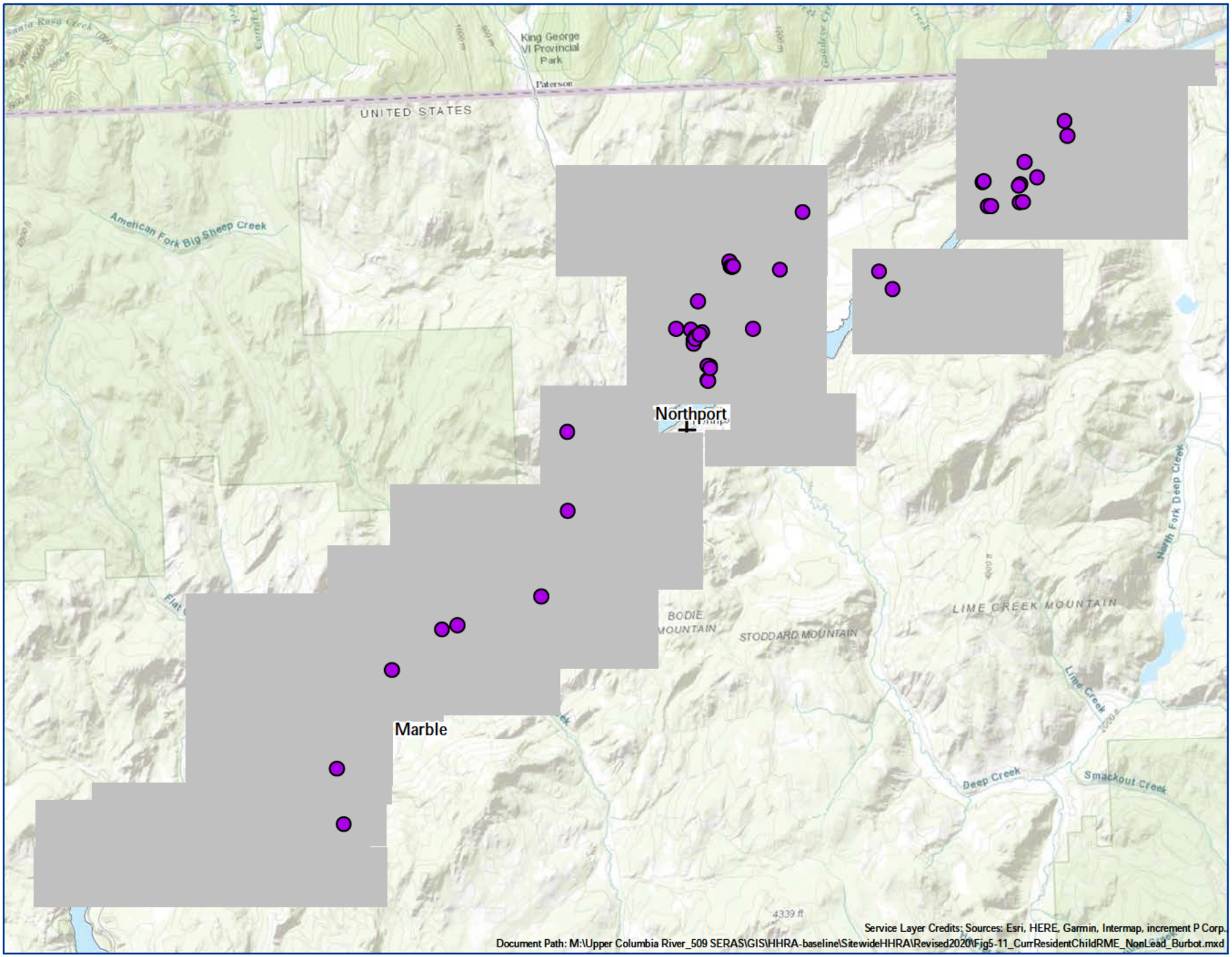


Figure 5-12. Non-Cancer Target Organ HIs >1 for the RME Current Child Resident Population that Consumes Kokanee

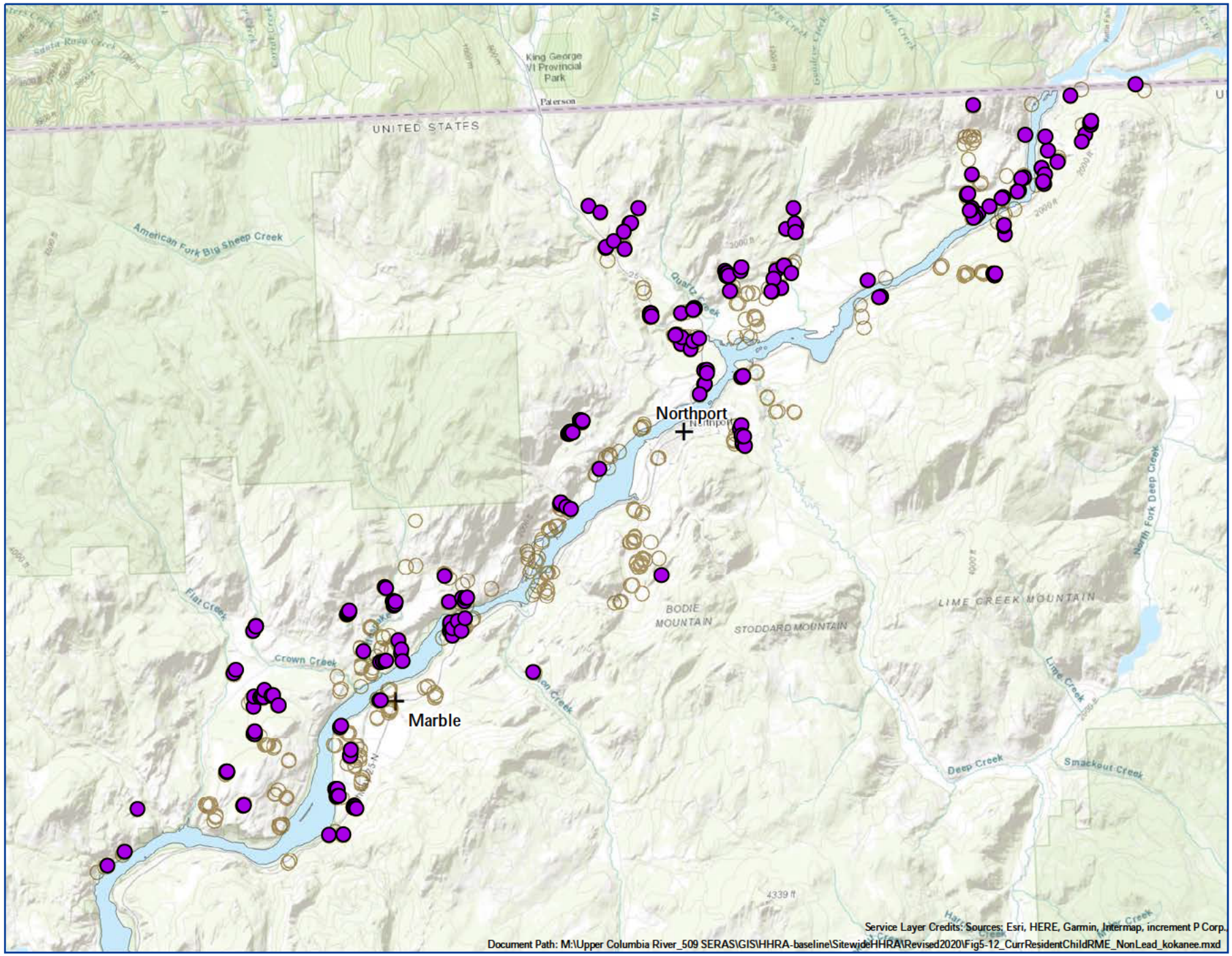


Figure 5-13. Non-Cancer Target Organ HIs >1 for the RME Current Child Resident Population that Consumes Rainbow Trout

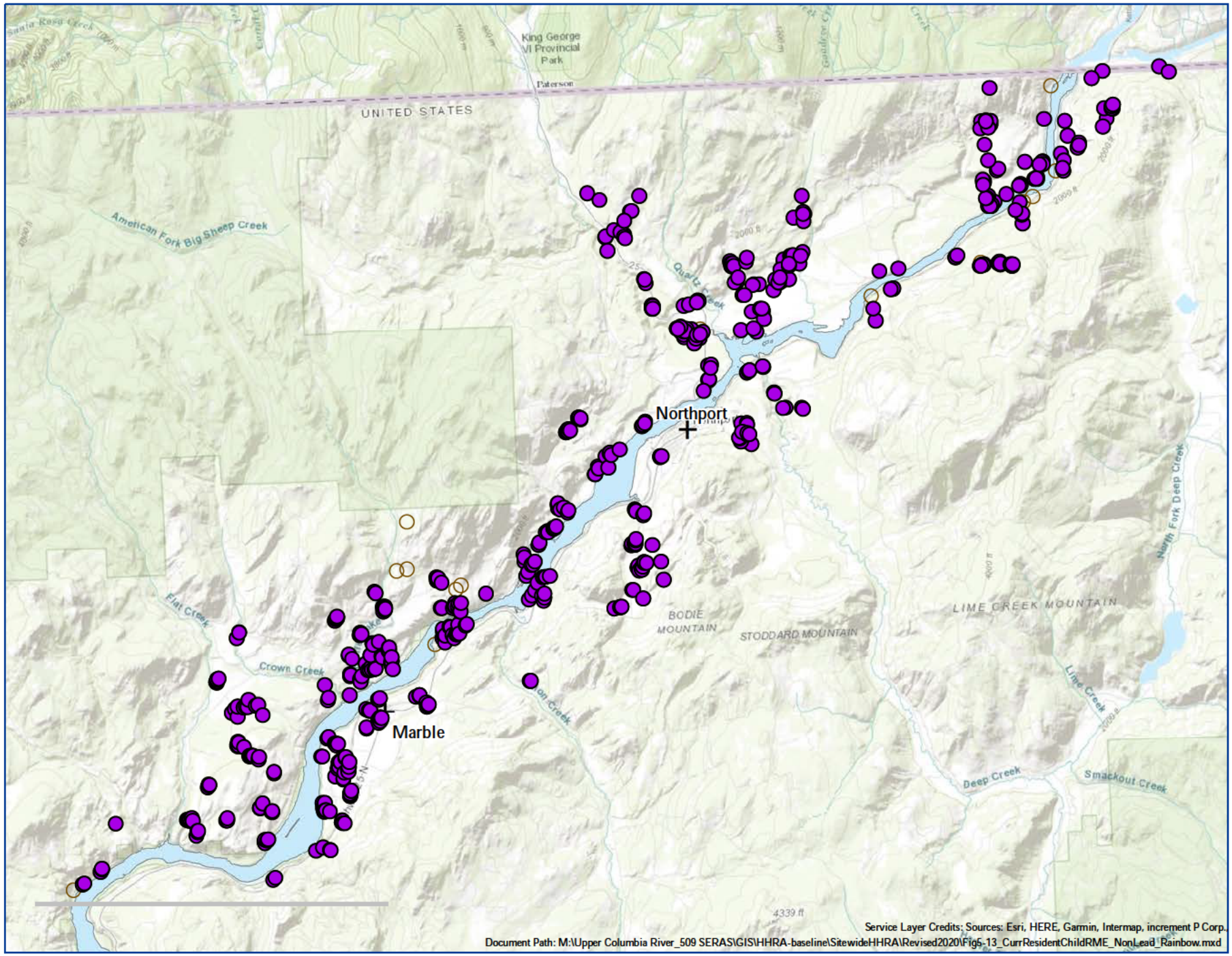


Figure 5-14. Non-Cancer Target Organ HIs>1 for the RME Current Child Resident Population that Consumes Sturgeon

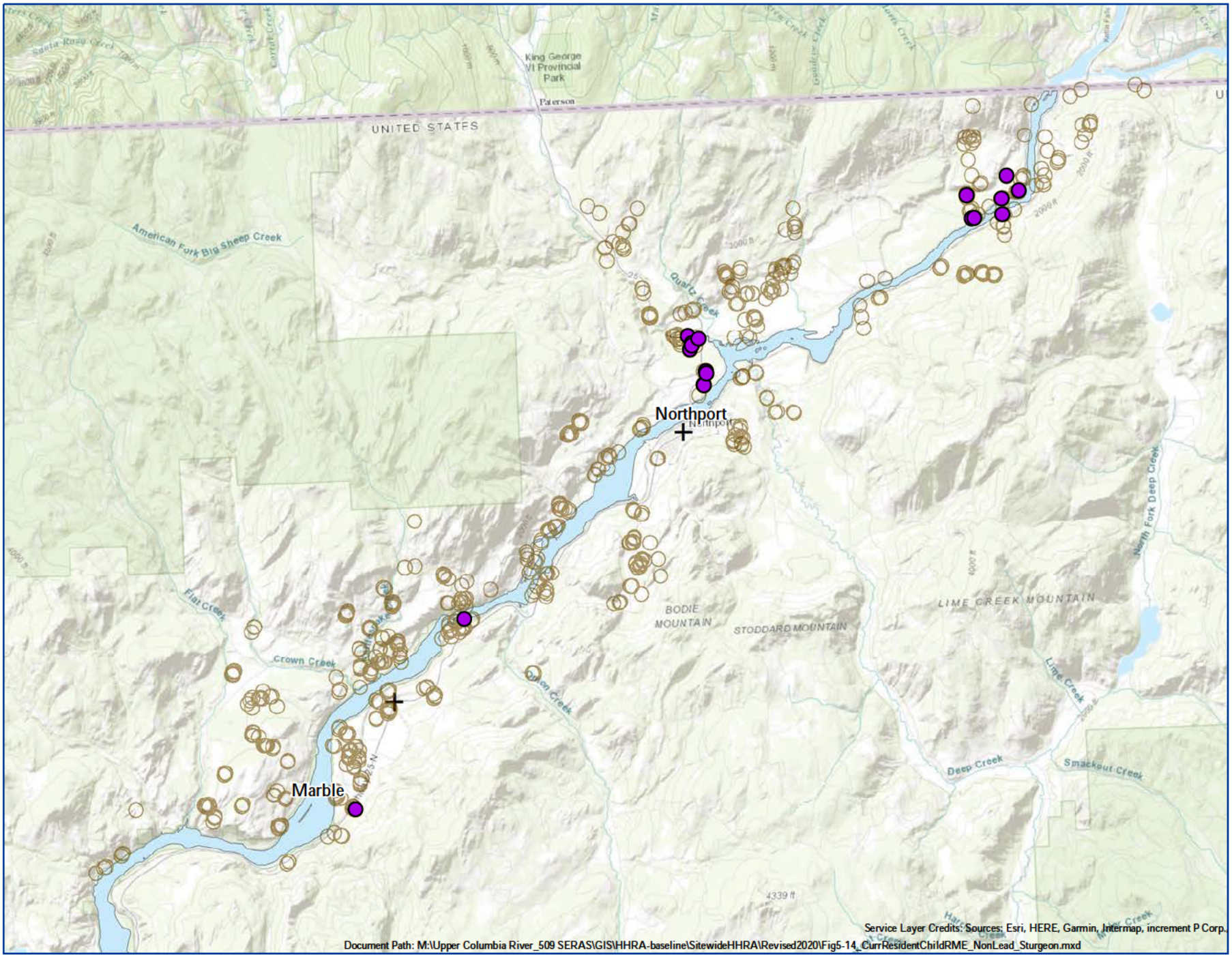


Figure 5-15. Non-Cancer Target Organ HIs >1 for the RME Current Child Resident Population that Consumes Sucker

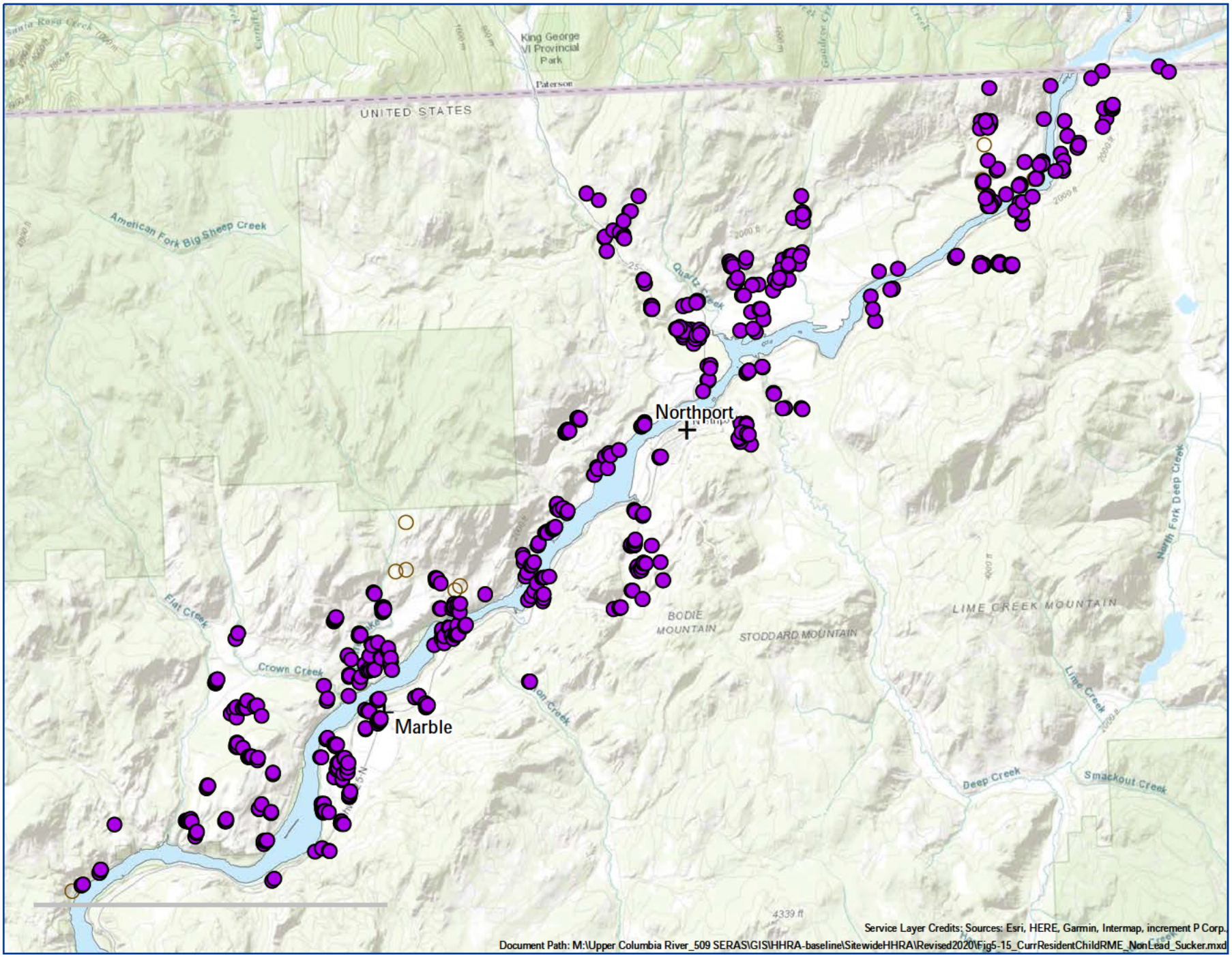


Figure 5-16. Non-Cancer Target Organ HIs >1 for the RME Current Child Resident Population that Consumes Walleye

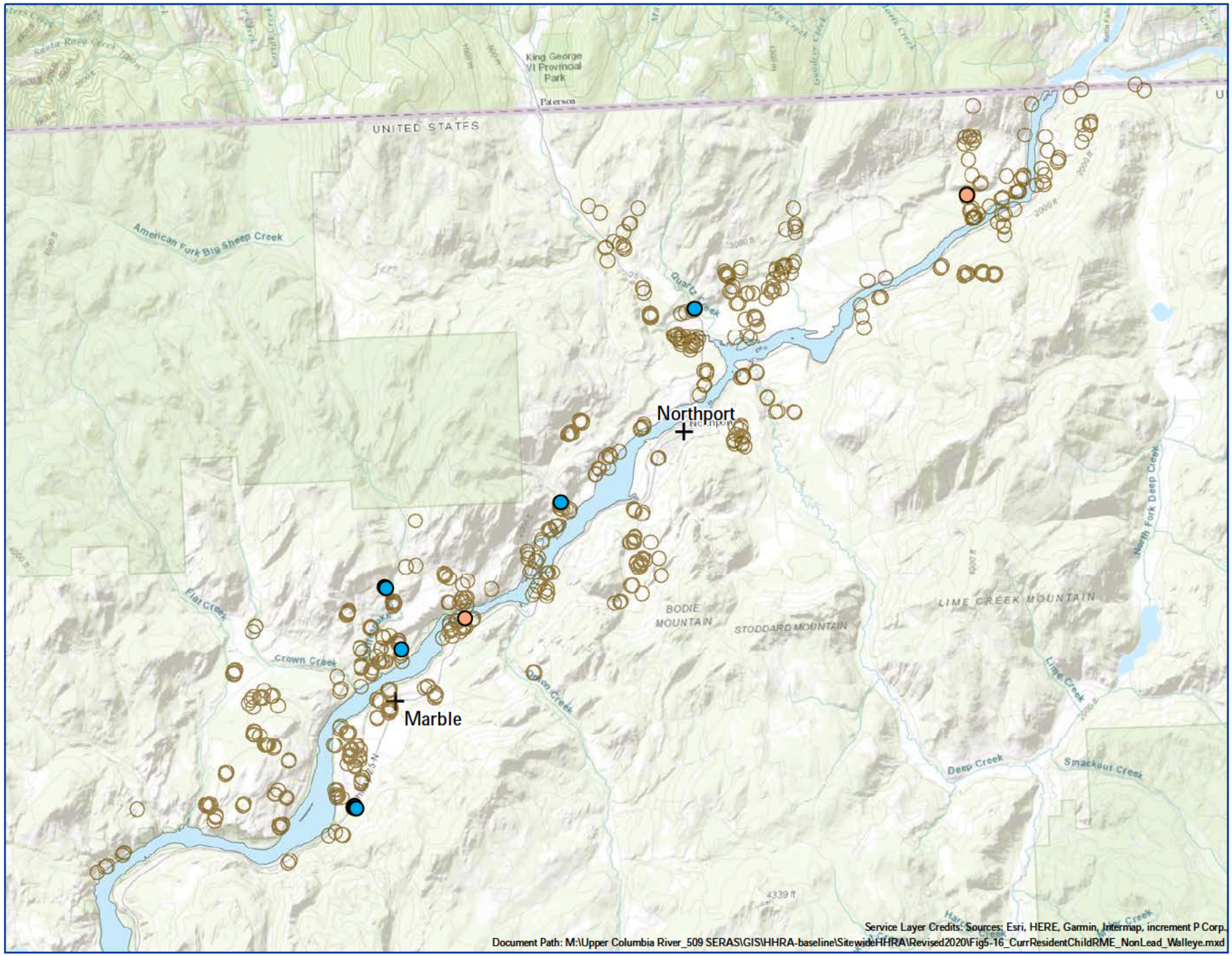


Figure 5-17. Non-Cancer Target Organ HIs >1 for the CTE Current Child Resident Population

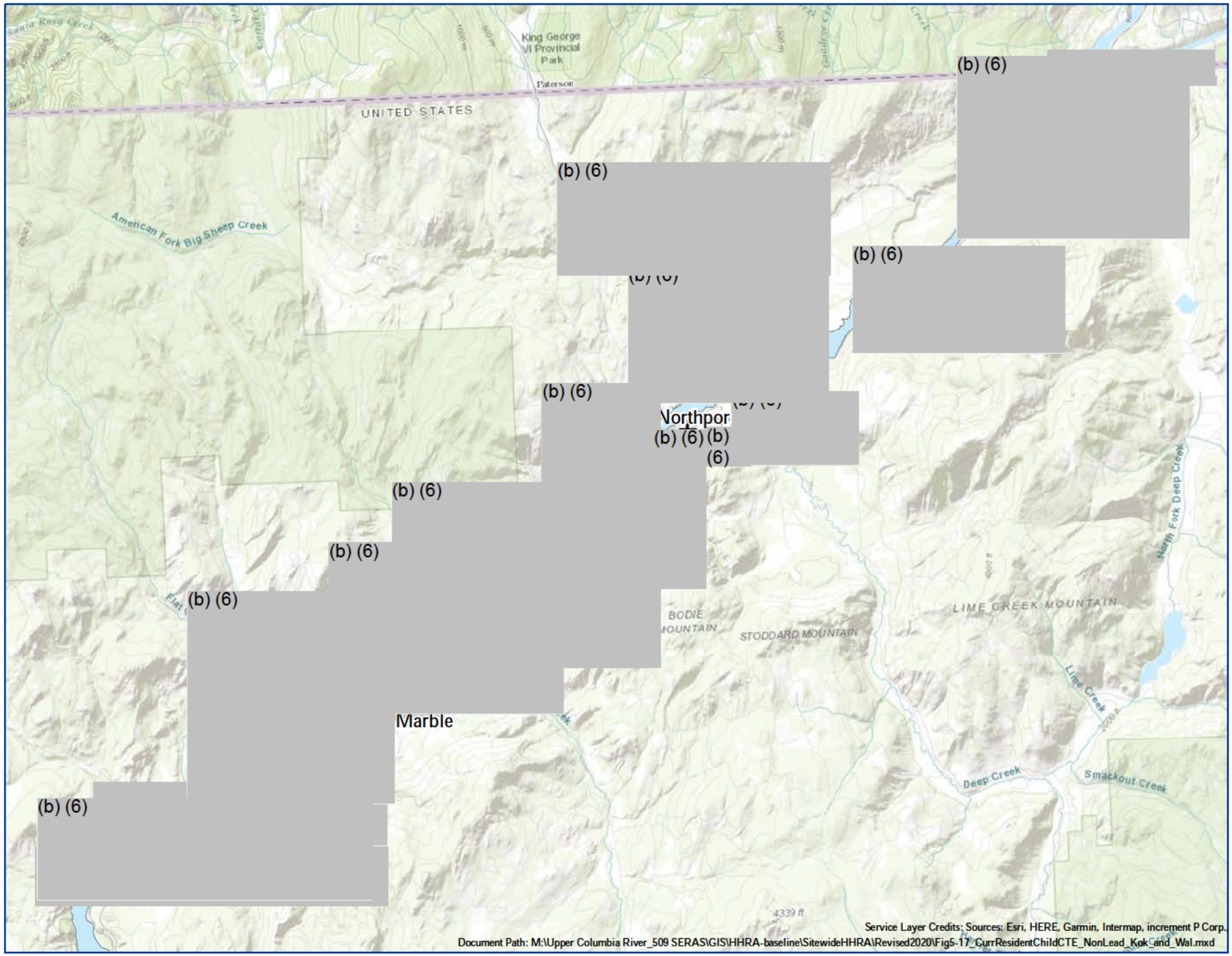
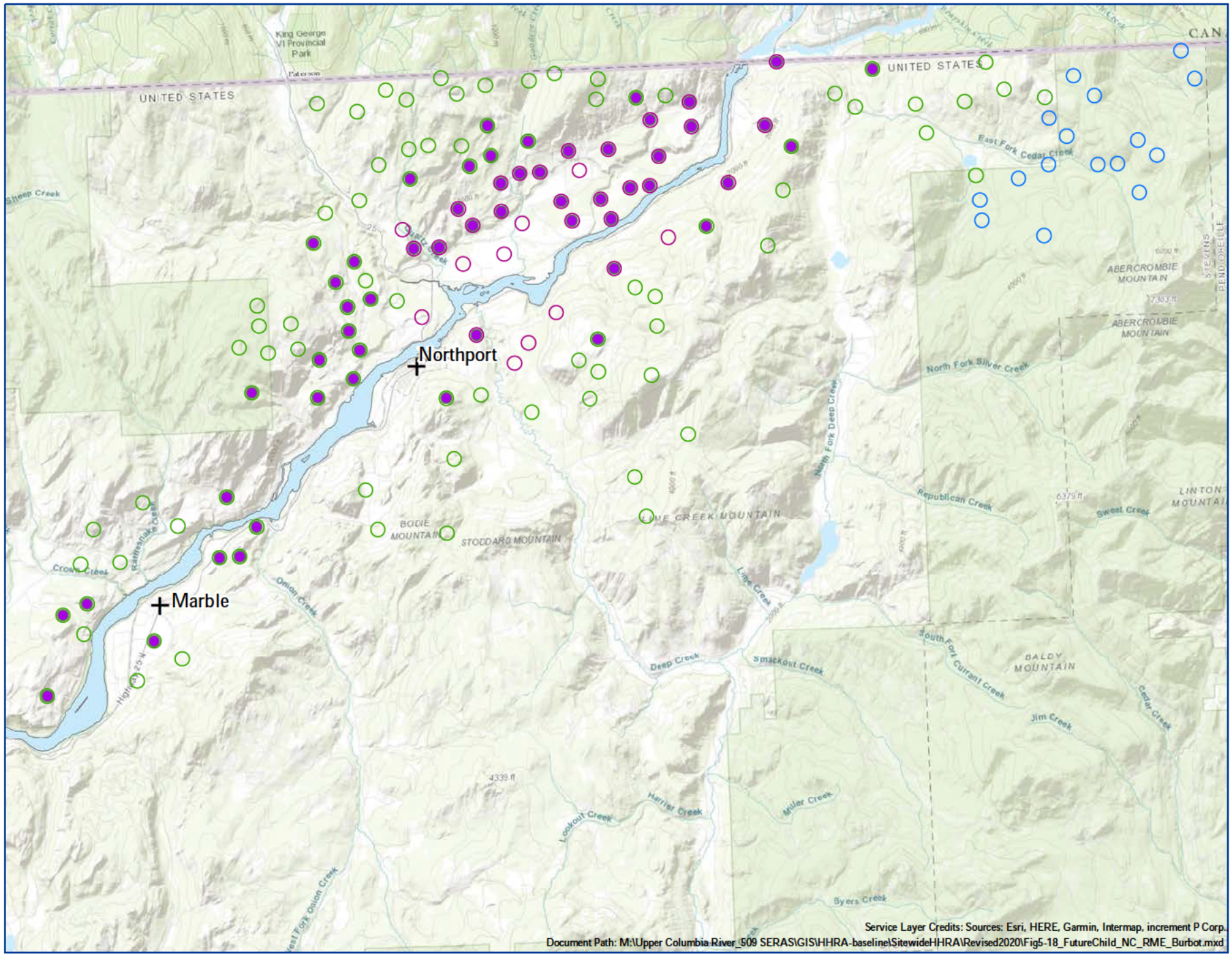


Figure 5-18. Non-Cancer Target Organ HIs > 1 for the RME Future Child Resident Population that Consumes Burbot



Skin/Hair/Nails System HI>1 (burbot consumed)

ADAs Sampled During the 2014 Upland Soil Study

- Area of Interest (AOI)
- High Density AOI
- Reserve AOI

Note:
HI > 1 for all ADAs for the Developmental and Nervous Systems

Figure 5-19. Non-Cancer Target Organ HIs > 1 for the RME Future Child Resident Population that Consumes Kokanee

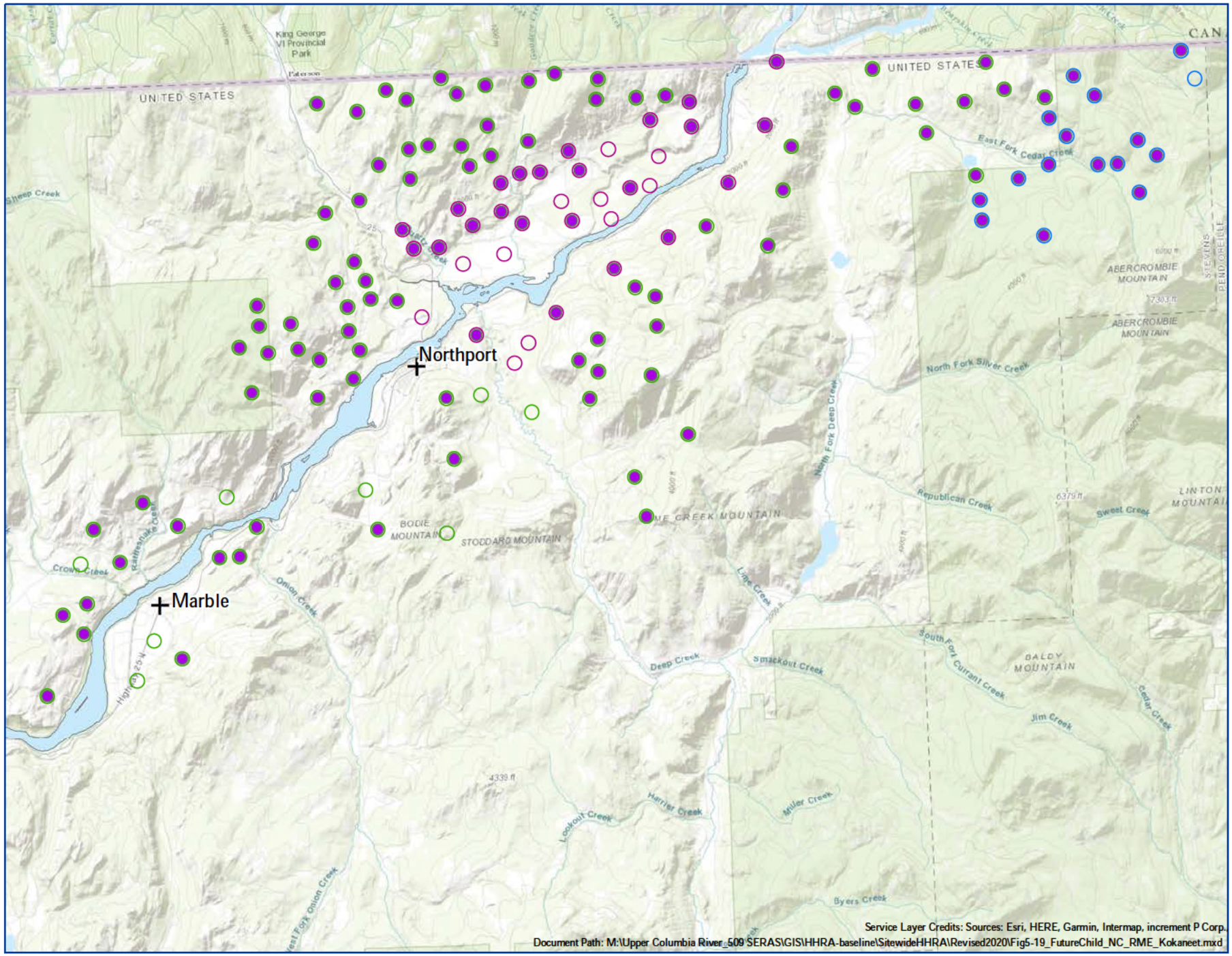
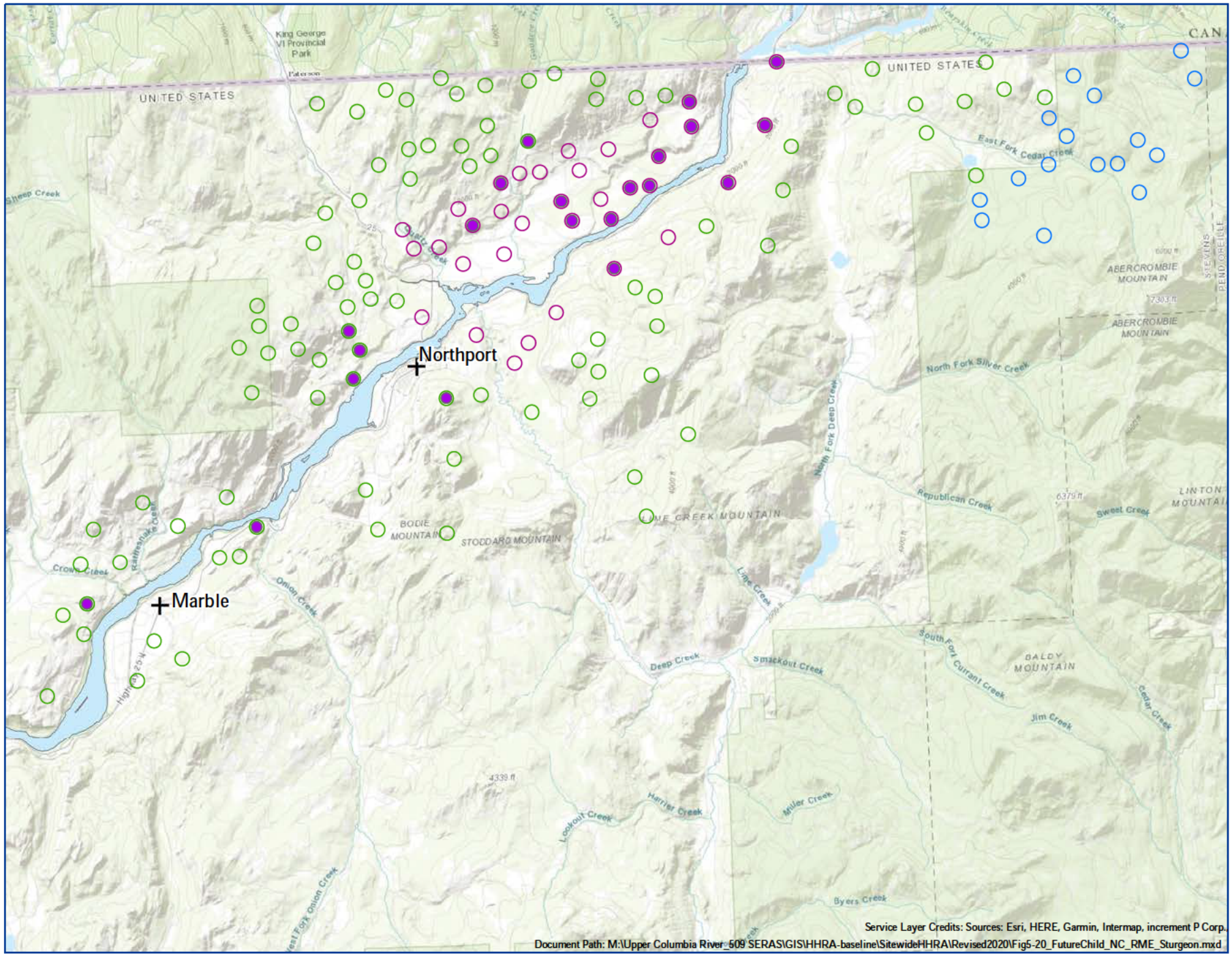


Figure 5-20. Non-Cancer Target Organ HIs > 1 for the RME Future Child Resident Population that Consumes Sturgeon



Skin/Hair/ Nails System HI>1 (sturgeon consumed)

ADAs Sampled During the 2014 Upland Soil Study

- Area of Interest (AOI)
- High Density AOI
- Reserve AOI

Note:
HI > 1 for all ADAs for the Nervous System

Figure 5-21. Non-Cancer Target Organ HIs > 1 for the RME Future Child Resident Population that Consumes Walleye

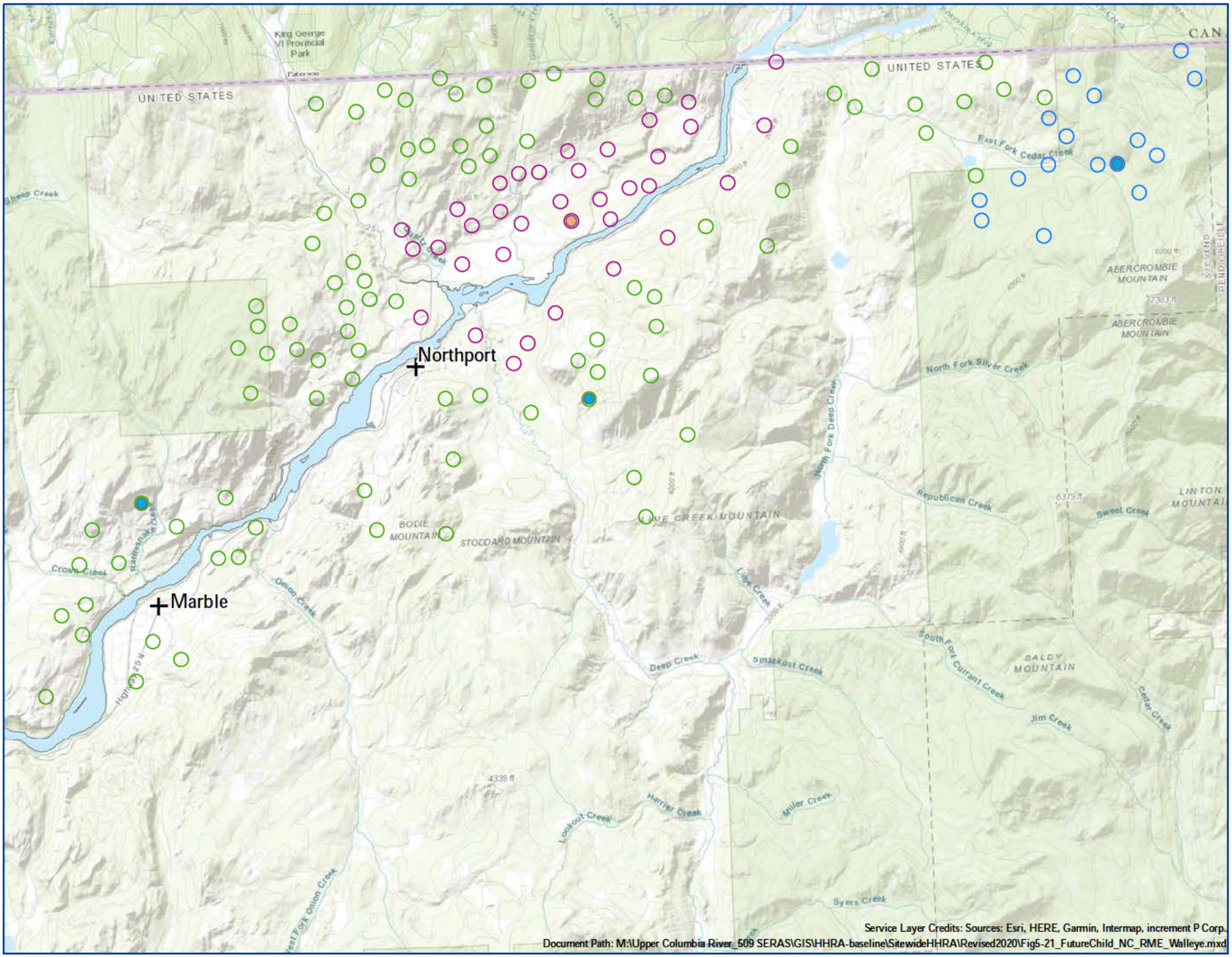


Figure 5-22. Non-Cancer Target Organ HIs > 1 for the CTE Future Child Resident Population

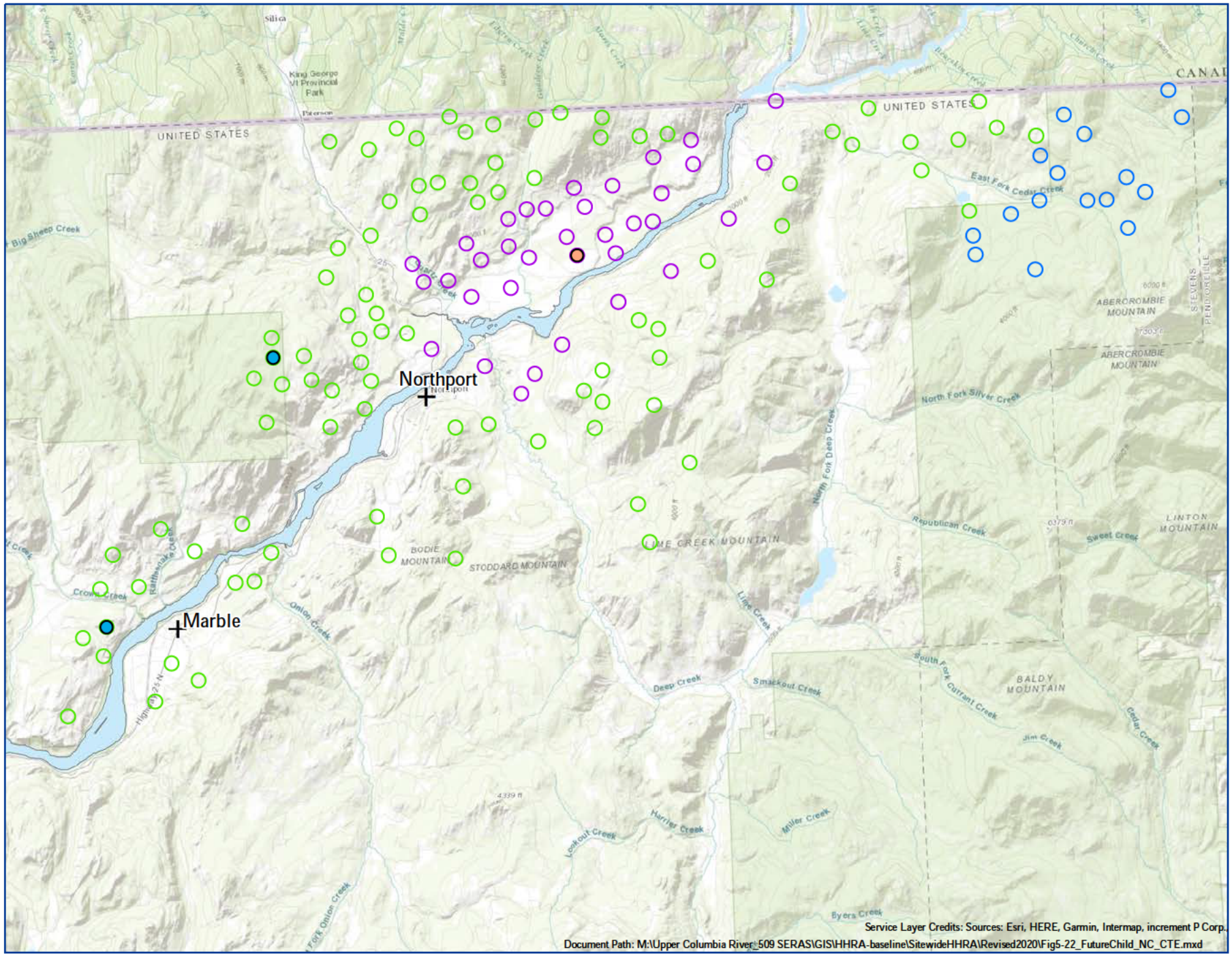


Figure 6-1. Stream Sediment and Soil Samples Collected by NURE in the Columbia River Drainage Basin

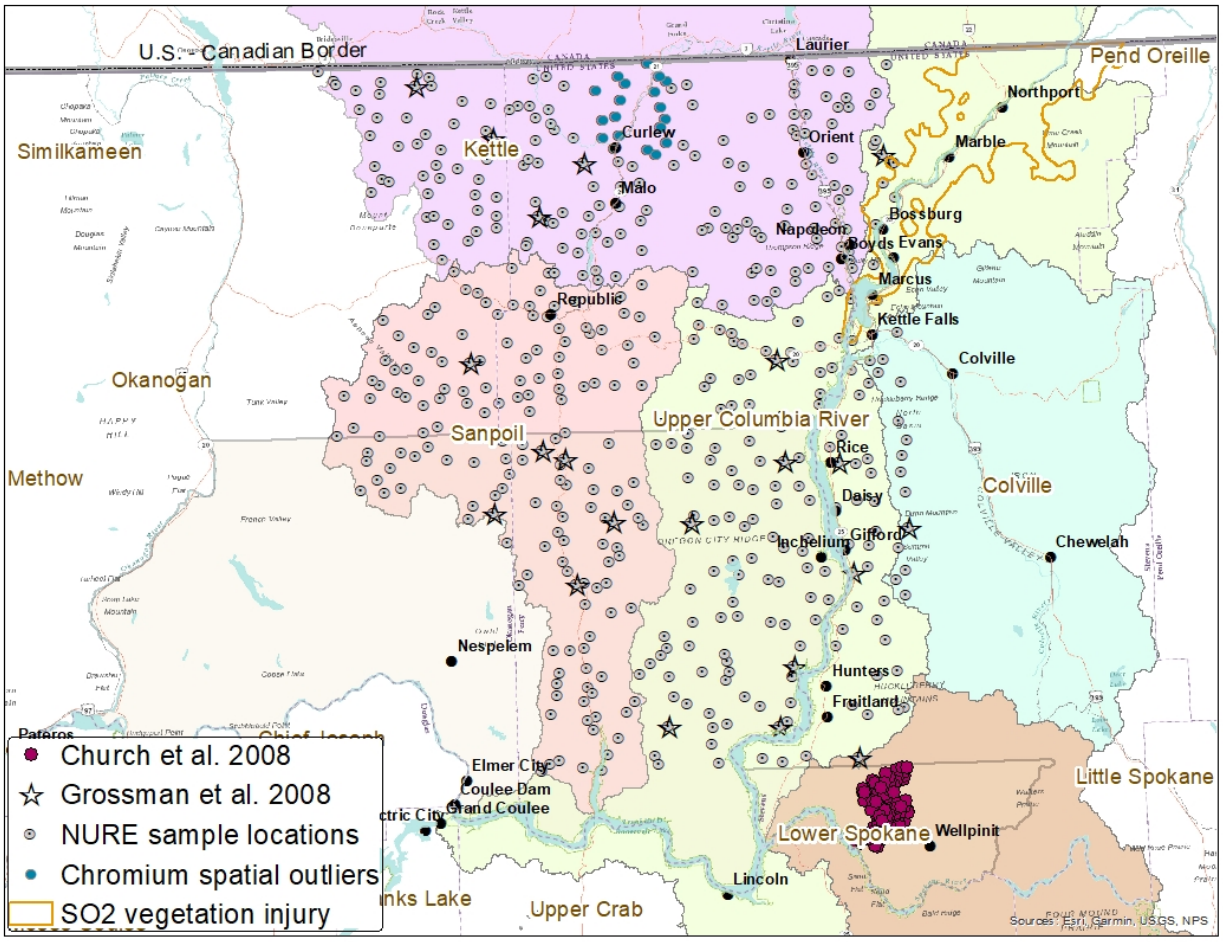
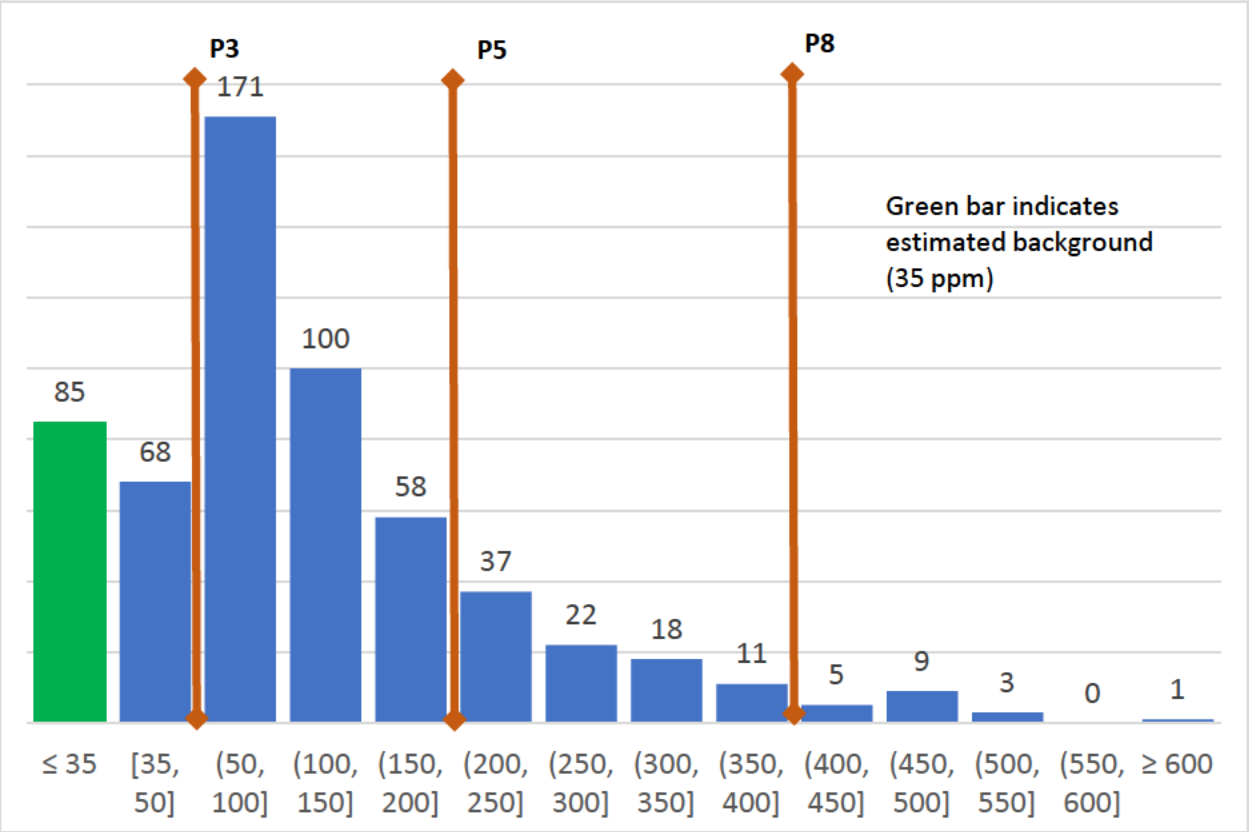
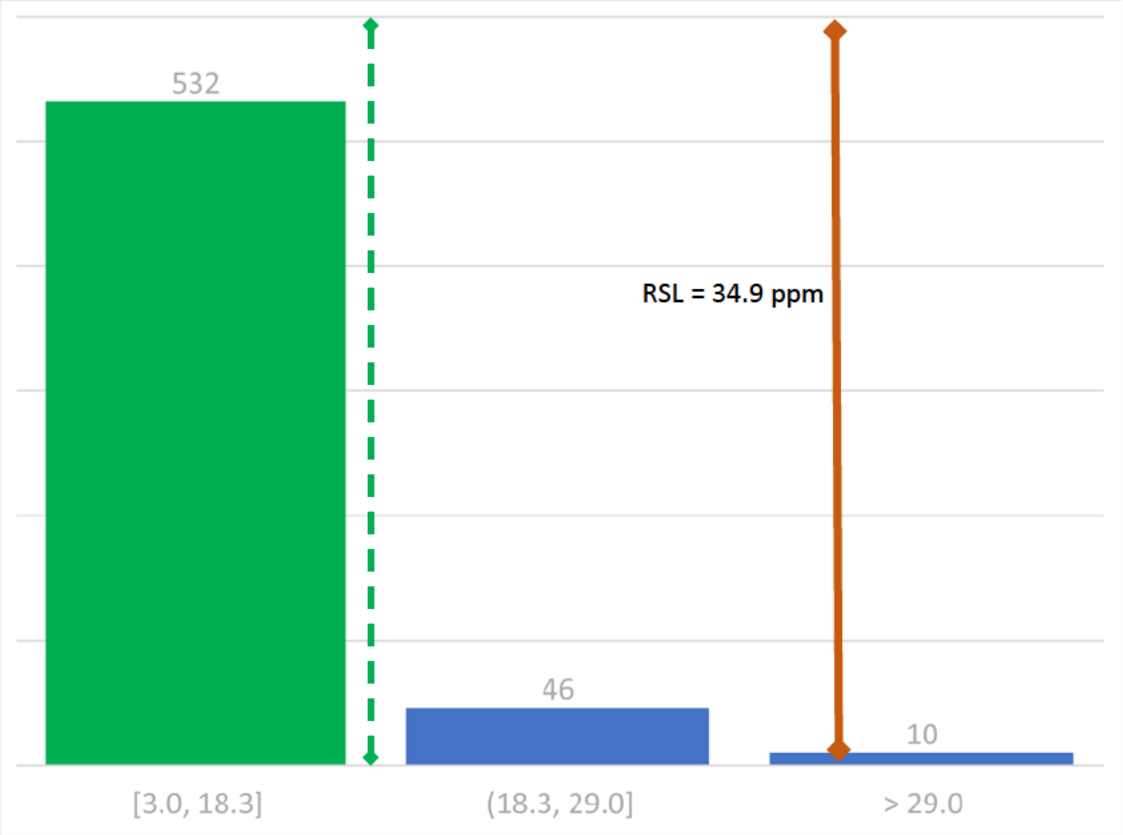


Figure 6-2. Comparison of Lead Concentrations Measured in Site Residential Soil to Lead Risk Benchmarks and Estimated Background used in this HHRA.



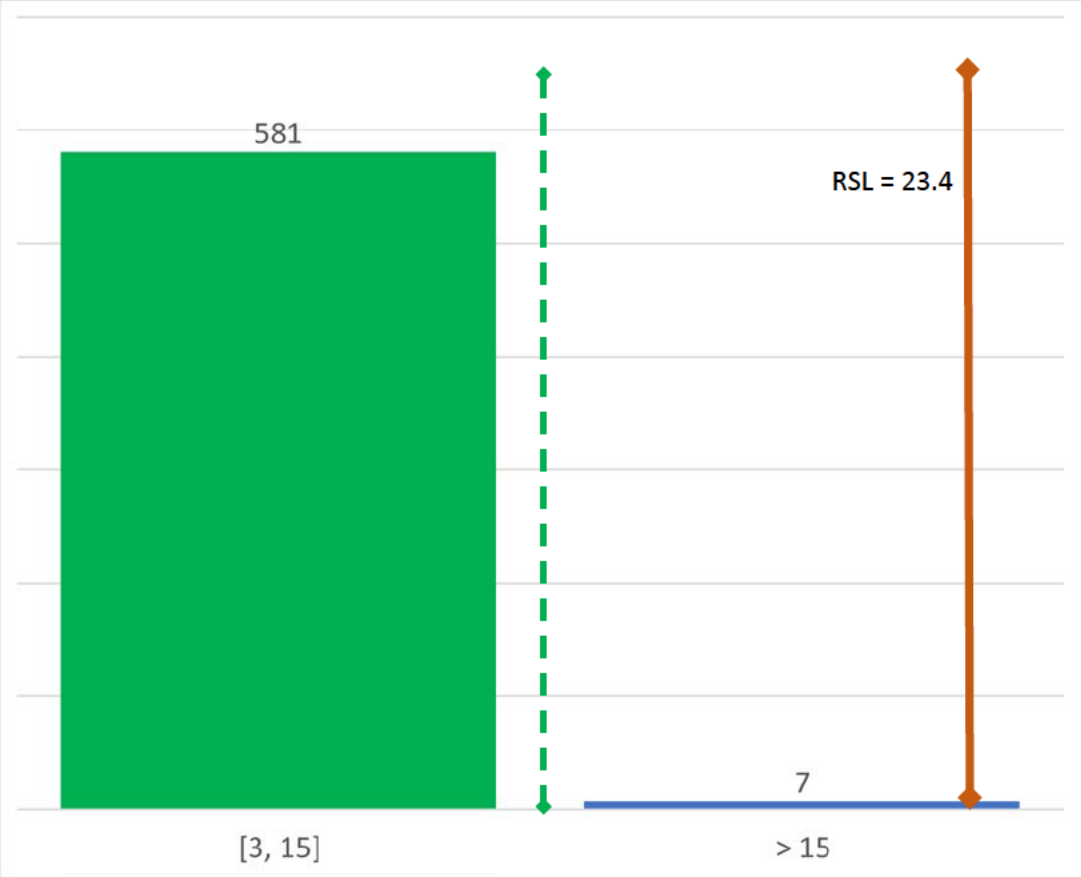
Ranges of concentration ('bins') are shown on the x-axis. The number of DUs in each of the bins appears at the top of each bar. With the exception of the first and last bins, each bin includes the concentration at the lower limit and excludes the concentration at the upper limit. For example, the bin labeled '(400-450]' includes DUs with lead concentrations equal to 400 but does not include DUs with lead concentrations equal to 450 ppm. The orange vertical lines are located at soil lead concentrations that correspond to the IEUBK model's prediction of a probability of 5% or more that a child's blood lead concentration would equal or exceed 3 µg/dL (***P3***), 5 µg/dL (***P5***) and 8 µg/dL (***P8***). See Section 3.4.1 for more details on the IEUBK model.

Figure 6-3. Comparison of Arsenic Concentrations Measured in Site Residential Soil to Site-specific Background Data



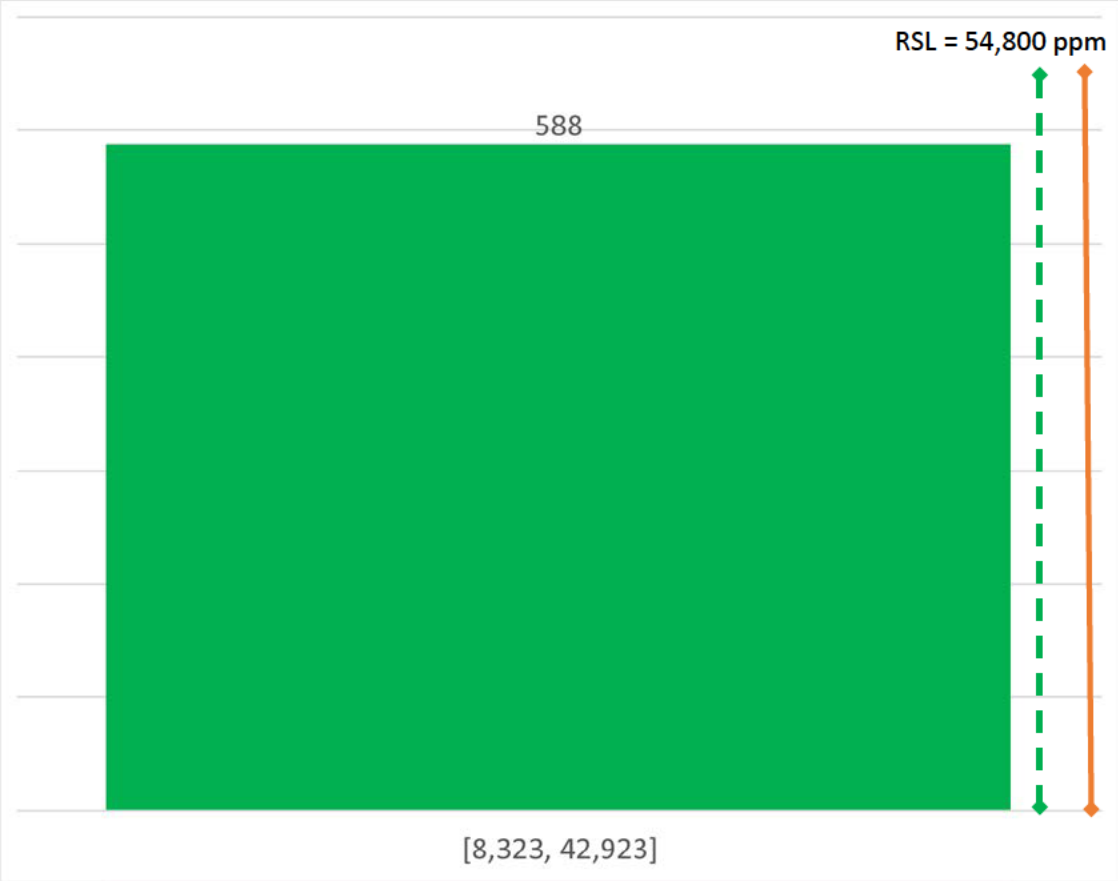
Ranges of concentration ('bins') are shown on the x-axis. The number of DUs in each of the bins appears at the top of each bar. With the exception of the first and last bins, each bin includes the concentration at the lower limit and excludes the concentration at the upper limit. For example, the bin labeled '(18.3, 29.0]' includes DUs with arsenic concentrations equal to 18.3 but does not include DUs with arsenic concentrations equal to 29.0 ppm. The green dashed vertical line is located at the estimated background concentration of arsenic in soil (18.3 ppm). The orange vertical line is located at the estimated Residential Screening Level (RSL). See Appendix 4 for more details on the estimation of background concentration.

Figure 6-4. Comparison of Cobalt Concentrations Measured in Site Residential Soil to Site-specific Background Data



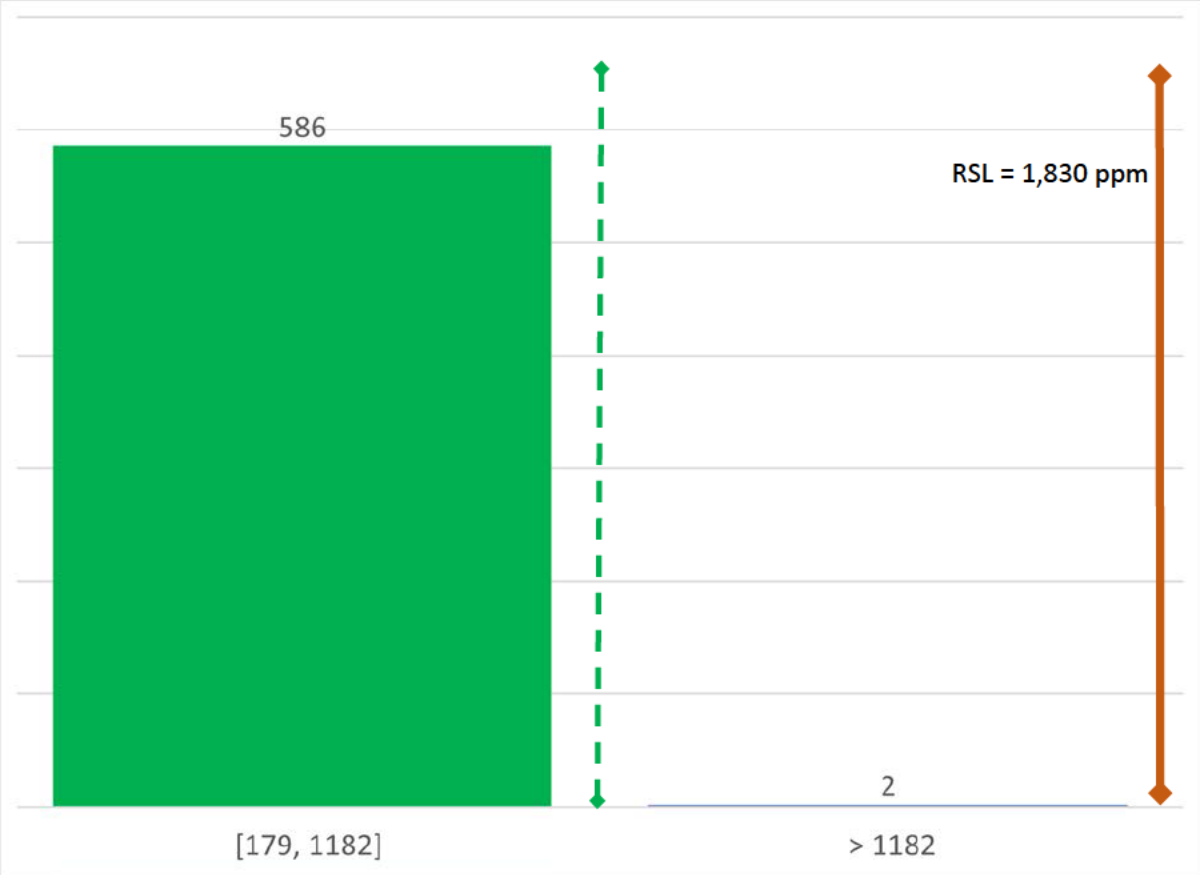
Ranges of concentration ('bins') are shown on the x-axis. The number of DUs in each of the bins appears at the top of each bar. Each bin includes the concentration at the lower limit and excludes the concentration at the upper limit. For example, the bin labeled '(3, 15]' includes DUs with cobalt concentrations equal to 3 but does not include DUs with cobalt concentrations equal to 15 ppm. The green dashed vertical line is located at the estimated background concentration of cobalt in soil (15 ppm). The orange vertical line is located at the estimated Residential Screening Level (RSL). See Appendix 4 for more details on the estimation of background concentration.

Figure 6-5. Comparison of Iron Concentrations Measured in Site Residential Soil to Site-specific Background Data



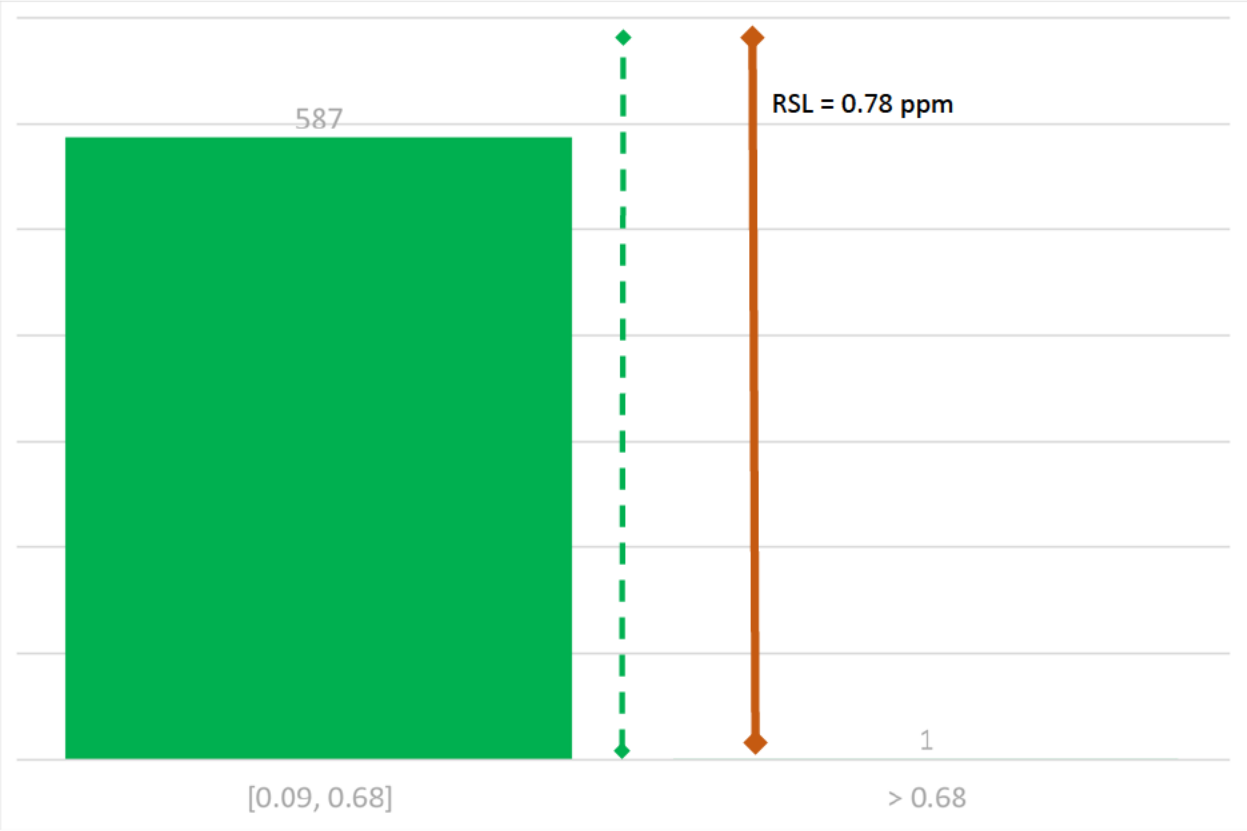
Ranges of concentration ('bins') are shown on the x-axis. The number of DUs in the bin appears at the top of each bar. The bin includes the concentrations at the lower and upper limit. All of these data are below the background concentration of iron (51,690 ppm), represented by the green dotted vertical line, and the estimated Residential Screening Level (RSL), represented by the orange vertical line. See Appendix 4 for more details on the estimation of background concentration.

Figure 6-6. Comparison of Manganese Concentrations Measured in Site Residential Soil to Site-specific Background Data



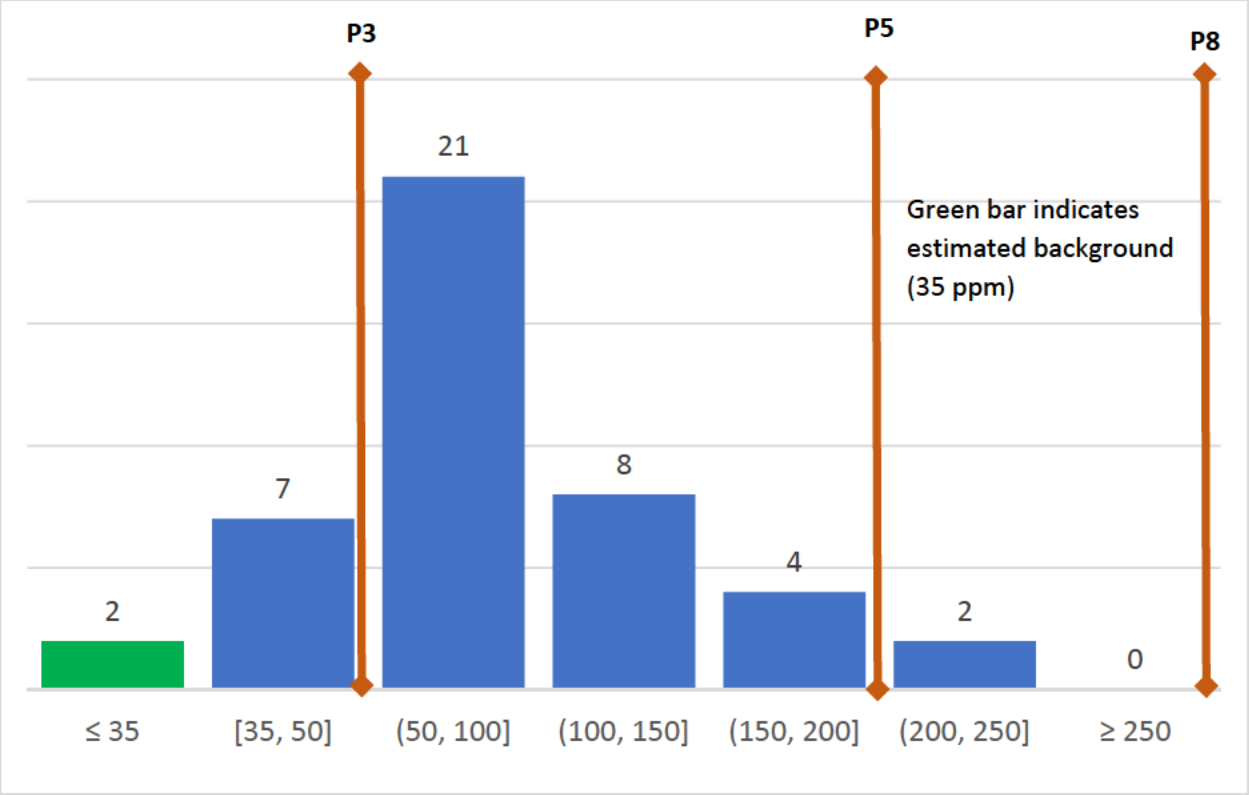
Ranges of concentration ('bins') are shown on the x-axis. The number of DUs in each of the bins appears at the top of each bar. Each bin includes the concentration at the lower limit and excludes the concentration at the upper limit. The green dashed vertical line is located at the estimated background concentration of manganese in soil (1,182 ppm). The orange vertical line is located at the estimated Residential Screening Level (RSL). See Appendix 4 for more details on the estimation of background concentration.

Figure 6-7. Comparison of Thallium Concentrations Measured in Site Residential Soil to Site-specific Background Data



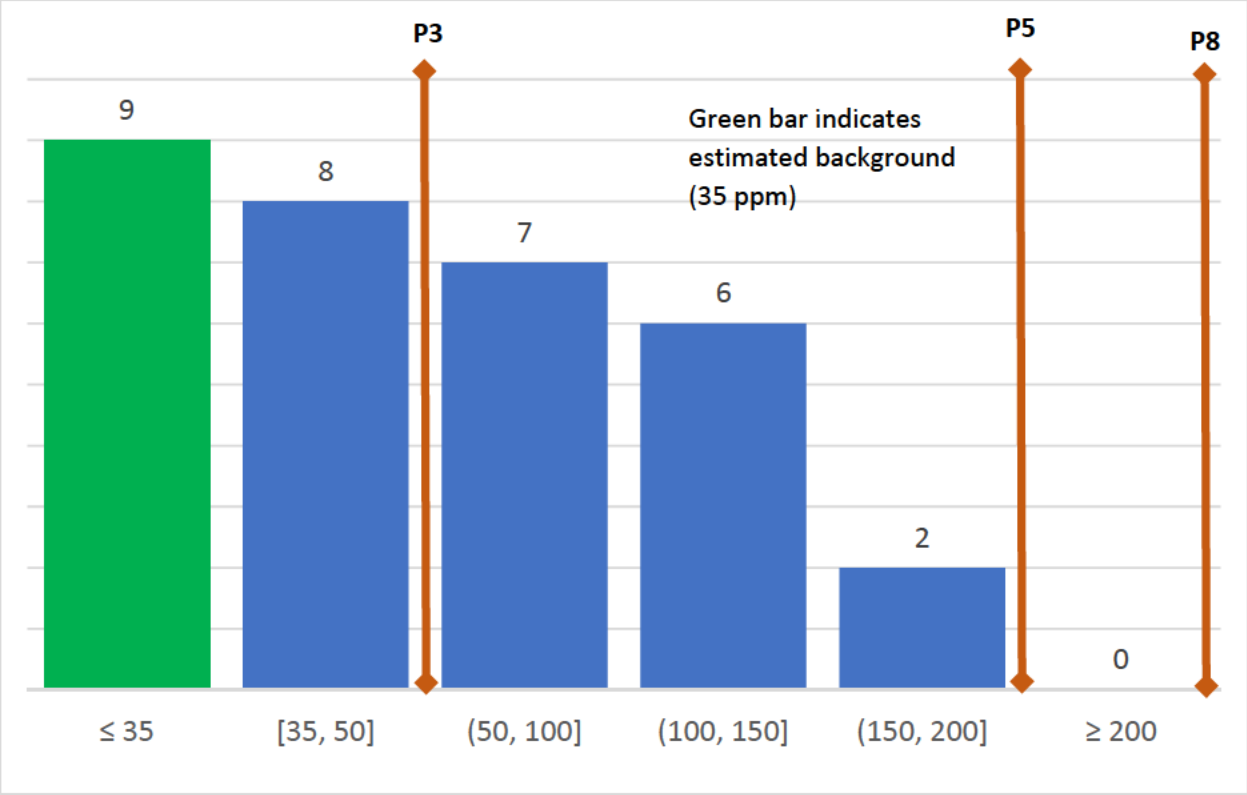
Ranges of concentration ('bins') are shown on the x-axis. The number of DUs in each of the bins appears at the top of each bar. Each bin includes the concentration at the lower limit and the concentration at the upper limit. For example, the bin labeled '(0.09, 0.68]' includes DUs with thallium concentrations between 0.09 and 0.68 ppm. The green dashed vertical line is located at the estimated background concentration of thallium in soil (0.68 ppm). The orange vertical line is located at the estimated Residential Screening Level (RSL). See Appendix 4 for more details on the estimation of background concentration.

Figure 6-8. Comparison of Lead Concentrations Measured in Agricultural Soil DUs to Lead Risk Benchmarks and Estimated Background used in this HHRA.



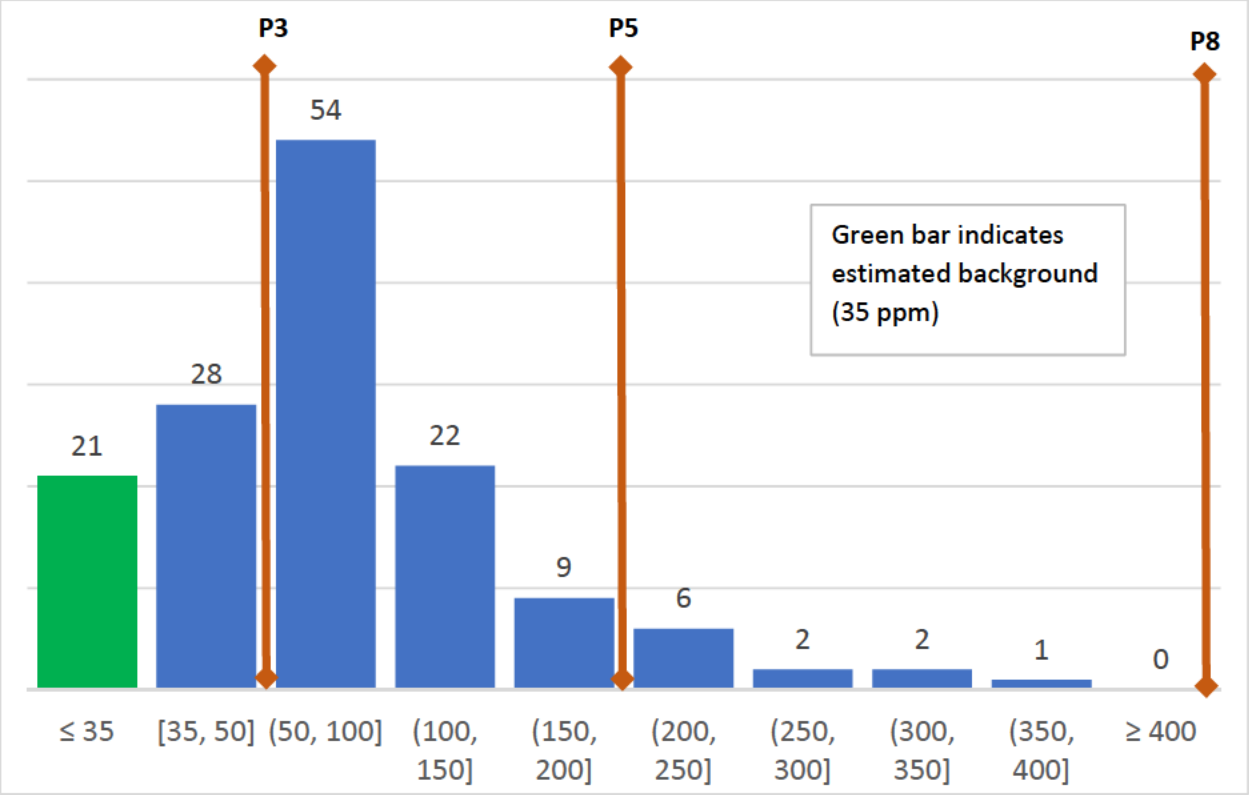
Ranges of concentration ('bins') are shown on the x-axis. The number of DUs in each of the bins appears at the top of each bar. With the exception of the first and last bins, each bin includes the concentration at the lower limit and excludes the concentration at the upper limit. For example, the bin labeled '(50, 100]' includes DUs with lead concentrations equal to 50 but does not include DUs with lead concentrations equal to 100 ppm. The orange vertical lines are located at soil lead concentrations that correspond to the IEUBK model's prediction of a probability of 5% or more that a child's blood lead concentration would equal or exceed 3 µg/dL (***P3***), 5 µg/dL (***P5***) and 8 µg/dL (***P8***). See section 3.4.1 for more details on the IEUBK model.

Figure 6-9. Comparison of Lead Concentrations Measured in Animal Activity Area Soil DUs to Lead Risk Benchmarks and Estimated Background used in this HHRA.



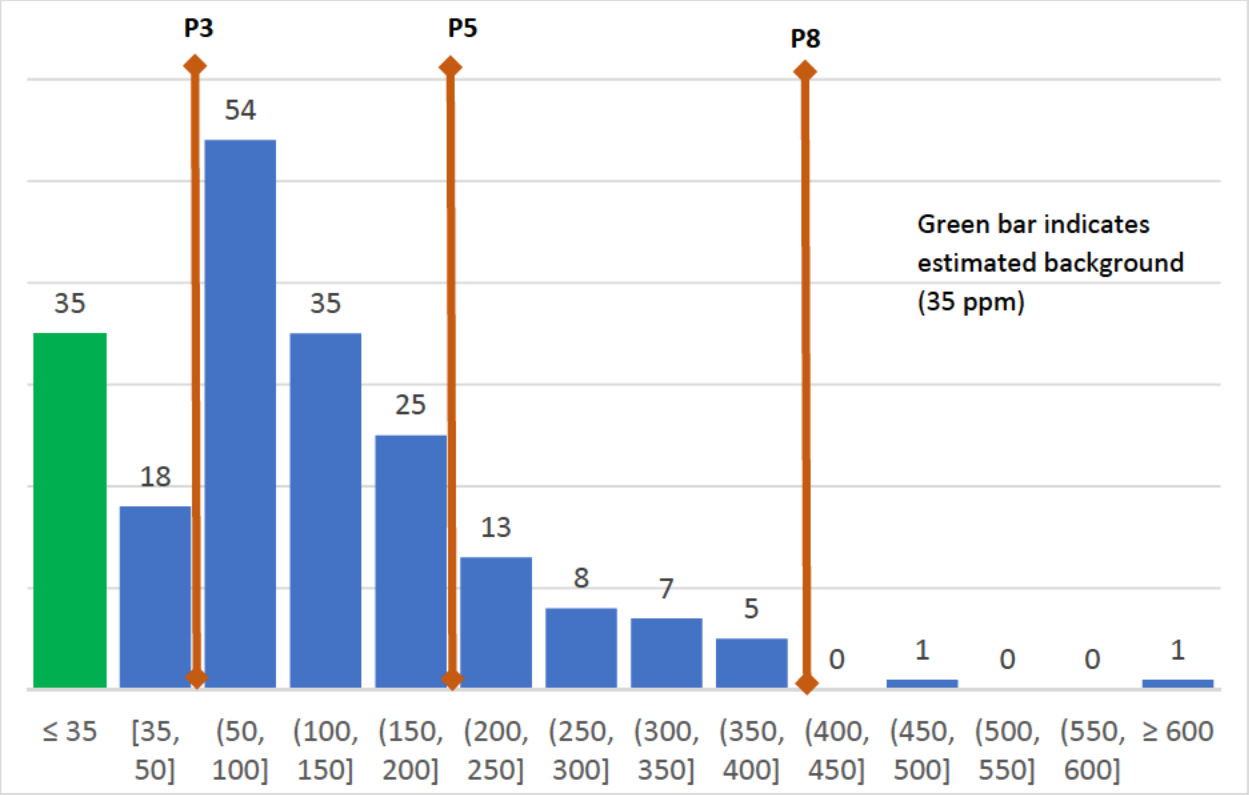
Ranges of concentration ('bins') are shown on the x-axis. The number of DUs in each of the bins appears at the top of each bar. With the exception of the first and last bins, each bin includes the concentration at the lower limit and excludes the concentration at the upper limit. For example, the bin labeled '(50, 100]' includes DUs with lead concentrations equal to 50 but does not include DUs with lead concentrations equal to 100 ppm. The orange vertical lines are located at soil lead concentrations that correspond to the IEUBK model's prediction of a probability of 5% or more that a child's blood lead concentration would equal or exceed 3 µg/dL (***P3***), 5 µg/dL (***P5***) and 8 µg/dL (***P8***). See section 3.4.1 for more details on the IEUBK model.

Figure 6-10. Comparison of Lead Concentrations Measured in Garden Soil DUs to Lead Risk Benchmarks and Estimated Background used in this HHRA.



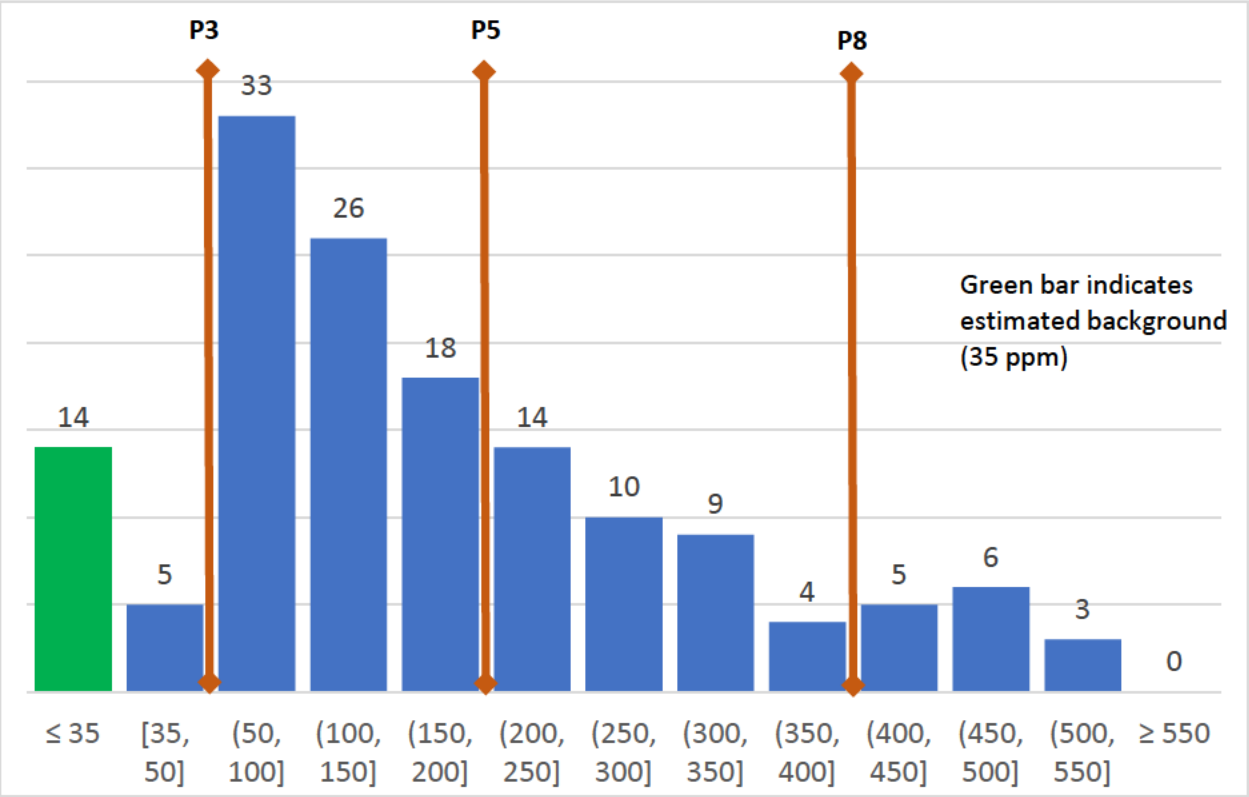
Ranges of concentration ('bins') are shown on the x-axis. The number of DUs in each of the bins appears at the top of each bar. With the exception of the first and last bins, each bin includes the concentration at the lower limit and excludes the concentration at the upper limit. For example, the bin labeled '(50, 100]' includes DUs with lead concentrations equal to 50 but does not include DUs with lead concentrations equal to 100 ppm. The orange vertical lines are located at soil lead concentrations that correspond to the IEUBK model's prediction of a probability of 5% or more that a child's blood lead concentration would equal or exceed 3 µg/dL (***P3***), 5 µg/dL (***P5***) and 8 µg/dL (***P8***). See section 3.4.1 for more details on the IEUBK model.

Figure 6-11. Comparison of Lead Concentrations Measured in House Soil DUs to Lead Risk Benchmarks and Estimated Background used in this HHRA.



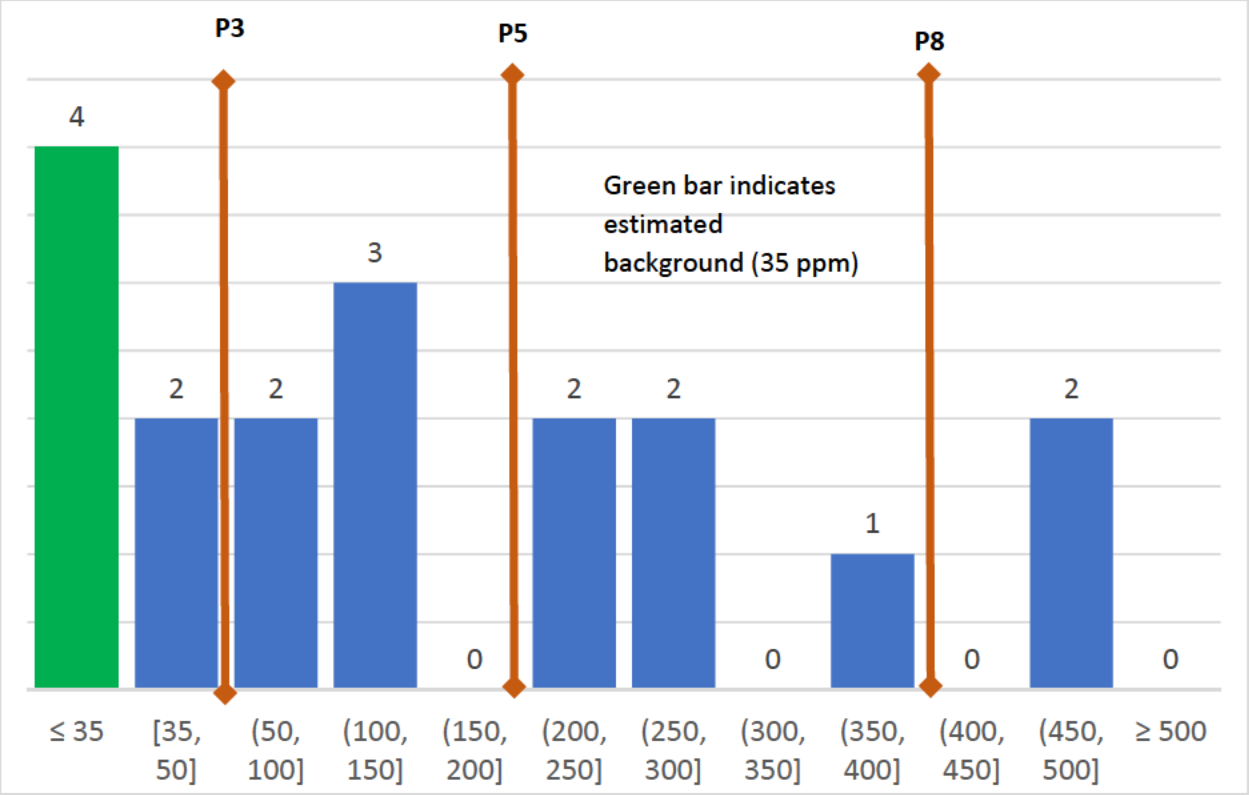
Ranges of concentration ('bins') are shown on the x-axis. The number of DUs in each of the bins appears at the top of each bar. With the exception of the first and last bins, each bin includes the concentration at the lower limit and excludes the concentration at the upper limit. For example, the bin labeled '(50, 100]' includes DUs with lead concentrations equal to 50 but does not include DUs with lead concentrations equal to 100 ppm. The orange vertical lines are located at soil lead concentrations that correspond to the IEUBK model's prediction of a probability of 5% or more that a child's blood lead concentration would equal or exceed 3 µg/dL (***P3***), 5 µg/dL (***P5***) and 8 µg/dL (***P8***). See section 3.4.1 for more details on the IEUBK model.

Figure 6-12. Comparison of Lead Concentrations Measured in Other Not Specified Soil DUs to Lead Risk Benchmarks and Estimated Background used in this HHRA.



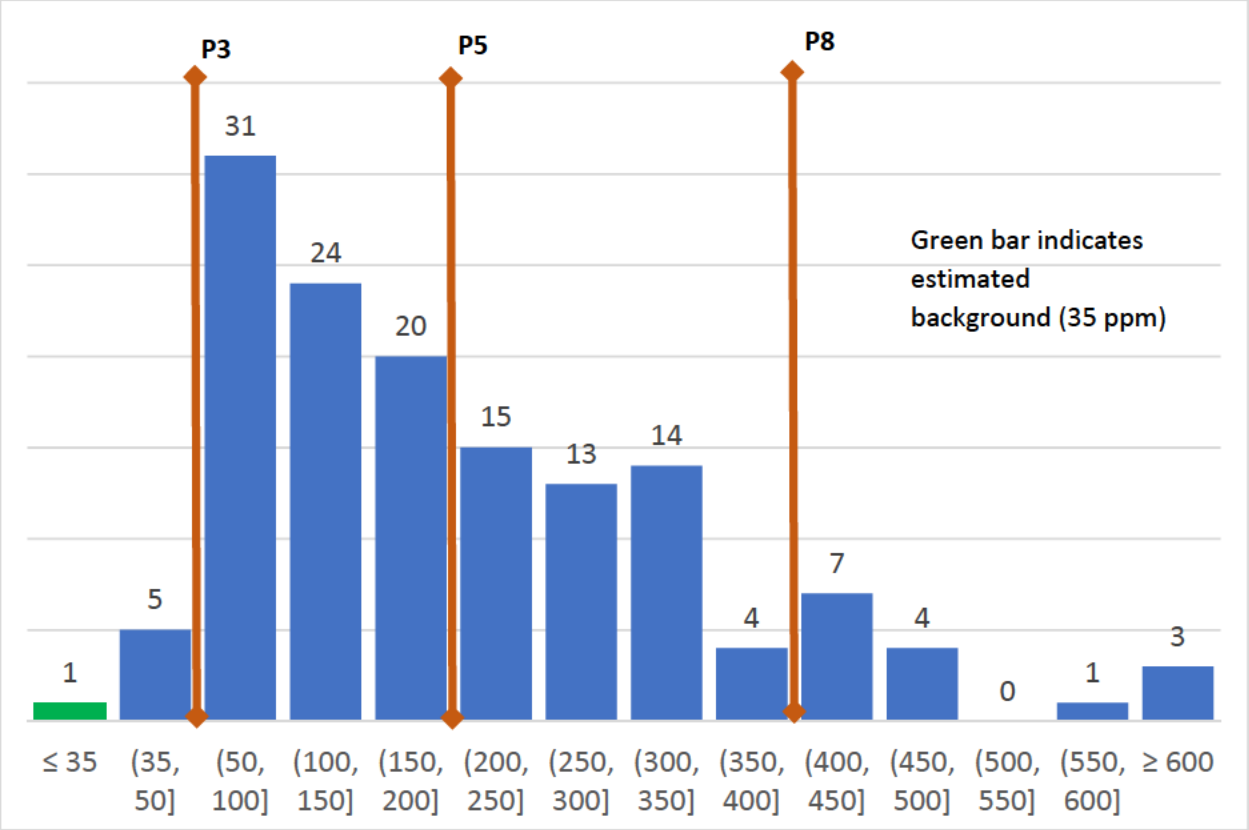
Ranges of concentration ('bins') are shown on the x-axis. The number of DUs in each of the bins appears at the top of each bar. With the exception of the first and last bins, each bin includes the concentration at the lower limit and excludes the concentration at the upper limit. For example, the bin labeled '(50-100]' includes DUs with lead concentrations equal to 50 but does not include DUs with lead concentrations equal to 100 ppm. The orange vertical lines are located at soil lead concentrations that correspond to the IEUBK model's prediction of a probability of 5% or more that a child's blood lead concentration would equal or exceed 3 µg/dL (***P3***), 5 µg/dL (***P5***) and 8 µg/dL (***P8***). See Section 3.4.1 for more details on the IEUBK model.

Figure 6-13. Comparison of Lead Concentrations Measured in Play Area Soil DUs to Lead Risk Benchmarks and Estimated Background used in this HHRA.



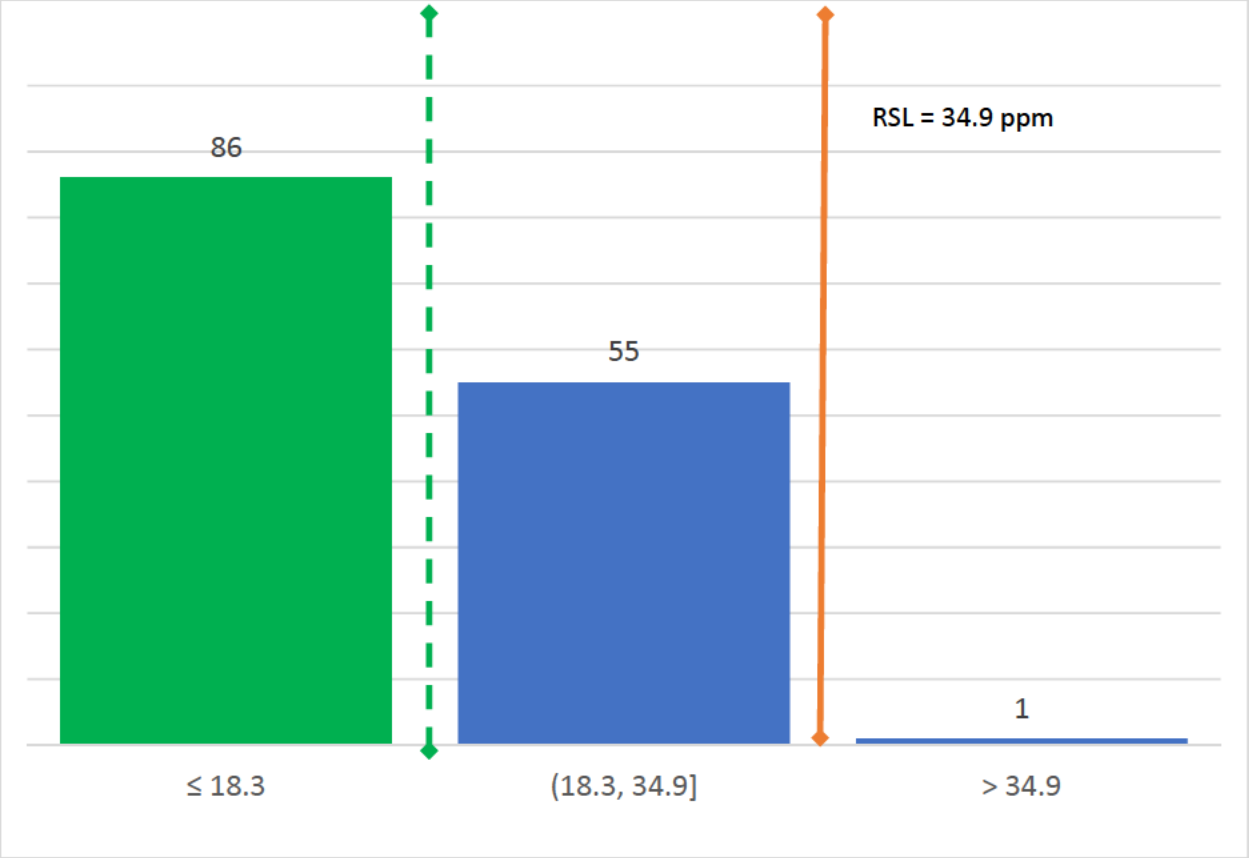
Ranges of concentration ('bins') are shown on the x-axis. The number of DUs in each of the bins appears at the top of each bar. With the exception of the first and last bins, each bin includes the concentration at the lower limit and excludes the concentration at the upper limit. For example, the bin labeled '(50, 100]' includes DUs with lead concentrations equal to 50 but does not include DUs with lead concentrations equal to 100 ppm. The orange vertical lines are located at soil lead concentrations that correspond to the IEUBK model's prediction of a probability of 5% or more that a child's blood lead concentration would equal or exceed 3 µg/dL (***P3***), 5 µg/dL (***P5***) and 8 µg/dL (***P8***). See section 3.4.1 for more details on the IEUBK model.

Figure 6-14. Comparison of Lead Concentrations Measured in Upland Soil ADAs to Lead Risk Benchmarks and Estimated Background used in this HHRA.



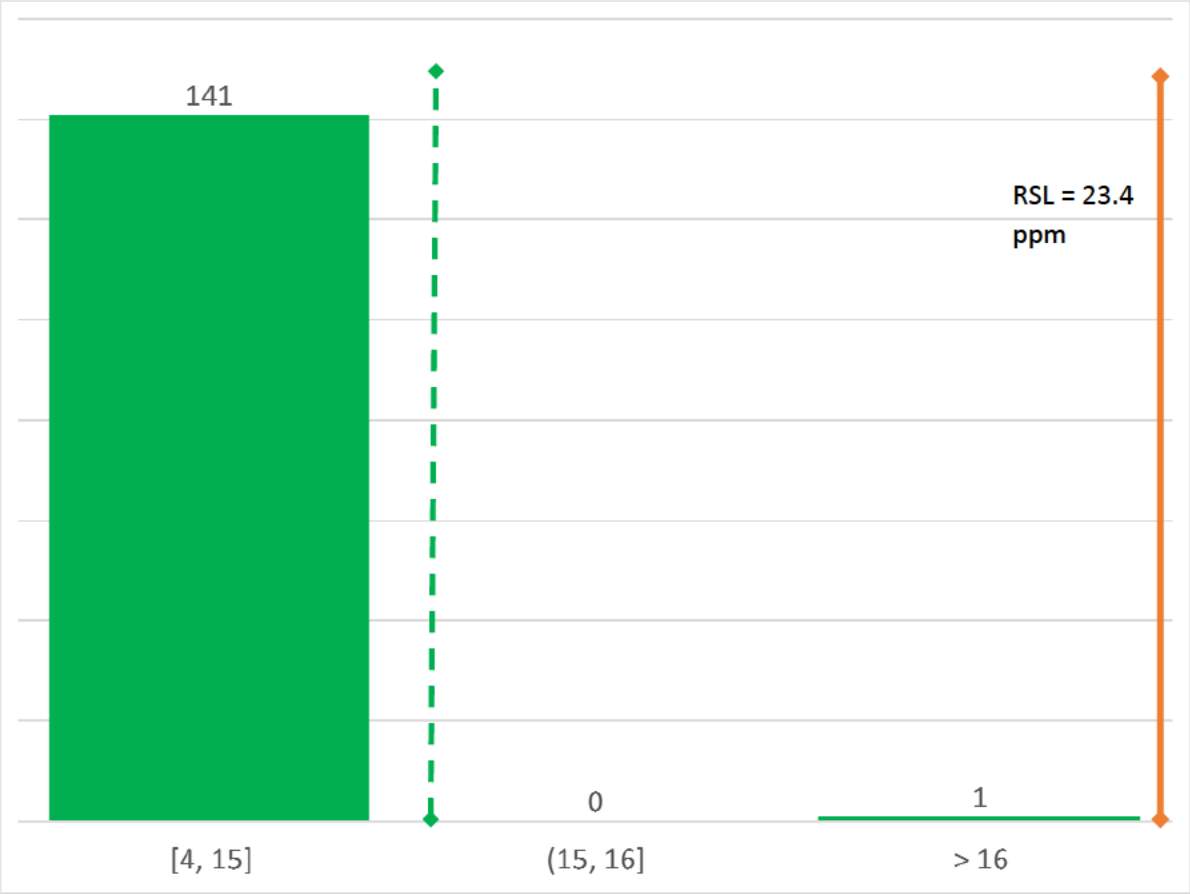
Ranges of concentration ('bins') are shown on the x-axis. The number of DUs in each of the bins appears at the top of each bar. With the exception of the first and last bins, each bin includes the concentration at the lower limit and excludes the concentration at the upper limit. For example, the bin labeled '(50, 100]' includes DUs with lead concentrations equal to 50 but does not include DUs with lead concentrations equal to 100 ppm. The orange vertical lines are located at soil lead concentrations that correspond to the IEUBK model's prediction of a probability of 5% or more that a child's blood lead concentration would equal or exceed 3 µg/dL (***P3***), 5 µg/dL (***P5***) and 8 µg/dL (***P8***). See section 3.4.1 for more details on the IEUBK model.

Figure 6-15. Comparison of Arsenic Concentrations Measured in Upland Soil to Site-specific Background Data



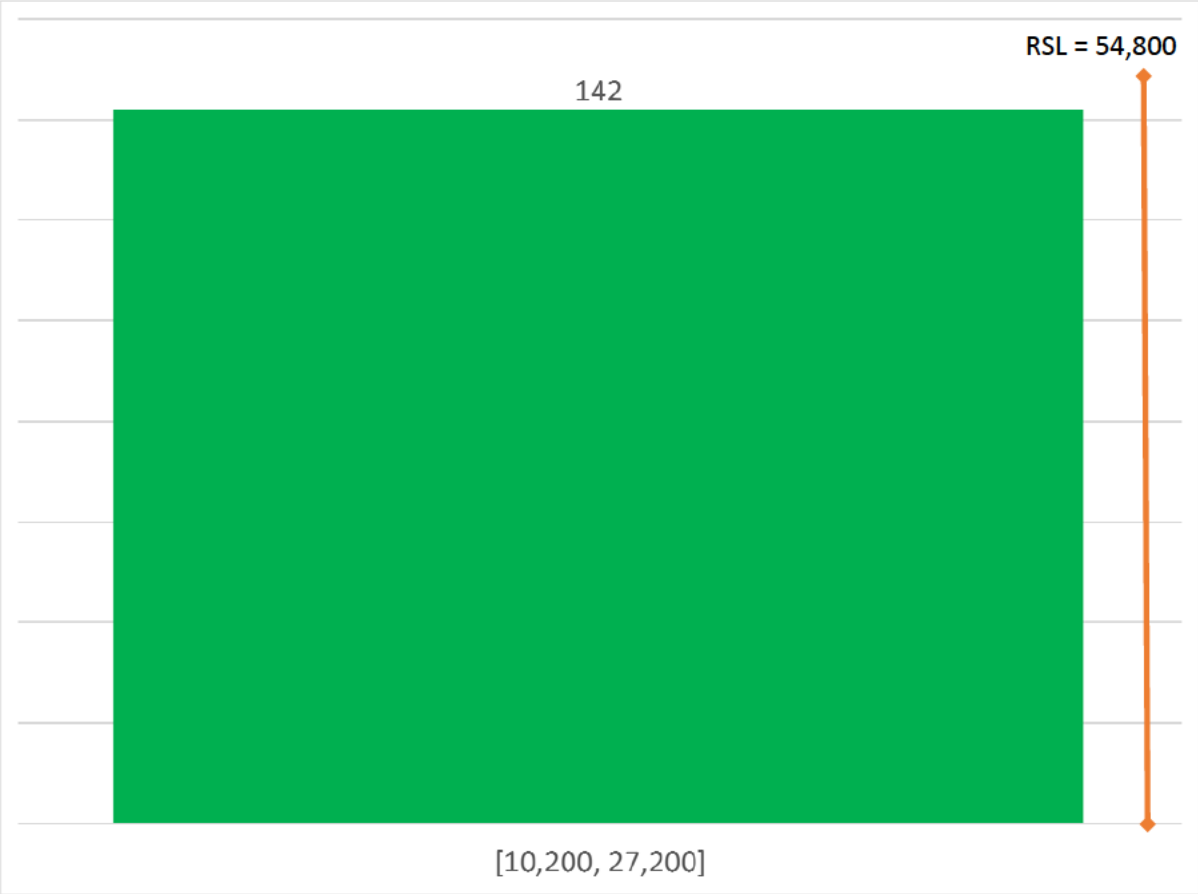
Ranges of concentration ('bins') are shown on the x-axis. The number of ADAs in each of the bins appears at the top of each bar. With the exception of the first and last bins, each bin includes the concentration at the lower limit and excludes the concentration at the upper limit. For example, the bin labeled '(18.3, 34.9]' includes ADAs with arsenic concentrations equal to 18.3 but does not include ADAs with arsenic concentrations equal to 34.9 ppm. The green dotted vertical line is located at the estimated background concentration of arsenic in soil (18.3 ppm). The orange vertical line is located at the estimated Residential Screening Level (RSL). See Appendix 4 for more details on the estimation of background concentration.

Figure 6-16. Comparison of Cobalt Concentrations Measured in Upland Soil to Site-specific Background Data



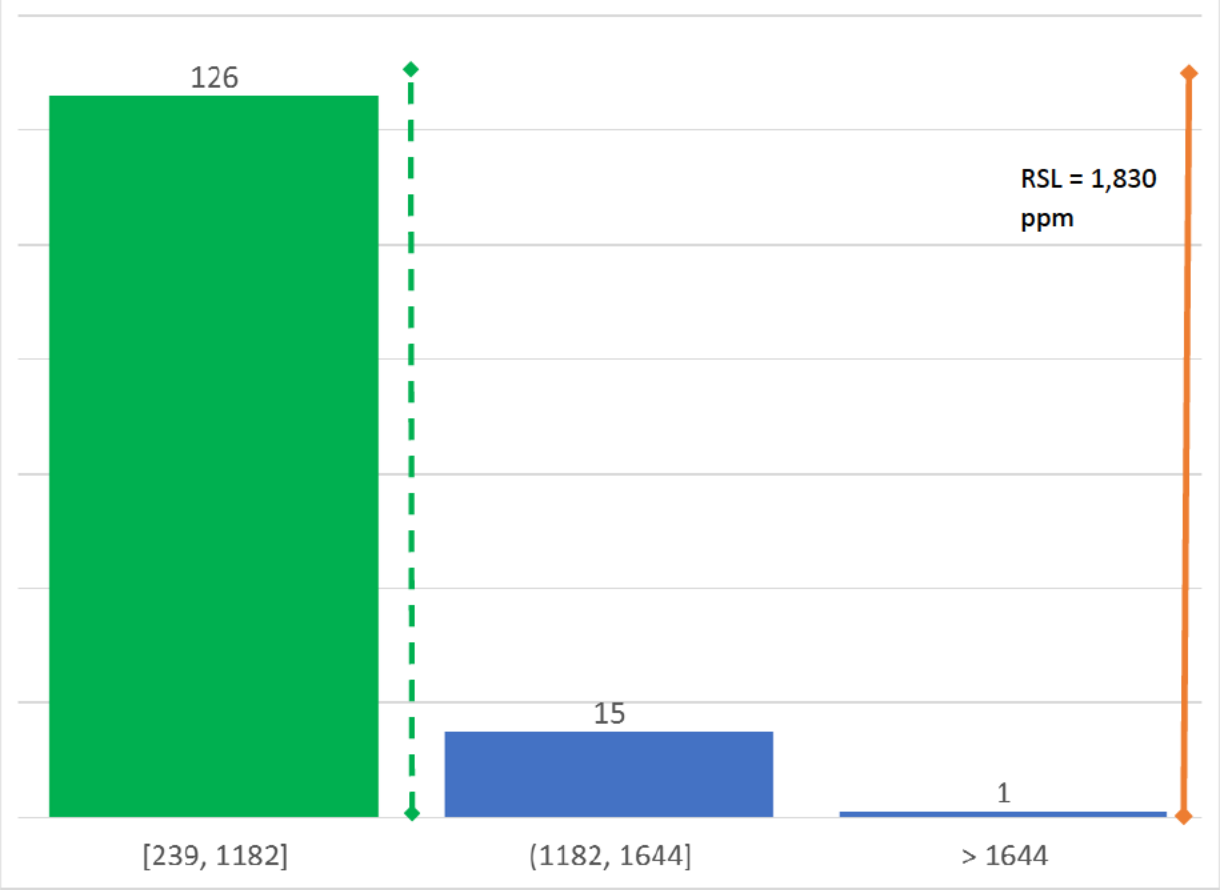
Ranges of concentration ('bins') are shown on the x-axis. The number of ADAs in each of the bins appears at the top of each bar. With the exception of the first and last bins, each bin includes the concentration at the lower limit and excludes the concentration at the upper limit. For example, the bin labeled '(15,16]' includes ADAs with cobalt concentrations equal to 15 but does not include ADAs with cobalt concentrations equal to 16 ppm. The green dotted vertical line is located at the estimated background concentration of cobalt in soil (15 ppm). The orange vertical line is located at the estimated Residential Screening Level (RSL). See Appendix 4 for more details on the estimation of background concentration.

Figure 6-17. Comparison of Iron Concentrations Measured in Site Upland Soil to Site-specific Background Data



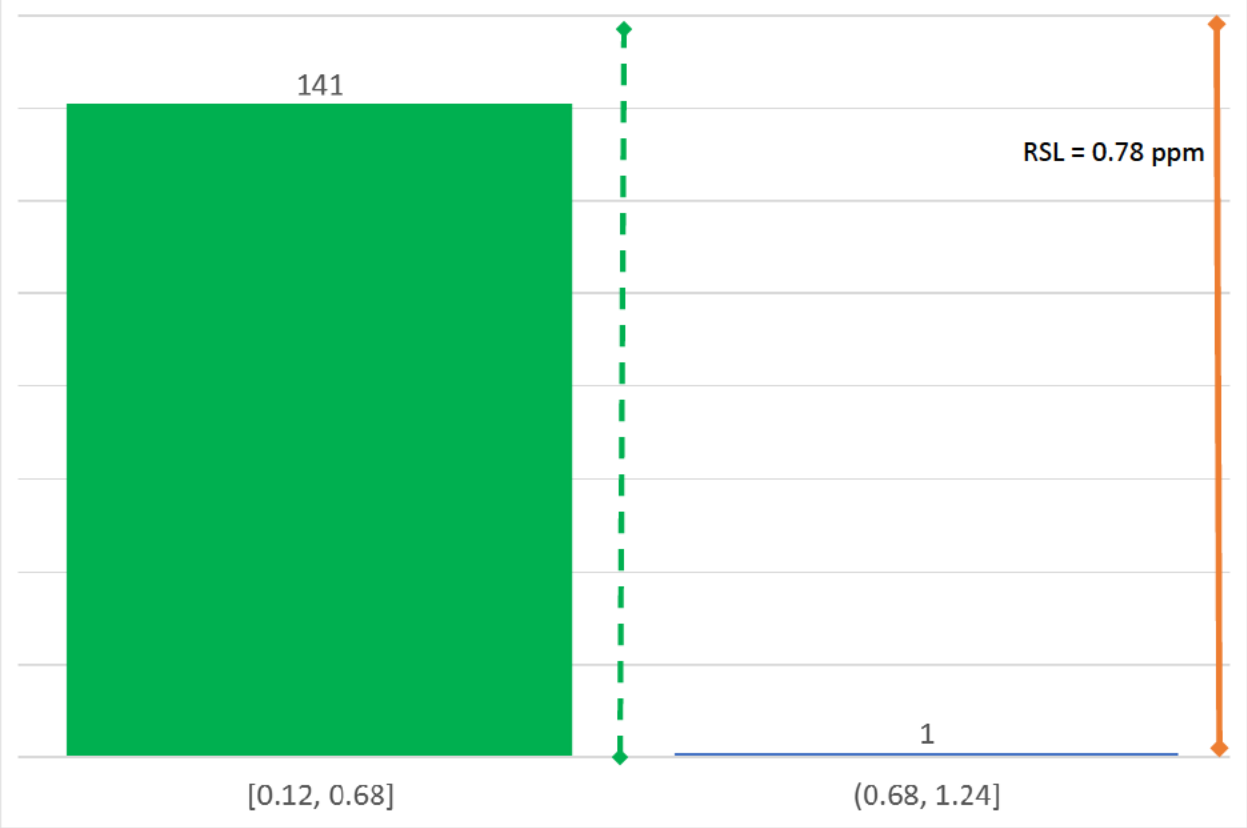
Ranges of concentration ('bins') are shown on the x-axis. The number of ADAs in each of the bins appears at the top of each bar. The bin includes the concentration at the lower limit and the concentration at the upper limit. All of these data are below the background concentration of iron (51,690 ppm). The orange vertical line is located at the estimated Residential Screening Level (RSL). See Appendix 4 for more details on the estimation of background concentration.

Figure 6-18. Comparison of Manganese Concentrations Measured in Site Upland Soil to Site-specific Background Data



Ranges of concentration ('bins') are shown on the x-axis. The number of ADAs in each of the bins appears at the top of each bar. With the exception of the first and last bins, each bin includes the concentration at the lower limit and excludes the concentration at the upper limit. For example, the bin labeled '(1182,1644]' includes ADAs with manganese concentrations equal to 1182 but does not include ADAs with manganese concentrations equal to 1644 ppm. The green dotted vertical line is located at the estimated background concentration of manganese in soil (1,182 ppm). The orange vertical line is located at the estimated Residential Screening Level (RSL). See Appendix 4 for more details on the estimation of background concentration.

Figure 6-19. Comparison of Thallium Concentrations Measured in Site Upland Soil to Site-specific Background Data



Ranges of concentration ('bins') are shown on the x-axis. The number of ADAs in each of the bins appears at the top of each bar. With the exception of the first and last bins, each bin includes the concentration at the lower limit and excludes the concentration at the upper limit. For example, the bin labeled '(0.68, 1.24]' includes ADAs with thallium concentrations equal to 0.68 but does not include ADAs with thallium concentrations equal to 1.24 ppm. The green dotted vertical line is located at the estimated background concentration of thallium in soil (0.68 ppm). The orange vertical line is located at the estimated Residential Screening Level (RSL). See Appendix 4 for more details on the estimation of background concentration.

Appendix 1. Upper Columbia River: Draft Site-Wide Human Health Risk Assessment (HHRA) for the Colville High Intensity Resource User (CHIRU) population

1 Introduction

The Upper Columbia River (UCR) Site ("the Site") is in the northeast portion of the State of Washington and includes approximately 150 river miles of the Columbia River, extending from the United States (U.S.) – Canada border south and west to the Grand Coulee Dam. A remedial investigation and feasibility study (RI/FS) is currently underway in response to concerns regarding historical discharges of hazardous substances into the Columbia River from smelting processes and facility operations by Teck Resources Limited ("Teck") and its affiliated predecessors at the Trail facility located in Trail, British Columbia (B.C.). In accordance with a Settlement Agreement signed by the U.S. and Teck American Incorporated (TAI; U.S. Environmental Protection Agency [EPA], 2006), TAI will complete the RI/FS and baseline ecological risk assessment (BERA), and EPA will complete the human health risk assessment (HHRA).

The purpose of the HHRA is to assess the potential risks to humans, both under current conditions and in the future, from exposure to Site-related contaminants present in environmental media associated with the UCR, assuming no steps are taken to remediate the environment or to reduce human contact with contaminated environmental media.[1] The results of the HHRA are intended to help inform risk managers and the public about potential human risks attributable to exposure to Site-related contaminants and to help determine if there is a need for action at the Site (EPA, 1989). The methods used to evaluate risks in this HHRA are consistent with current EPA guidelines for HHRA at Superfund sites (e.g., EPA, 1989, 1992, 2001, 2004a, 2004b, 2011, 2014).

The conceptual site model (CSM) for the UCR Site, as first defined in the HHRA Work Plan (SRC, 2009), identifies residential, recreational, occupational, and tribal populations as potential receptors exposed to Site-related contamination. Two Native American populations with reservations in the vicinity of the Site are the Confederated Tribes of the Colville Reservation (CCT) and the Spokane Tribe of Indians (STI). This appendix contains the HHRA for the Colville High Intensity Resource User (CHIRU) population. This population represents members of the Colville tribal community, including residents of the Colville Reservation and potential residents of tribal allotments along the UCR, who obtain some of their food by fishing, hunting, and gathering at the UCR Site, or who participate in traditional activities such as basket-weaving and sweat lodges. Calculations for the CHIRU population utilized exposure parameters derived from the Tribal Consumption and Resource Use Survey (Tribal Survey; Westat, Inc., 2012), which captured information from residents of the Colville Reservation, and recommendations of the Natural Resources Committee of the CCT (Water Quality Standards Act [WQSA], 2014). The HHRA for the STI is presented in Appendix 2 of the Site-wide HHRA.

[1] Subsequent to the collection of residential soil data (including tribal allotments) from the Site in 2014 and 2016, a Time Critical Removal Action (TCRA) and/or Voluntary Removal Action (VRA) was conducted on tribal allotment decision unit (DU) 412. This DU was included in this appendix using post-removal soil concentrations from 2015.

HHRAs typically contain the following sections: Introduction, Site Characterization, Exposure Assessment, Toxicity Assessment, Risk Characterization, Uncertainty Assessment, and Summary/Conclusion. Given that the CHIRU HHRA in this appendix is part of the broader HHRA for the UCR Site, only sections pertaining specifically to the CHIRU are included here for the sake of brevity. The Site Characterization, which includes descriptions of UCR Site history and usage, physical characteristics, and ecological resources, as well as summaries of all Site-related data collected to date, is presented in Section 2 of the Site-wide HHRA to which this document is appended and is not repeated here. Similarly, the Toxicity Assessment, which identifies potential adverse human health effects from a chemical and how those effects depend on exposure level (i.e., "dose-response"), as well as how toxic effects of a chemical depend on the route of exposure (oral, inhalation, dermal) and duration of exposure (subchronic, chronic, or lifetime), is presented in Section 4 of the Site-wide HHRA and is not repeated here. This appendix primarily focuses on the Exposure Assessment and Risk Characterization of the UCR HHRA for the CHIRU population and contains portions of the Uncertainty Analysis pertinent to tribal-specific risk assessment.

2 Exposure Assessment

Exposure is the process by which receptors (representing hypothetical populations)[2] contact chemicals in the environment. Receptors can be exposed to chemicals in soil, dust, sediment, water, air, or food, and these exposures can occur through several pathways: ingestion (intentional or incidental), dermal contact, and inhalation. This section summarizes the environmental media and chemicals of potential concern (COPCs) evaluated in this Appendix, identifies complete exposure pathways for the CHIRU population, and describes the methods used to quantify exposure from each pathway.

2.1 Conceptual Site Model (CSM)

Figure 1 presents the CSM that summarizes the current understanding of how chemical contaminants that have been released to the environment at the Site might result in the exposure of receptors. The environmental media evaluated in this appendix include soil/dust and sediment on tribal allotments, UCR disturbed surface water,[3] air, and biota (fish, mussels, crayfish, amphibians/reptiles, waterfowl, wild/cultural plants, upland birds, and wild game [mammals]). Sweat lodge air was not quantitatively evaluated in this HHRA and is expected to make a negligible contribution to risk (see Appendix 3 of the Site-wide HHRA for further discussion).

2.1.1 Exposure Areas

An exposure area (also referred to as an exposure unit) is an area where a receptor population may be exposed to one or more environmental media. Within the exposure area, contact with each medium is assumed to be random when considered on the time scale of the exposure scenario being evaluated (usually many years). Selection of the bounds of an exposure area is based mainly on consideration of the likely activity patterns of the exposed receptor populations but also must consider the spatial extent of data that are available to estimate exposure

[2] Please see the Note to Readers in the Site-wide HHRA for a more detailed explanation of "receptor" and other risk assessment terminology used in this appendix.

[3] "Disturbed" surface water samples were collected after kicking up the sediments on the riverbed, consistent with wading or swimming.

parameters and exposure concentrations. The Tribal Survey (Westat, Inc., 2012) collected information on Local Area[4] resource use by residents of the Colville Reservation. Merging the survey data with the data collected from the various environmental media (e.g., fish, macroinvertebrate [mussels and crayfish], and plant tissue; disturbed surface water and beach sediment; soil and outdoor air) or modeled using Site-specific data (e.g., tissue concentrations in birds and mammals) required consideration of the differences in the spatial scales the data represent. Table 1 presents the exposure areas defined for evaluation in this HHRA appendix by medium. The rationale for these exposure areas follows.

2.1.1.1 Soil, Indoor Dust, and Sediment

The CHIRU population was assumed to be exposed to soil, indoor dust, and surface sediment on the tribal allotments sampled as part of the 2014 and 2016 Residential Soil Studies (Figure 2; CH2MHill, 2016; TAI, 2017a). The tribal allotment DUs were sampled to assess potential risks to CCT members from exposure to metals in the surface soil on the allotments, and in the surface sediment of the tribal allotment with a beach. Prior to sampling, the DUs were delineated to include the areas of the allotments that were used most often (SRC, 2014); therefore, the size of the exposure area was assumed to be the same as the DU sampled. Indoor dust, which would be associated with any current building or buildings added to the allotments in the future, was also assumed to have been impacted by contaminants in an exposure area equal to the size of the DU sampled.

2.1.1.2 Disturbed Surface Water

The exposure area for surface water was identified as UCR Reaches 1-6, from the U.S. – Canadian border downstream to River Mile 597 in the Lower Reservoir of Lake Roosevelt (Figure 2-4 of the Site-wide HHRA). The rationale for combining surface water data to estimate one exposure point concentration (EPC) for the Site was based on the number of samples that were available for each reach of the UCR (TAI, 2013a), as discussed in Section 2.6.1 of the Site-wide HHRA.

2.1.1.3 Air

Outdoor air samples were collected from one location near Northport, Washington, by TAI (see Figure 2-12 in the Site-wide HHRA; Washington State Department of Ecology [ECY], 2017). The exposure area for air was identified as the entire Site.

2.1.1.4 Aquatic Biota

The measured concentrations of COPCs in fish, mussel, and crayfish tissue collected from all six river reaches were used to calculate EPCs for these media (CH2MHill, 2007; Exponent, 2013a; TAI, 2013b; Windward Environmental LLC [Windward], 2017a; TAI, 2018; TAI, 2017b; see Figures 2-14 through 2-17 in the Site-wide HHRA). The exposure area for fish was UCR Reaches 1-6. The rationale for combining the fish tissue data across reaches was an assumption that at least some of the fish species have home ranges that span more than one river reach, resulting in exposures throughout the river. More detail can be found in Section 3.1.1.3 of the Site-wide HHRA. The exposure area for ingestion of mussels and crayfish collected on-Site was

[4] The *Local Area* includes the UCR and the land located within the geographic extent of the CCT Resource Zones (see Figure 1 of the Tribal Survey DAR [SRC, 2019a]). The geographic extent of the UCR Site has not been determined yet (see first sentence of Section 1.1, SRC, 2019a).

UCR Reaches 1-6 as well. Limited information was available on locations where CCT members may collect shellfish for consumption, and the Recreational Consumption and Resource Use (RecUse) Survey (IEc, 2012) did not include questions on collection of shellfish. Therefore, the shellfish data were evaluated on a Site-wide basis. In addition to collection of mussels and crayfish from the UCR, they were also collected from two reference areas (the Sanpoil River and Buffalo Lake; Figure 2-17 of the Site-wide HHRA) (Windward, 2017b). Risk calculations were also run on macroinvertebrates collected from the reference areas, which were considered a single exposure area. Given that crayfish tissue data were used as a surrogate for amphibians and reptiles, the exposure area for consumption of amphibians and reptiles was UCR Reaches 1-6 as well.

2.1.1.5 Waterfowl

Waterfowl have large home ranges and feeding territories (much larger than the Site) and may be exposed to UCR surface water and surface sediment along the entire length of the Site. Waterfowl tissue EPCs were derived using an uptake model that required inputs for surface water and sediment. Estimated waterfowl tissue concentrations were calculated using UCR Reaches 1-6 EPCs for total disturbed surface water, and in most cases, the less than (<) 2 millimeters (mm) surface sediment fraction EPCs calculated for the upper, middle, and lower reaches of the UCR Site defined in the RecUse Survey (IEc, 2012). Sediment data are described in greater detail in Section 2.6 of the Site-wide HHRA. Because the feeding territory for waterfowl is large and many species are migratory, modeling the tissue concentrations of COPCs from Site media was preferred to measuring the concentrations in harvested birds due to uncertainty regarding whether the exposure history of the birds sampled represents exposure to media on-Site or elsewhere.

2.1.1.6 Wild/Cultural Plants

Wild/cultural plants were collected from 12 sampling areas (SAs), including 9 tribal allotments and 1 upland aerial deposition area (ADA), in 2018 as described in TAI (2019) and shown in Figure 3. Fourteen plant species were collected across these SAs, though not all plants were present in each of the SAs. Table 2 lists the plant species collected, time of collection, and SAs in which they were found.

2.1.1.7 Upland Birds and Wild Game (Mammals)

Upland birds (e.g., turkey) and wild game (e.g., deer) have large feeding territories, and may be exposed to UCR surface soil and surface water along the entire length of the Site. As such, the exposure area identified for exposure of upland birds and wild game to soil and surface water was the entire Site. Estimated bird and mammal tissue concentrations were calculated using UCR Reaches 1-6 EPCs for COPCs in total disturbed surface water and EPCs for COPCs in surface soil samples collected at a depth of 0-3 inches that were co-located with the wild/cultural plant samples. Given that turkey and deer feed primarily on terrestrial vegetation (versus aquatic vegetation), and that the incidental ingestion of soil will occur while feeding on terrestrial vegetation, the uptake model used to estimate EPCs in upland birds and game focused on COPC concentrations in soil and in surface water rather than in surface sediment. Because the feeding territory for upland birds and game is large, modeling the tissue concentrations of COPCs from Site media was preferred to measuring the concentrations in organisms that are harvested (due to uncertainty of whether the exposure history for these organisms represents Site exposures).

2.1.2 Exposed Population

The receptor population of concern addressed in this appendix to the Site-wide HHRA is the CHIRU population. This population obtains food and other resources (e.g., medicines, clothing, etc.) from the Local Area (SRC, 2019a). The CHIRU population was assumed to conduct activities on tribal allotments north of the Colville Reservation, and may have direct contact with surface soil or sediment in allotments. The evaluation in this appendix conservatively assumed full-time residential exposure to soil on tribal allotments, which is more applicable to potential future use than current use. CHIRU adults and children may be exposed to COPCs while breathing air on tribal allotments, as well as air and dust inside any current or potential future structures on allotments. Given the lack of indoor air data and activity data regarding time spent indoors versus outdoors for the CHIRU population, the exposure pathway for inhalation of air was not evaluated separately for indoor and outdoor air. Rather, exposure to air was assumed to be 24 hours/day.[5] The CHIRU population may be exposed to COPCs via consumption of terrestrial wild/cultural plants, waterfowl, upland birds, and wild game (mammals) harvested from the Site. The CHIRU population was assumed to contact surface water and surface sediment on the tribal allotment beach, and to consume fish and other aquatic biota (crayfish, mussels, amphibians and reptiles) harvested from the Site.

Many residents of the Colville Reservation participated in the Tribal Survey to characterize activities that may differ from national averages. Approximately 89% of the households agreed to participate in the enumeration stage of the survey (Westat, 2012). Of the 4,783 Colville Reservation residents enumerated at the beginning of the Tribal Survey, 2,645 residents were selected for participation in the survey in accordance with the sampling plan (Westat, 2010), and 1,165 (44%) completed the survey (i.e., completed two or more Automated Multiple Pass Method [AMPM] dietary recall interviews and the Food Questionnaire [FQ]; SRC, 2019a). As described in Westat (2012), sample weights for each participant and household were developed for use in analyzing the survey data to account for differences in sampling and response rates. In other words, the sample weights were calculated for people who responded to the survey to represent non-respondents as well, so that the weighted estimates represented all expected eligible households and people in the population. The Tribal Survey results were used to establish many of the exposure factors representative of the CHIRU population.

EPA (1989) recommends evaluating exposure and risk to individuals using intake parameter values (e.g., soil ingestion rate) that are near the upper end of the range (e.g., the 95th percentile [P95]), and "average," near the central portion of the range. These exposure scenarios are referred to as the Reasonable Maximum Exposure (RME) scenario when the intake parameters are from the upper end of the range, and the Central Tendency Exposure (CTE) scenario when average values are used.

2.1.3 Exposure Pathways

As described above, several types of media may be contaminated at the Site, including sediment, surface water, air, soil/dust, and biota. Figure 1 presents the likely routes by which the CHIRU population might contact contaminants in the environment. As shown, receptors may be exposed to contaminants in primary, secondary, or tertiary media by ingestion, inhalation, and dermal

[5] COPC concentrations in indoor air were assumed equal to concentrations in outdoor air.

contact. Those terms (i.e., primary, secondary, and tertiary) refer to how many steps the exposure medium is from the source of contamination. "Primary" refers to the original source (e.g., the discharge point) of a chemical constituent, while "secondary" and "tertiary" sources are environmental media (abiotic or biotic) that receive chemical inputs from a primary (or secondary) source. For example, air is a primary source of contaminants from a smokestack, while soil is a secondary source (contaminants are first in the air, then deposited on soil). The terms do not convey any prioritization of importance, but rather refer to transport steps in the CSM. Only exposure pathways considered complete (known with certainty to occur) and for which data were available were carried through the remainder of this Appendix. Only exposure pathways considered complete and for which data were available were carried through the HHRA, including this appendix.

Exposure pathways evaluated for the CHIRU population included:

- Incidental ingestion of surface soil and indoor dust at all tribal allotments except the one bordering the UCR[6]
- Dermal contact with surface soil at all tribal allotments except the one bordering the UCR
- Incidental ingestion of surface sediment at the tribal allotment bordering the UCR
- Dermal contact with surface sediment at the tribal allotment bordering the UCR
- Incidental ingestion of disturbed surface water
- Dermal contact with disturbed surface water
- Inhalation of air
- Consumption of fish (each species evaluated individually)
- Consumption of mussels
- Consumption of crayfish
- Consumption of amphibians and reptiles
- Consumption of waterfowl
- Incidental ingestion of aquatic wild/cultural plants[7]
- Consumption of terrestrial wild/cultural plants
- Consumption of upland birds, and
- Consumption of wild game (mammals).

2.2 Selection of Chemicals of Potential Concern (COPCs)

The HHRA Work Plan for the UCR Site (SRC, 2009) presented a list of initial contaminants of interest (COIs) developed using information about known and potential sources of contamination

[6] Section 3.3.10 of the Site-wide HHRA describes the procedure used to evaluate incidental ingestion of indoor dust in combination with incidental ingestion of surface soil.
[7] While basket-weaving

and data obtained during investigations and monitoring events near or at the Site. The COI list included metals and metalloids, pesticides, semi-volatile organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), dioxins/furans, polybrominated diphenyl ethers (PBDEs), and radionuclides associated with the uranium-238 decay chain. COIs were evaluated in a risk-based screen described in detail in Section 3.2 of the Site-wide HHRA to identify COPCs. The list of COIs analyzed differed by each medium depending on the Site-specific data collected during RI sampling events.

2.2.1 Surface Water COPCs

The surface water COI screen is presented in detail in Section 3.2.3 of the Site-wide HHRA. Surface water COPCs that have toxicity values and had measured concentrations (TAI, 2013a) that exceeded risk-based screening levels (RBSLs) and were evaluated quantitatively in this HHRA are:

- Aluminum
- Antimony
- Arsenic/inorganic arsenic
- Barium
- Beryllium
- Chromium
- Cobalt
- Iron
- Lead
- Manganese
- Thallium
- Uranium
- Vanadium

2.2.2 Surface Sediment COPCs

Surface sediment data evaluated in this appendix were those data collected from the tribal allotment beach as part of the 2014 Residential Soil Study (CH2MHill, 2016). The COI screen is described in detail in Section 3.2.4.5 of the Site-wide HHRA. Tribal allotment beach sediment COPCs that have toxicity values and measured concentrations that exceeded RBSLs and were evaluated quantitatively are:

- Antimony
- Arsenic
- Chromium

- Cobalt
- Iron
- Lead
- Manganese
- Thallium

2.2.3 Air COPCs

The air COI screen is presented in detail in Section 3.2.5 of the Site-wide HHRA. In the HHRA, the air COI screen is presented as "outdoor air" and "indoor air." However, in this appendix, exposure to air by the CHIRU population was assumed to be 24 hours/day. Air COPCs that have toxicity values and measured concentrations (CH2MHill, 2015; ECY, 2017) that exceeded RBSLs and were evaluated quantitatively are:

- Arsenic
- Cadmium
- Lead

2.2.4 Surface Soil and Indoor Dust COPCs

Surface soil samples at the Site were collected in multiple sampling events from 2014 through 2016, as described in Section 2.6 of the Site-wide HHRA. Surface soil data evaluated in this appendix were those data collected from tribal allotments as part of the 2014 and 2016 Residential Soil Studies (CH2MHill, 2016; TAI, 2017a). The soil COI screen is described in detail in section 3.2.6.1 of the Site-wide HHRA. Surface soil COPCs that have toxicity values and measured concentrations that exceeded RBSLs and were evaluated quantitatively are:

- Aluminum
- Antimony
- Arsenic
- Cadmium
- Chromium
- Cobalt
- Iron
- Lead
- Manganese
- Nickel
- Thallium
- Vanadium

In the absence of Site-specific data, indoor dust was evaluated based on residential soil data. Therefore, COPCs identified for surface soil were the COPCs identified for indoor dust.

2.2.5 Fish COPCs

The fish COI screen is described in detail in Section 3.2.6.2 of the Site-wide HHRA. Fish COPCs that have toxicity values and measured concentrations (CH2MHill, 2007; Exponent, 2013a; TAI, 2013b; Windward, 2017a; TAI, 2018) that exceeded RBSLs and were evaluated quantitatively are:

- 4,4'-DDE
- Aluminum
- Antimony
- Inorganic arsenic
- Bis(2-ethylhexyl)phthalate
- Chromium
- Dieldrin
- Heptachlor epoxide
- Hexachlorobenzene
- Lead
- Mercury
- PBDE congener 47
- Selenium
- Toxic equivalent (TEQ) (dioxin-like PCBs and dioxins/furans)
- Thallium
- Total PCBs
- Zirconium

2.2.6 Crayfish and Amphibian/Reptile COPCs

Crayfish were collected from the UCR in 2016 (TAI, 2016; TAI, 2017b), as described in Section 2.6 of the Site-wide HHRA. For the crayfish COI screen, the data for "whole body, no stomach carapace" were screened. These data were evaluated using the 4-step approach detailed for fish in Section 3.2.6.2 of the Site-wide HHRA. The crayfish COI screen is shown in Table 3. Crayfish COPCs that have toxicity values, measured concentrations that exceed RBSLs, and were therefore evaluated quantitatively are:

- Arsenic/inorganic arsenic
- Barium

- Cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Mercury
- Methylmercury
- TEQ dioxins/furans
- Thallium
- Total PCBs

In the absence of Site-specific data on concentrations of COIs in amphibians and reptile tissue, COPCs for crayfish were assumed to be an appropriate surrogate for the COPCs for amphibians and reptiles. Data from crayfish, insectivorous fish (kokanee, whitefish), and all fish were initially considered as potential surrogates for amphibian and reptiles. Crayfish (using signal crayfish as a surrogate) are opportunistic feeders; their diet shifts from aquatic insects as juveniles to more plant-based as adults (U.S. Fish and Wildlife Service [USFWS], 2015). Kokanee and whitefish feed on zooplankton and aquatic insects. EPCs were calculated for the two insectivorous fish species collected in the 2009 sampling event. Measured Site-specific concentrations of TEQ and mercury were higher in fish, while inorganics other than mercury tended to be higher in crayfish. Frogs (using the northern leopard frog as a surrogate species) are herbivorous as tadpoles and feed on insects as frogs (Dewey, 1999). Literature-based studies that reported COPC concentrations measured in both frog and fish tissue were also reviewed (Hothem et al., 2015; Unrine et al., 2007); frog tissue metal concentrations were similar to or higher than fish tissue concentrations, excepting mercury and selenium. Because a similar pattern was observed in the Site-specific crayfish and fish tissue data, and because metals are the primary COPCs of concern at this Site, crayfish were determined to be an acceptable surrogate for amphibians and reptiles. The crayfish COPCs were quantitatively evaluated as the COPCs for amphibians and reptiles.

2.2.7 Mussel COPCs

Mussels were collected from the UCR in 2016 (TAI, 2016; TAI, 2017b), as described in Section 2.6 of the Site-wide HHRA. These data were evaluated using the 4-step approach detailed for fish in Section 3.2.6.2 of the Site-wide HHRA. The mussel COI screen is shown in Table 4. Mussel COPCs that have toxicity values, measured concentrations that exceed RBSLs, and were therefore evaluated quantitatively are:

- Antimony
- Arsenic/inorganic arsenic
- Barium

- Cadmium
- Chromium
- Cobalt
- Iron
- Lead
- Manganese
- TEQ (dioxin-like PCBs and dioxins/furans)
- Thallium
- Total PCBs

2.2.8 Wild/Cultural Plant COPCs

Aquatic and terrestrial wild/cultural plants are secondary and tertiary media at the Site, respectively. Contaminants in UCR surface water and surface sediment can be taken up into aquatic plant tissue via bioaccumulation and bioconcentration. Terrestrial plants may absorb contaminants from the soil, and soil particles may adhere to plant surfaces. The CHIRU population may consume and otherwise utilize plants collected within the Site (Westat, Inc., 2012). Wild/cultural aquatic and terrestrial plants were collected in 2018 from selected areas within tribal allotments (from the 2014 and 2016 residential soil studies) and one ADA (from the 2014 upland soil study) located in the northern half of the Site for laboratory analysis of COIs (Figure 3; TAI, 2019). Given that contaminants found in surface sediment or soil are likely those found in aquatic and terrestrial plants, respectively, aquatic and terrestrial plant COPCs were assumed equal to surface sediment and surface soil COPCs.

COPCs that have toxicity values and were quantitatively evaluated as the COPCs for aquatic wild/cultural plants are the surface sediment COPCs:

- Antimony
- Arsenic
- Chromium
- Cobalt
- Iron
- Lead
- Manganese
- Thallium

COPCs that have toxicity values and were quantitatively evaluated as the COPCs for terrestrial wild/cultural plants are the surface soil COPCs:

- Aluminum
- Antimony
- Arsenic
- Cadmium
- Chromium
- Cobalt
- Iron
- Lead
- Manganese
- Nickel
- Thallium
- Vanadium

2.2.9 Waterfowl COPCs

Waterfowl are secondary exposure media at the Site. Contaminants in sediment and surface water can be taken up into the tissues of waterfowl via bioaccumulation. COPCs in surface water, surface sediment, and aquatic plants, along with any detected bioaccumulative COIs investigated in those media, are the COPCs for waterfowl. COIs were determined to be bioaccumulative based on a review of the EPA *Framework for Metals Risk Assessment* (EPA, 2007). In addition, cadmium is a Site-related COI (Johnson et al., 2013) that has been shown to bioaccumulate (Brown et al., 1996). COPCs for waterfowl that have toxicity values are listed in Table 5. The only COPCs that were evaluated quantitatively in the HHRA were those for which defensible uptake models could be found to estimate waterfowl tissue concentrations[8] (see the shaded COPCs in Table 5).

2.2.10 Upland Bird COPCs

Upland birds are tertiary exposure media at the Site; contaminants in soil and surface water can bioaccumulate in avian tissue. COPCs in tribal allotment surface soil and surface water, along with any detected bioaccumulative COIs investigated in those media, are the COPCs for upland birds. COIs were determined to be bioaccumulative as described in the waterfowl COPC screen above. COPCs for upland birds that have toxicity values are listed in Table 6. The only COPCs that were evaluated quantitatively in the HHRA were those for which defensible uptake models could be found to estimate upland bird tissue concentrations (see the shaded COPCs in Table 6).

2.2.11 Wild Game (Mammal) COPCs

Wild game are tertiary exposure media at the Site; contaminants in soil and surface water can bioaccumulate in upland mammal tissue. COPCs for tribal allotment surface soil and surface water are the COPCs for wild game, along with any detected bioaccumulative COIs measured in

[8] Beryllium and mercury were not evaluated quantitatively for waterfowl as no defensible aquatic plant uptake models were found.

upland and residential soil and surface water. COIs were determined to be bioaccumulative as described in the waterfowl COPC screen above. COPCs for wild game (mammals) that have toxicity values are listed in Table 7. The only COPCs that were evaluated quantitatively in the HHRA were those for which defensible uptake models could be found to estimate upland game tissue concentrations (see the shaded COPCs in Table 7).

2.3 Exposure Point Concentrations (EPCs)

An EPC is an estimate of the concentration of a COPC in a site medium, averaged over the area to which a receptor is exposed (i.e., exposure area). EPA (1992) recommends that the 95% upper confidence limit of the arithmetic mean (95UCL) be used as the EPC for quantifying exposure and risk to individuals under both the RME and the CTE scenarios. Both the Integrated Exposure Uptake Biokinetic Model for Lead in Children (IEUBK model) and the Adult Lead Methodology (ALM) require the EPC for lead to be an arithmetic mean or average value (see Section 2.4.3.1 for more information). The approaches used to calculate EPCs for lead and other COPCs in soil/dust, sediment, surface water, air, and fish are described in detail in Section 3.3 and Appendix 10 of the Site-wide HHRA.

EPCs for surface water, air, and fish are the 95UCL for non-lead COPCs and the KM mean (when non-detect samples were present in the data set) or arithmetic mean (when all samples were detected for lead in the data set) for lead and are presented in Tables 8 through 10. EPCs for tribal allotment soil/dust and sediment are shown in Table 11, along with the rationale for selecting the EPC (see footnotes b and c of Table 11). Calculations of EPCs for other media that are evaluated for the CHIRU population and not in the Site-wide HHRA are described below.

2.3.1 Crayfish and Amphibian/Reptile EPCs

For crayfish, the whole body minus the carapace and stomach,[9] and the stomach/carapace were submitted separately for analysis for crayfish collected from areas 2, 5, and 6 and the reference areas (Sanpoil River and Buffalo Lake) (TAI, 2017b). Only whole body crayfish were collected in Reaches 3 and 4. No crayfish samples were collected from Reach 1.[10] The data from the whole body minus the carapace and stomach (the part of the crayfish consumed by humans) for crayfish collected from Reaches 2, 5, and 6 and the reference areas were used to calculate EPCs for crayfish tissue. Target analyte list (TAL) metals, methylmercury, inorganic arsenic, PCB congeners, and dioxins/furans were analyzed in crayfish samples from Reaches 2, 5, and 6 and reference locations. As discussed in Section 2.2.6, the crayfish EPCs were used as surrogate EPCs for amphibians and reptiles. The crayfish and amphibian/reptile EPCs are shown in Table 12.

2.3.2 Mussel EPCs

Mussels were collected in six reaches of the UCR and in one reference area (Sanpoil River; TAI, 2017b). The soft tissue of the mussel (including any liquid inside the shell) was collected and submitted for analysis. Similar tissue was collected for mussel samples from all reaches; therefore, mussel data from Reaches 1-6 were used to calculate the EPCs. TAL metals were

[9] Whole body minus the carapace and stomach leaves the head, claws, abdomen, tail and shell around the claws and tail.

[10] Only one crayfish was collected by hand from Reach 1. This specimen was immobile, appeared to have a hole in its carapace, and was not retained for analysis.

analyzed in mussel samples from all 6 Reaches. Samples collected from Reaches 2, 5, 6, and the Sanpoil River (the reference location) were also analyzed for methylmercury, inorganic arsenic, PCB congeners, and dioxins/furans. Total arsenic was detected in all mussel samples collected from Reaches 2, 5 and 6 and the reference area, and inorganic arsenic was detected in 15 of those mussel samples. A value equal to the method detection limit was used as the sampling result value for samples that were non-detect. The Site-specific mean percent of arsenic present as inorganic arsenic in mussels was 7.7%. For samples from reaches that were not analyzed for inorganic arsenic (Reaches 1, 3 and 4), the Site-specific estimate for mussels of the percent of total arsenic present as inorganic arsenic (7.7%) was used to estimate the inorganic arsenic concentration in mussels. The mussel tissue EPCs are shown in Table 13.

2.3.3 Wild/Cultural Plant EPCs

Terrestrial and aquatic wild/cultural plants were collected in the Spring and Summer of 2018 from 12 SAs, including 9 tribal allotments and 1 upland ADA, as described in TAI (2019). Fourteen plant species were collected across these SAs, though not all plants were present in each of the 12 SAs (Table 2). COPC concentrations were reported by the laboratory on a dry weight basis. Dry weight tissue concentrations were converted to wet weight using sample specific percent solids and the equation: wet weight (ww) concentration (mg/kg) = dry weight (dw) concentration (mg/kg) × fraction solids. EPCs were calculated separately for each plant species across all plant SAs. Separate EPCs were generated for rose hips and rose stems/leaves (Table 14).

While the plants were not collected with an objective of random distribution across the region or across tribal allotments, this analysis assumes that the samples collected represent a reasonable proxy for plants collected across the area. In most cases, plants were collected from areas representing a range of soil metal concentrations as shown by the results of co-located soil sample analysis (TAI, 2019).

2.3.4 Waterfowl EPCs

Waterfowl tissue concentrations were estimated using the equations for estimating concentrations of COPCs in animal products and animal transfer coefficients (TCos) for inorganic chemicals to chicken meat from the California EPA Office of Environmental Health Hazard Assessment (OEHHA, 2012, 2015). The mallard duck (*Anas platyrhynchos*) was selected as the surrogate receptor representative of waterfowl for this model.

The uptake equation (OEHHA, 2015) is:

$$Conc_{waterfowl} = (Dose_{water} + Dose_{plants} + Dose_{sediment}) \times TCo$$

Where:

$Conc_{waterfowl}$	=	EPC in waterfowl meat (µg/kg ww)
$Dose_{water}$	=	Ingestion rate (liters per day [L/day]) × Conc in surface water (micrograms per liter [µg/L])
$Dose_{plants}$	=	Ingestion rate (kilograms per day [kg/day]) × Conc in plants (micrograms per kilogram [µg/kg] dw)
$Dose_{sediment/soil}$	=	Ingestion rate (kg/day) × Conc in surface sediment/soil (µg/kg dw)

TCo = Transfer coefficient (day/kg)

Variables needed for the model are ingestion rates of surface water, sediment, and aquatic plants for waterfowl; TCos for chicken meat for each COPC; and COPC concentrations in surface water, aquatic plants, and surface sediment. Food, water, and incidental sediment ingestion rates for the mallard were obtained from the scientific literature and are summarized in Table 15.

TCos for the bird uptake equation (chicken [OEHHA, 2015]) are as follows:

- Arsenic: 0.03 day per kg (day/kg)
- Cadmium: 0.5 day/kg
- Lead: 0.13 day/kg
- Selenium: 0.9 day/kg

The TCo for lead to chicken meat cited in OEHHA (2015) is 0.4. After review of the studies the TCo value was derived from and additional information on the TCo derivation calculations received from OEHHA (OEHHA, 2020), the lead TCo was re-calculated using the data reported in the original derivation studies (Latta and Donaldson, 1986a, 1986b) for the exposure group fed a methionine adequate diet;[11] a TCo of 0.13 was used to estimate uptake of lead into bird tissue.

Surface water and surface sediment concentrations used in the model are shown in Table 16. Sediment/soil EPCs were Site-specific 95UCL concentrations for non-lead COPCs and Kaplan Meier (KM) mean lead concentrations in surface sediment (public beach sediment [<2 mm], relict floodplain soil [<2 mm], and residential beach sediment [<250 µm]) collected from the Upper, Middle, and Lower regions of the UCR. Surface water EPCs were 95UCL concentrations for non-lead COPCs and the KM mean lead concentrations in total disturbed surface water samples collected in UCR Reaches 1 through 6. Aquatic plant concentrations for the model were estimated because aquatic plant parts collected from the Site in 2018 are not representative of the plant parts consumed by waterfowl. Concentrations of contaminants in aquatic plants were estimated using sediment to water potato regression models (Campbell et al., 1999), if available for a given COPC (Table B-3 of SRC, 2009). If not, the uptake model for metals (Jackson, 1998; Table B-4 of SRC, 2009) was used to estimate aquatic plant COPC concentrations. The equations used to estimate uptake of COPCs by aquatic plants are listed in Table 17.

Animal TCos and plant uptake models were available for arsenic, cadmium, lead and selenium. Waterfowl EPCs for these COPCs are shown in Table 16, along with the surface water, surface sediment/soil, and estimated plant concentrations for each COPC.

2.3.5 Upland Bird EPCs

EPCs in upland bird tissue were derived using an uptake model based on Site-specific EPCs for surface soil, surface water, and terrestrial plants following the same approach described above for waterfowl. Site-specific soil EPCs used in the uptake equation were mean or KM mean concentrations for both non-lead COPCs and lead in soil samples collected from a depth of 0-3

[11] The TCo cited in OEHHA (2015) was derived using data from the exposure group fed a methionine-deficient diet.

inches, sieved to <149 µm, and co-located with the wild/cultural plant samples. Site-specific surface water EPCs were 95UCL concentrations of non-lead COPCs and KM mean lead concentrations in total disturbed surface water samples collected in UCR Reaches 1 through 6. These EPCs are presented in Table 18. Soil arsenic and lead concentrations were not adjusted for relative bioavailability (RBA) in birds, as RBA methods developed for humans (based on data from IVBA and juvenile swine) cannot be used to make RBA adjustments for birds.

The Washington State turkey management plan (Washington Department of Fish and Wildlife, 2005) states that turkeys consume a diet comprised of 75% plant material and 25% invertebrates. Measured COPC concentrations in plant parts (sampled in 2018) likely to be consumed by upland birds (nuts and fruit;[12] Sample and LaTier [2019]) were used to calculate the EPC (KM mean for lead and 95UCL for non-lead COPCs) for the plant portion of the diet. Invertebrate concentrations were modelled using literature-based bioaccumulation models for terrestrial arthropods (Beyer and Sample 2017, Supplemental PowerPoint Slideshow S2) and measured soil concentrations. Invertebrate uptake models were only available for arsenic, cadmium and lead. The turkey diet was assumed to be 100% plants for beryllium, mercury, nickel, and selenium.

TCos were available for arsenic, beryllium, cadmium, lead, mercury, nickel and selenium (Table 18). The TCo for lead to chicken meat cited in OEHHA (2015) is 0.4. After review of the studies the TCo value was derived from and additional information on the TCo derivation calculations received from OEHHA (OEHHA, 2020), the lead TCo was re-calculated using the data reported in the original derivation studies (Latta and Donaldson, 1986a, 1986b) for the exposure group fed a methionine adequate diet; a TCo of 0.13 was used to estimate uptake of lead into bird tissue.

The bird uptake equation (OEHHA, 2015) is:

$$Conc_{uplandbird} = (Dose_{water} + Dose_{food} + Dose_{soil}) \times TCo$$

Where:

$Conc_{uplandbird}$	=	EPC in upland bird meat (µg/kg ww)
$Dose_{water}$	=	Ingestion rate (L/day) × Conc in surface water (µg/L)
$Dose_{food}$	=	Ingestion rate (kg/day) × ((Conc in plants [µg/kg dw] × 0.75) + (Conc in inverts [µg/kg dw] × 0.25))[13]
$Dose_{soil}$	=	Ingestion rate (kg/day) × Conc in surface soil (µg/kg)
TCo	=	Transfer coefficient (day/kg)

Variables needed for the model are ingestion rates of surface water, soil, and plants for upland birds; TCos for chicken meat for each COPC (Table 18); and concentrations in surface water, plants, invertebrates, and surface soil (Table 18). Food, water, and incidental soil ingestion rates for the wild turkey (*Meleagris gallopavo*), selected as the surrogate receptor representative of upland birds, were obtained from the scientific literature and are summarized in Table 19.

[12] Nuts = hazelnuts and Ponderosa pine nuts; fruits = sarvisberries, rose hips, huckleberries, and chokecherries

[13] Invertebrate uptake models were only available for arsenic, cadmium and lead. The turkey diet was assumed to be 100% plants for beryllium, mercury, nickel, and selenium.

Upland bird EPCs are shown in Table 20.

2.3.6 Wild Game (Mammal) EPCs

Wild game tissue concentrations were estimated using the equations for estimating concentrations of COPCs in animal products and animal TCos for inorganic chemicals to cattle meat from the California EPA OEHHA (OEHHA, 2015). The Site-specific COPC concentrations measured in surface (0-3") soil samples (<149 µm) that were co-located with the wild/cultural plant samples, total disturbed surface water, and measured plant concentrations used in the uptake model are summarized in Table 21. White-tailed deer (*Odocoileus virginianus*) was selected as the surrogate receptor representative of upland game mammals. Deer are primarily browsers, but will also consume berries, nuts, fungi and herbaceous vegetation (Korschgen, 1952; Dahlberg and Guettinger, 1956; Harlow and Jones, 1965; Sotola and Kirkpatrick, 1973). To calculate the plant EPC, it was assumed that the deer diet was 50% browse (willow and rose stems/leaves), 15% herbaceous plants (mint and kinninkinnick leaves), 15% nuts (hazelnuts and pine nuts), 5% fungi (black tree lichen), 10% fruit (chokecherries, huckleberries, sarvisberries and rose hips), and 5% tule leaves. Food, water and incidental soil ingestion rates used for white-tailed deer are summarized in Table 22.

TCos (Table 21) were available for arsenic, beryllium, cadmium, lead, mercury, nickel and selenium. Calculated deer tissue COPC concentrations are summarized in Table 21.

2.4 Exposure Evaluation

Details of the methods used to evaluate exposure to lead and non-lead COPCs are provided in Sections 3.4 and 3.5 of the Site-wide HHRA and are only summarized briefly below.

2.4.1 Methodology of Lead Exposure Evaluation

The primary population of concern for risk from exposure to lead in this appendix is CHIRU children younger than age six. For the assessment of lead, EPA recommends the use of the IEUBK model to evaluate exposures of children to lead-contaminated media in a residential setting (EPA, 1994a, 1994b, 1998, 2016). The IEUBK model predicts the probability distribution of blood lead concentrations (PbBs) in a population of young children (12-72 month age range was used in this HHRA per EPA, 2017a) exposed to a user-specified set of environmental lead levels (EPA, 1994a, 1998, 2016). This model allows users to input data on the levels of lead in soil, dust, water, air, diet, and other (user-defined intakes) for a specific location, as well as data on the amounts of these media ingested or inhaled by a child living at that location. All inputs to the IEUBK model are central tendency point estimates (EPA, 1994a, 1994b). These point estimates are then integrated to calculate an estimate of the central tendency (the geometric mean) of the distribution of PbBs that might occur in a population of children exposed to the specified conditions. Assuming the distribution is lognormal and given (as input) an estimate of the variability in PbBs (this is specified by the geometric standard deviation [GSD]), the model calculates the expected distribution of PbBs for a population of similarly exposed children, as well as an estimate of the probability of PbB exceeding the target risk level specified by the user.

For some activities, exposure of children to Site media is unlikely while adult exposure may occur (specifically the basket weaving exposure scenario[14]). When adults are exposed to media where lead is a COPC (and there is no exposure to young children), the ALM is recommended (EPA, 2003). The ALM is designed to assess non-residential (i.e., workplace or commercial) exposure to lead-contaminated soil by adults. The receptor evaluated in the ALM is the fetus (the most sensitive endpoint being the developing nervous system); risk estimates based on the ALM are considered to be protective of other adverse health effects in adults related to lead exposure.

For this Appendix to the Site-wide HHRA, the risk evaluation benchmarks selected for evaluation of lead risk were defined as >5% probability of exceeding a PbB of 3, 5, and 8 micrograms per deciliter (µg/dL; referred to as "P3," "P5," and "P8," respectively). These benchmarks are within the risk range of child PbBs associated with adverse health effects (2 to 8 µg/dL) cited in the 2016 Office of Land and Emergency Management (OLEM) Soil Lead Directive (EPA, 2016). The IEUBK model cannot be used to assess Site-related risk at the risk benchmark of P2 because with default parameter values and assuming zero lead in soil, the IEUBK model will calculate more than 5% probability that PbB will be >2 µg/dL (that is to say that the P2 risk goal is exceeded if soil lead concentration is 0 ppm). The estimated background soil lead concentration at the Site is approximately 35 parts per million (ppm; Appendix 4 of the Site-wide HHRA). P3 was selected as a lead risk benchmark to evaluate the low end of the risk range of child PbBs associated with adverse health effects. For this HHRA Appendix, the results for P3, P5, and P8 were assessed quantitatively.

The IEUBK model (V1.1, build 11 with inputs shown in Table 23) was used to derive PRGs for residential soil lead exposures for each of these risk benchmarks as follows:

- Utilizing the IEUBK model, a 5% probability of exceeding a blood lead level of 3 µg/dL was associated with a concentration of approximately 50 ppm lead in soil.
- Utilizing the IEUBK model, a 5% probability of exceeding a blood lead level of 5 µg/dL was associated with a concentration of approximately 200 ppm lead in soil.
- Utilizing the IEUBK model, a 5% probability of exceeding a blood lead level of 8 µg/dL was associated with a concentration of approximately 400 ppm lead in soil.

The PRGs associated with each of these risk benchmarks is based on an assumed default RBA of 60% for lead. Site-specific IVBA information was used to derive RBA-adjusted lead concentrations, which allows direct comparison with these PRGs.

In general, the IEUBK model predicts that lead intakes of at least 1 µg/day (at 30% absolute bioavailability [ABA]) are needed to decrease the soil PRG by approximately 20 ppm for a target risk goal of 5% exceeding a PbB of 5 µg/dL (P5). For example, the PRG decreases from 200 ppm to 180 ppm when lead intake increases 1 µg/day (i.e., the alternate exposure pathway in the IEUBK model). In this Site-wide HHRA, exposures that were predicted to contribute <1 µg Pb/day were classified as minimal.

[14] Stifelman (2019)

2.4.2 Methodology of Non-Lead Exposure Evaluation

The amount of a chemical that is ingested, inhaled, or absorbed through the skin is referred to as "intake" or "dose." Chemical intakes estimated for specific averaging times (e.g., lifetime) are referred to as average daily intakes (ADI). For non-lead chemicals, exposure is quantified using equations that include variables such as the EPC, the intake rate of the chemical, the body weight of the exposed person, the exposure frequency (EF; how often a person is likely to be exposed to the contaminated medium over the course of a typical year), and the exposure duration (ED; how long a person is likely to be exposed during his or her lifetime). Aside from the EPC, variables in the equations used to calculate chemical intakes are referred to as "exposure parameters" and are specific for the population being evaluated. The specific equations used to quantify the amount of non-lead COPCs ingested, absorbed through the skin, or inhaled are given in Section 3.5.1 of the Site-wide HHRA. The exposure parameters derived for the CHIRU receptor population are described in the next sections. When the same individual may be exposed to a chemical beginning as a child and extending into adulthood, exposure was calculated as the time weighted average (TWA) lifetime exposure for evaluating cancer risks. For non-cancer hazards, children and adults were evaluated separately.

2.4.3 Exposure Parameters

For every exposure scenario of potential concern, it is expected that there will be variability among individuals in the level of exposure at a specific location due to differences in intake rates, body weights, exposure frequencies, and exposure durations. Thus, there is normally a wide range of ADIs among different members of an exposed population. Because of this, all daily intake calculations must specify what part of the range of doses is being estimated. Typically, attention is focused on ADIs that are near the upper end of the range (e.g., P95; RME), and on ADIs that are "average" or otherwise near the central portion of the range (e.g., mean; CTE). Both RME and CTE scenarios were evaluated for receptors in this HHRA Appendix for non-lead COPCs.

Table 24 presents the exposure parameters used to generate human intake factor (HIF) values for the RME and CTE exposure scenario (for ingestion and dermal pathways) and time weighting factor (TWF) values (for inhalation pathways) for the CHIRU receptor population. Several general exposure parameters, such as body weight, exposure duration, and skin surface area, were taken from standard EPA guidance documents (e.g., EPA, 1989, 2011, 2014). Others were derived from the Tribal Survey (SRC, 2019a), communications with the CCT (e.g., Fraser, 2019a, 2019b, 2019c, 2019d, 2019e, 2019f, 2019g; Fraser, 2017; Stifelman, 2019; WQSA, 2014), or based on professional judgement. Detailed information on exposure parameters specific to this receptor population is provided in the remainder of this section.

2.4.3.1 Exposure Parameters Specific to Lead Risk Assessment

Exposure parameters used in the IEUBK model were CTEs (EPA, 1994a). Default parameter values were used when representative Site-specific information was not available. These defaults were modified to incorporate Site-specific information from the UCR Site when appropriate. Tables 23 and 25 present the input parameters used for evaluating lead exposures to CHIRU children using the IEUBK model for selected pathways at the UCR Site. Table 23 shows IEUBK model values with defaults as recommended by EPA and the Site-specific information. Table 25 provides the values for the age-specific parameters for the IEUBK model.

2.4.3.2 Exposure Parameters for Non-Lead Risk Assessment

Soil/Sediment Ingestion Rate

Soil and sediment ingestion rates (assumed to be equal) for the CHIRU population were taken from EPA (2017c, 2017d). For adults, for exposure to non-lead COPCs, the RME value was assumed to be 240 mg/day, which is the P95 adult daily soil ingestion rate determined for tribal subsistence/high contact populations (EPA, 2017d). The CTE soil ingestion value of 50 mg/day was the mean adult daily soil ingestion rate from EPA (2017d). The child RME and CTE soil ingestion rates of 200 and 80 mg/day, respectively, were taken from the update to Chapter 5 ("Soil and Dust Ingestion") of the EPA *Exposure Factors Handbook* (2017c; Table 24).

Contact Rates with Soil, Sediment and Surface Water

One major objective of the Tribal Survey (Westat, Inc., 2012) was to determine long-term average contact with and daily consumption rates (DCRs) of environmental media during activities that include hunting, fishing, gathering, and utilization of environmental resources from the UCR Site. Approximately 3,100 CCT residents spent on average 355 hours annually engaged in these activities on land located within the Local Area (SRC, 2019a). To evaluate exposure of the CHIRU population during activities on beaches, the EF of time spent engaged in activities "on land" was derived from the Tribal Survey (SRC, 2019a). The RME and CTE values of 62 and 18 days/year, respectively, were the P95 and mean values of time spent on land; this value is representative of all ages. For generic residential exposures of this population to soil in their yards (assuming year-round residence on tribal allotments), EPA default EFs were used (Table 24).

Approximately 3,100 CCT residents engage in activities in waters located within the Local Area (SRC, 2019a). To evaluate exposure of the CHIRU population during activities that take place in water, the EF was derived from the Tribal Survey for the RME and CTE scenarios. Values did not vary significantly by age or sex; the estimated RME EF was 91 days/year (P95), and the CTE EF was the estimated mean value of 34 days/year. The ET (hours/day spent in the water) was also derived for all ages and sex combined; the estimated ETs for the RME and CTE scenarios were 10 and 3.6 hours/day, respectively (Table 24).

Wild/Cultural Plant Consumption Rates

Species-specific plant DCRs were derived using information from the Tribal Survey Data Analysis Report (DAR) (SRC, 2019a), the UCR Plant Tissue Study Data Summary Report (DSR; Ramboll, 2019, TAI, 2019), and communications with the CCT (Fraser, 2017; Fraser, 2019a, 2019b, 2019c, 2019d, 2019e, 2019f, 2019g; Turner, 1997). Adult RME and CTE DCRs were derived for chokecherry, huckleberry, sarvisberry, black tree lichen, rose hips, kinnikinnick, rose stems and leaves, wild mint, hazelnut, pine nuts, lomatium, camas, and spring beauty/Indian potato. DCRs, expressed as g/day, were calculated as the product of consumption frequency (days/year) and the mean mass of the plants consumed on the days they were consumed (grams [g]; "meal size"). Information used to calculate these DCRs is found in Table 26.

For items that are mouthed (e.g., during preparation of plant material for weaving), exposure was estimated as if that plant part was ingested. Given the lack of more specific data on this

behavior, this HHRA appendix assumed that 50% of the plant material was consumed while mouthing (RME scenario for tule and willow). Risk calculations were also conducted assuming 5% of plant material was consumed while mouthing (CTE scenario for tule and willow). The selected percentages of ingestion associated with mouthing willow saplings and tule are uncertain. The range of 5-50% was used as a reasonable assumption to estimate ingestion associated with processing weaving materials as CTE and RME estimates, respectively.

Child DCRs were not available for consumption of wild plants. Therefore, to perform exposure calculations for the CHIRU child population for this exposure pathway, the child DCR for each terrestrial plant species was estimated by multiplying the adult DCR by a ratio of child-to-adult estimated energy requirements (EER). Values for EER were calculated based on regression models reported in Institute of Medicine (IOM, 2005). This methodology is described in detail in SRC (2019b) and in Appendix 14 to the Site-wide HHRA. Exposure to aquatic plants that are mouthed (e.g., during preparation of plant material for weaving) is not a complete exposure pathway for children (Stifelman, 2019); therefore, a child DCR was not calculated for aquatic plants (tule and willow).

Fish Consumption Rate

The fish DCR of 400 g/day utilized by the CCT in determining human health criteria for their surface water quality standards (WQSA, 2014) was the adult RME. The value is based on the subsistence consumption rate adopted by the CCT (WQSA, 2014). The adult CTE fish DCR of 80 g/day was derived by the CCT using the median frequency of ingestion by regular fish consumers and a 90th percentile meal size (Fraser, 2019b, 2019c).

To perform exposure calculations for the CHIRU child population, the child DCR for fish was estimated by multiplying the adult DCR by a ratio of child-to-adult EER as described above. This was done separately to derive the RME and CTE child DCRs for fish of 200 g/day and 40 g/day, respectively (Fraser, 2019c; Table 24).

Crayfish, Mussel, and Amphibian/Reptile Consumption Rates

DCRs estimated for crayfish, mussels, amphibians and reptiles (e.g., frogs, turtles, snakes) were based on data derived from the Tribal Survey (SRC, 2019a). DCRs were calculated as the product of consumption frequency (days/year) and the mass of the food items consumed on the days they were consumed (grams; "meal size"). The FQ was designed to collect information on long-term average intake frequencies of specified food items and their source and location. The FQ provided data for the daily frequency of crayfish, mussels, and amphibians/reptiles from the Local Area and from all areas (Local and non-Local). For crayfish, consumption frequency estimates were based on Local Area data (n=80; P95 of 30 days/year and mean of 13 days/year). Based on the sample size available for the Local Area, mussel consumption frequency estimates were based on Local and non-Local data (n=71; P95 of 30 days/year and mean of 9 days/year). Amphibian and reptile consumption frequency estimates were calculated from 5 people who reported eating these organisms from the Local Area (P95 of 30 days/year and mean of 22 days/year). No survey participants reported consuming amphibians and reptiles from non-local sources.

The 24-hour dietary recall interviews (AMPMs) were intended to characterize the types and amounts of food ingested by survey respondents on up to 4 different days (each representing a different season of the year). During the Tribal Survey, due to resource constraints, interviewers made the decision to focus on getting as many respondents to complete 2 AMPMs rather than having fewer respondents who complete all 4 AMPMs (Westat, 2012). The recall interviews did not capture the intake of shellfish sourced from the Local Area. However, the AMPM provided data for the meal size of market shellfish (clams, crab and shrimp). AMPM estimates were used for the meal size of locally-sourced shellfish, amphibians and reptiles. For crayfish, mussels, and amphibians and reptiles, the mean meal size used to derive DCRs was 70.1 g.

For these organisms, the number of children reported in the Tribal Survey was not sufficient to produce reliable estimates of long-term DCRs. The child DCR for crayfish, mussels, and amphibians and reptiles was estimated by multiplying the adult DCR by a ratio of child-to-adult EER as described above. RME and CTE DCRs are shown in Table 23.

Waterfowl Consumption Rate

The DCR for waterfowl was estimated based on data from the Tribal Survey (SRC, 2019a). As described above, the DCR was calculated as the product of consumption frequency (days/year) and the mass of the food items consumed on the days they were consumed (grams; "meal size"). The FQ provided data for the daily frequency of consuming waterfowl sourced from the Local Area and the percentage of waterfowl sourced from the Local Area (n=13; P95 of 6 days/year and mean of 5 days/year). The AMPMs did not capture meals that included waterfowl. As explained in more detail in the Tribal Survey DAR (SRC, 2019a), the adult mean meal size for chicken obtained from the AMPMs (100 g) was used as a surrogate for the adult mean meal size for waterfowl.

The data available from the Tribal Survey for children consuming waterfowl was very limited (n=3). Therefore, the child DCR for waterfowl was estimated by multiplying the adult DCR by a ratio of child-to-adult EER as described above. RME and CTE DCRs for waterfowl are shown in Table 23.

Upland Bird Consumption Rate

The DCR for upland birds was estimated based on data from the Tribal Survey (SRC, 2019a). As described above, the DCR was calculated as the product of consumption frequency (days/year) and the mass of the food items consumed on the days they were consumed (grams; "meal size"). Approximately 19% of Tribal Survey participants who completed the FQ reported eating wild upland birds. The FQ provided data for the daily frequency with which upland bird meat was consumed and the percentage of upland birds sourced from the Local Area. As shown in Table 13 of the Tribal Survey DAR (SRC, 2019a), the daily frequency of consumption by adults was 24.7 days/yr (P95) or 11.6 days/yr (mean). The 24-hour recall interviews did not capture meals that included upland birds, though they did contain many reports for consumption of chicken and turkey. As described in the Tribal Survey DAR (SRC, 2019a), the adult mean meal size for chicken obtained from the AMPMs (100 g) was used as a surrogate for the adult mean meal size for upland birds.

Given the small sample size available to estimate meal size and consumption frequency for children consuming upland birds, the child DCR was estimated by multiplying the adult DCR by a ratio of child-to-adult EER as described above. This was done separately for the RME and CTE child DCRs as shown in Table 23.

Wild Game (Mammal) Consumption Rate

The Tribal Survey (Westat, Inc., 2012) did not capture many respondents who reported consuming wild game other than deer/venison. The few survey participants who reported consuming bear, elk, and moose are shown in Table 10 of the Tribal Survey DAR (SRC, 2019a). The wild game (mammal) DCR was estimated using the National Cancer Institute (NCI) method and venison consumption data obtained in the Tribal Survey (Westat, Inc., 2012; SRC, 2019a). A total of 916 Tribal Survey participants reported deer consumption on the FQ or on one or more AMPM interviews. Using the NCI models, described in SRC (2019a), the mean and P95 adult DCRs for venison were estimated to be 12 and 42 g/day, respectively (i.e., the CTE and RME). The daily frequency of consuming venison from the Local Area by adults was approximately 10% (i.e., on average once every 9 days); approximately 88% of all venison consumed by adults was sourced from the Local Area.

Child DCRs for wild game (i.e., venison) were estimated using the adult DCRs and the ratio of the average meal sizes for children and adults from the Tribal Survey. The average meal size for children was 48 grams, and the average meal size for adults was 151 grams; the resulting ratio was 0.32 (SRC, 2019a). This ratio was applied to the adult DCRs to estimate the CTE and RME child DCRs as shown in Table 23.

3 Risk Characterization

3.1 Lead Risk Calculations

The IEUBK model was used for all analyses involving lead exposure for children and the ALM was used for analyses of lead exposures that did not involve children, as described in detail in the Site-wide HHRA to which this document is appended. Lead risk was quantitatively assessed in terms of whether the exposure exceeded the risk benchmark. For this HHRA, the selected benchmarks for quantitative risk evaluation were “does the exposure result in more than 5% probability of exceeding PbB of 3, 5, or 8 µg/dL;” P3, P5, and P8, respectively. For media other than residential soil, lead risk may also be presented in terms of how exposure to the medium contributes to overall risk given a selected concentration of lead in residential soil. When lead intake from the subject medium was less than or equal to (≤) 1 µg of lead per day, then that intake contributed minimally to lead risk. Below, lead risk results are presented by exposure pathway.

3.1.1 Incidental Ingestion of Surface Soil and Indoor Dust at Tribal Allotments

Methodology: The receptor population includes CHIRU children who may reside on a tribal allotment in the future. Arithmetic mean values for triplicate IC samples, or the sample result if a single IC sample was collected at each DU, were used as the soil lead EPC for the batch mode calculation. The soil lead EPC was the RBA-adjusted lead result to allow the default RBA for soil to be retained in the IEUBK model batch mode analysis. Dust lead concentration was calculated as the mass fraction of soil in indoor dust (MSD)-based result from the RBA-adjusted

soil lead EPC for the same reason (the MSD approach included the contribution from outdoor air lead). Outdoor air lead concentration was based on Site-specific information as described in Table 23. The results for the 32-month-old child were used as a surrogate for hypothetical children 12-72 months old per EPA guidance.

Results: The results of the IEUBK model are shown in Table 27. The results in Table 27 indicate that of the 35 tribal allotment DUs assessed (not including the tribal allotment beach DU which was assessed separately in Section 3.1.2), incidental ingestion of soil and soil-derived dust at the following tribal allotment DUs exceeded risk benchmarks for lead:

- 21 tribal allotment DUs had more than a 5% probability of exceeding a PbB of 3 µg/dL (P3 benchmark).
- 17 tribal allotment DUs had more than a 5% probability of exceeding a PbB of 5 µg/dL (P5 benchmark).
- 6 tribal allotment DUs had more than a 5% probability of exceeding a PbB of 8 µg/dL (P8 benchmark).

3.1.2 Incidental ingestion of Surface Sediment at Tribal Allotment Beach

Methodology: This exposure pathway was analyzed using the IEUBK model to assess risk from Site air and a time-weighted combination of tribal allotment DU soil and tribal allotment beach DU sediment for solid media exposure. Because the tribal allotment beach (DU 411) is not associated with a house DU and the IEUBK model requires a residential soil concentration, a surrogate was used based on the average soil lead concentration for other DUs on that tribal allotment (DU 410, DU 412 [using the post-removal action concentration as shown in Table 3-12 of the Site-wide HHRA], and DU 413). The time weighting of solid media intake used an assumed beach exposure of 2 days per week (adjusted from the RecUse Survey data beach visits assuming beach use during weekends; SRC 2019c). As discussed in the Uncertainty section of the Site-wide HHRA, this adjustment is unlikely to significantly impact predicted PbB and is likely to overestimate actual exposures. Because residential beaches were assumed to be relatively close to the residence, track-in of sediment from the beach was assumed and the MSD-dust lead concentration was derived from the time-weighted soil and sediment concentration.

Results: Table 28 shows the results for this exposure pathway for the P3, P5, and P8 benchmarks. As shown, incidental ingestion of sediment at the tribal allotment beach exceeded the P3 and P5 risk benchmark. Incidental ingestion of sediment did not exceed the P8 risk benchmark at the tribal allotment beach.

3.1.3 Incidental Ingestion of UCR Surface Water at Tribal Allotment Beach

Methodology: This exposure pathway was analyzed using the IEUBK model to assess risk from Site air, Site surface water, and a time-weighted combination of tribal allotment DU soil and tribal allotment beach DU sediment for solid media exposure. Because the tribal allotment beach (DU 411) is not associated with a house DU, a surrogate soil concentration was derived from the average soil lead concentration for other DUs on that tribal allotment (DU 410, DU 412 [using the post-removal action concentration as shown in Table 3-12 of the Site-wide HHRA], and DU 413). The time weighting of solid intake used an assumed surface water exposure of 1 day per

week (adjusted from the RecUse Survey data for swimming during beach visits; SRC, 2019c). As discussed in the Uncertainty section of the Site-wide HHRA, this adjustment is unlikely to significantly impact predicted PbB and is likely to overestimate actual exposures. Because the tribal allotment beach was assumed to be close to any associated residence, track-in of sediment from the beach was assumed and the MSD-dust lead concentration was derived from the time-weighted soil and sediment concentration.

Incidental ingestion of surface water during activities in surface water at a tribal allotment beach was added as an additional intake to the IEUBK model (where the average Site-wide concentration of lead in surface water was multiplied by the number of hours spent in water per day from the RecUse Survey and volume of water consumed while swimming per hour to derive an intake of lead per day; Table 23; SRC, 2019a, 2019c). An absorption fraction of 50% was used for the additional intake of lead (lead in surface water ingested incidentally during activities in surface water at the tribal allotment beach). Incidental intake of surface water was not subtracted from drinking water intake. Because the volume of incidental water intake is small compared to daily drinking water consumption and occurs only during an active event, it is unlikely to impact average drinking water intake.

Results: Table 29 shows the results for this exposure pathway for the P3, P5, and P8 benchmarks. As shown, incidental ingestion of surface water during activities in surface water at the Tribal Allotment beach exceeded the P3 and P5 risk benchmarks. Incidental ingestion of surface water during activities at the tribal allotment beach did not exceed the P8 risk benchmark.

3.1.4 Inhalation of Air

As discussed in the footnote to Table 23, the concentration of lead in UCR air (CH2MHill, 2015) is an order of magnitude lower than the default air lead concentration in the IEUBK model and is not likely to influence the results. Additionally, EPA evaluated air lead concentration data measured at the Sheep Creek monitoring station near Northport, WA. EPA has analyzed numerous studies that compared air lead concentration to PbBs in children.[15] The analysis indicates that the air-associated exposure from inhalation or ingestion of lead in house dust and surface soil can lead to a PbB that is 5 to 10 times the value in air. Based on air results at the Sheep Creek monitoring station during the 1999-2009 monitoring period, the lead concentration is 0.0242 µg/m^3 in air. This could lead to a 0.12 to 0.24 µg/dL level of lead in blood, which is low risk (EPA, 2018). The EPC value used in this HHRA appendix, for lead in air measured at Sheep Creek from 2002-2009, was 0.023 µg/m^3 (Table 23).

For lead, the air concentration from the Sheep Creek monitoring station is well below the levels expected to pose significant human health risks based on current understanding of relationships between air lead concentrations and PbBs resulting from direct and indirect exposures to air lead (Appendix 8 of the Site-wide HHRA). As such, risk from lead in air was included in the risk calculations as an input to the IEUBK model for all evaluations; however, this pathway was not evaluated as a separate exposure for lead.

[15] Integrated Science Assessment (ISA) for Lead (https://www.epa.gov/isa/integrated-science-assessment-isa-lead); April 2017.

3.1.5 Consumption of Site Biota

Methodology: Analysis of Site-related biota consumption using the IEUBK model is not necessarily informative because the average soil lead concentrations in tribal allotment DUs are >200 ppm (see Table 11). As noted earlier (see Section 3.1.1), this means that soil lead exposure alone would thereby exceed both P3 and P5 risk benchmarks without adding consumption of Site biota. To provide information to the CCT and other Site residents who engage in these activities, an approach was used to evaluate relative risk of consuming these biota (as discrete intakes) with focus on those that resulted in an average daily lead intake in excess of 1 µg Pb/day. An ADI of 1 µg Pb per day, in the absence of other lead exposures, would correspond to a predicted PbB of approximately 0.10-0.17 µg/dL depending on the assumed bioavailability of lead in the medium (from 30-50% ABA, respectively). See the Summary section (5) for more information.

Results: The biota-specific EPC was multiplied by the biota-specific DCR to derive a biota-specific ADI of lead. The following sections discuss the results for consumption of plants and other Site biota.

Table 30 shows the results for plants, where the mean or KM mean lead concentration for each plant species sampled was multiplied by the plant-specific DCRs to calculate lead intake. Those that exceeded 1 µg Pb/day are in bold text. Note that children do not engage in basket weaving (SRC, 2019a; Stifelman, 2019), so exposure to lead while basket weaving was calculated based on assumed incidental plant intakes for adults only. The lead intakes for adults while basket weaving were much lower than 1 µg Pb/day (0.003 and 0.016 for tule and willow, respectively; Table 31).

This same evaluation of lead intake was performed for the assessment of risk from the consumption of other Site biota. Tables 32 and 33 present the calculated lead intakes associated with consumption of fish, mussels, crayfish, amphibians and reptiles, waterfowl, upland birds, and wild game (mammals) harvested from the vicinity of the UCR. Those that exceeded 1 µg Pb/day are shown in bold text. Note that the intake of lead via consumption of mussels and crayfish collected from reference area sampling is presented for informational purposes.

3.2 Non-Lead Risk Calculations

3.2.1 Non-Cancer Hazard Summary

Risk of non-cancer effects is evaluated by comparing the estimated exposure concentration over a specified time period to a toxicity reference value (threshold) that represents the exposure below which it is unlikely for sensitive populations to experience adverse health effects (EPA, 1989). This ratio of exposure to toxicity is called a hazard quotient (HQ). To assess the overall potential for non-cancer effects posed by more than one chemical, or if exposure to a COPC occurs by more than one route, HQs are summed to yield a Hazard Index (HI). Within an exposure pathway (e.g., incidental ingestion of soil), HQs were summed across COPCs to derive an HI. HQs were also summed across pathways of the same media (e.g., incidental ingestion and dermal contact with soil) to derive an HI.

Non-cancer hazards were assessed against risk benchmarks. Risk benchmarks are risk levels that EPA uses to distinguish risks that are a potential concern from risks that are below the level of

concern. The benchmark for non-cancer hazards used in this assessment was an HQ >1. If the HQ for a chemical is ≤1, there is no appreciable risk (e.g., the probability is close to zero) that non-cancer health effects will occur. If an HQ is >1, then there is some possibility that an adverse non-cancer effect may occur (e.g., the probability is >0, but is likely not close to 1). This is because of the margin of safety inherent in the derivation of all toxicity values (see Section 4.3 of the Site-wide HHRA). However, the larger the HQ value, the more likely it is that an adverse effect may occur. When an HI is calculated, the risk benchmark is also HI >1. The HI can exceed one even if no single chemical exposure exceeds its reference dose/reference concentration (RfD/RfC; EPA, 1989). This is likely to overestimate actual exposures.

The assumption of dose additivity in the HI approach is most relevant to chemicals that induce the same effect by the same mode of action. If an HI >1 because of summing several HQs, then the chemicals can be segregated by effect and mode of action, and an HI can be calculated for each target organ group (EPA, 1989). Target organs were assigned to each COPC as shown in Table 4-2 of the Site-wide HHRA, based on data in EPA (2019b). Target organ group HI calculation results are discussed below for receptors with total HI >1.

In this assessment, the following terminology is used to categorize non-cancer hazard based on the HQ or HI. Risks are considered to be below non-cancer hazard benchmarks used by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) if the HQ or HI is ≤1; if the HQ or HI is >1, there is a possibility that non-cancer health effects may occur (EPA, 1989, 1997; EPA and Clay, 1991). Detailed methodology for estimating non-cancer hazards is provided in Section 5.2.1 of the Site-wide HHRA. The results of the non-cancer evaluation for each exposure pathway are summarized below.

3.2.1.1 Surface Soil/Indoor Dust Exposure at Tribal Allotments

Risks for incidental ingestion of surface soil and indoor dust, and dermal contact with soil, are presented separately.

Incidental Ingestion of Surface Soil and Indoor Dust

Current and future CHIRU adults and children were assumed to be exposed to non-lead COPCs in soil and indoor dust via incidental ingestion at all tribal allotment DUs sampled in the 2014 and 2016 residential soil studies (except at the one tribal allotment beach DU). For the adult CHIRU population, all total soil/dust ingestion non-cancer hazards (summed across COPCs for each DU) were below 1 under both the RME and CTE scenarios (Tables 34 through 103). Total soil/dust ingestion non-cancer hazards for the child CHIRU population (summed across COPCs) were >1 at 29 of the 35 tribal allotment DUs under the RME scenario. For the child CHIRU population under the CTE scenario, no tribal allotment DUs exceeded 1, not considering target organ effects. No COPCs had individual HQs >1 using either RME or CTE exposure assumptions.

Dermal Contact with Surface Soil

Current and potential future CHIRU adults and children were assumed to be exposed to non-lead COPCs in soil via dermal exposure at all 35 tribal allotment DUs sampled in the 2014 and 2016 residential soil studies that are not beaches. For both CHIRU adults and children, all total soil

dermal non-cancer hazards (summed across COPCs for each DU) were <1 under both the RME and CTE scenarios (Tables 34 through 103).

Total Exposure to Surface Soil and Indoor Dust
When exposure to non-lead COPCs in tribal allotment soil was summed across pathways (incidental ingestion of soil/dust and dermal contact with soil), total non-cancer HIs ranged from 0.3 to 1 for adults and 1 to 5 for children under the RME scenario (Tables 34 through 103). When these HIs for children were aggregated by target organ, 2 tribal allotment DUs had HIs >1 for the skin/hair/nails system under RME assumptions. Under the CTE scenario, total non-cancer HIs ranged from 0.04 to 0.2 for adults and 0.3 to 1 for children. No target organ systems had HIs >1 for the CTE scenario. Based on HIs being >1 when evaluated by target organ system at the RME, there is potential for non-cancer health effects from exposure to non-lead COPCs through the total exposure to surface soil and indoor dust pathway.

3.2.1.2 Sediment Exposure at Tribal Allotment Beach

Tribal allotment DU 411 borders the UCR; beach sediment was sampled as part of the 2014 Residential Soil Study. The CHIRU population was assumed to be exposed to non-lead COPCs in tribal allotment beach sediment while participating in activities near the river. Under the RME exposure scenario, the HI for incidental sediment ingestion was 0.1 for adults and 0.4 for children; the HI for dermal contact with sediment was 0.002 for adults and 0.009 for children (Table 104). Summed across exposure pathways (incidental ingestion and dermal contact with sediment), total HIs were 0.1 for adults and 0.4 for children at the RME. No target organ HIs were >1 under the RME scenario. As no HIs exceeded 1 for the RME scenario, no HIs exceeded 1 for the CTE scenario (Table 105). Based on the HI not exceeding 1, risks of non-cancer health effects from exposure to non-lead COPCs through this pathway are below non-cancer hazard benchmarks used by CERCLA (EPA, 1989, 1997; EPA and Clay, 1991).

3.2.1.3 Surface Water Exposure at Tribal Allotment Beach

The CHIRU population was assumed to be exposed to non-lead COPCs in unfiltered, disturbed UCR surface water via incidental ingestion and dermal contact while participating in activities in the UCR. For adults, under both the RME and CTE scenarios, HIs (summed across COPCs) for incidental ingestion and dermal contact were <1 (Tables 106 and 107). Total (ingestion + dermal) non-cancer hazards for surface water were 0.2 (RME) and 0.02 (CTE) for adults. For children, HIs for incidental ingestion and dermal contact did not exceed 1 for the RME and CTE scenarios. Total non-cancer HIs for children were 0.6 under the RME scenario and 0.06 under the CTE scenario. Aggregated by target organ, HIs for no target organ system exceeded 1 under either the RME or CTE scenario. Based on the HI not exceeding 1, risks of non-cancer health effects from exposure to non-lead COPCs through this pathway are below non-cancer hazard benchmarks used by CERCLA (EPA, 1989, 1997; EPA and Clay, 1991).

3.2.1.4 Air Exposure at Tribal Allotments

The CHIRU population was assumed to be exposed to non-lead COPCs (arsenic and cadmium) in air for 24 hours/day on tribal allotments. For adults and children, total non-cancer HIs were <1 (summed across COPCs) under both RME and CTE scenarios (Tables 108a and 108b). HIs for air were 0.4 for the CTE scenario and 0.6 for the RME scenario for both adults and children. HIs grouped by target organ did not exceed 1 as well. Based on the HI not exceeding 1, risks of non-

cancer health effects from exposure to non-lead COPCs through this pathway are below non-cancer hazard benchmarks used by CERCLA (EPA, 1989, 1997; EPA and Clay, 1991).

3.2.1.5 Exposure to Non-Lead COPCs from Consumption of Fish from the UCR

The CHIRU population (adults and children) was assumed to be exposed to non-lead COPCs in fish caught from the UCR and consumed. Risks for fish were estimated by consumption of individual species. Exposure to non-lead COPCs from consumption of fish was evaluated using EPCs calculated using all data for an individual fish species collected from UCR Reaches 1 to 6, to inform whether there is variability in risk based on preferential consumption of a particular species (Tables 109 through 126). For the RME CHIRU population, risk was highest from consumption of walleye fillets (child and adult HIs of 100 and 40, respectively; Table 116), followed by consumption of suckers (child and adult HIs of 90 and 30, respectively; Table 115) and smallmouth bass (child and adult HIs of 80 and 30, respectively; Table 113). HIs for all individual species evaluated were >1 at the RME for adults and children. COPCs contributing the most to non-cancer risk were mercury, thallium, and TEQ, which had HQs >1 for each species under RME exposure assumptions.[16] Target organ HIs >1 for the child and adult CHIRU population at the RME are as follows (Tables 109-117):

- Cardiovascular system[17]: HI >1 for walleye (adult and child) and whitefish (child)
- Developmental system: HI >1 all individual fish species (adult and child)
- Endocrine system[18]: HI >1 for walleye (adult and child) and whitefish (child)
- Gastrointestinal system[19]: HI >1 for sucker (child)
- Hematologic system: HI >1 for burbot (child), northern pike (child), smallmouth bass (child), and sturgeon (child)
- Nervous system: HI >1 for all individual fish species (adult and child)
- Reproductive system: HI >1 for all individual fish species (adult and child) except northern pike[20]
- Skin/hair/nails system: HI >1 for all individual fish species (adult and child)

Using CTE exposure parameters, all HIs for adults and children in the CHIRU population were >1 (adult HIs ranged from 2 to 7; child HIs ranged from 6 to 20; Tables 118 through 126). Target organ HIs >1 for the child and adult CHIRU population at the CTE are as follows:

- Cardiovascular system: HI >1 for walleye (child)
- Developmental system: HI >1 for burbot (adult and child), kokanee (child), northern pike (child), rainbow trout (child), smallmouth bass (adult and child), sturgeon (child), sucker (adult and child), walleye (adult and child) and whitefish (child)
- Endocrine system[21]: HI >1 for walleye (child)

[16] Note that northern pike were not analyzed for TEQ.
[17] COPCs that affect the cardiovascular system were not detected/not analyzed in northern pike.
[18] Note that northern pike and sturgeon were not analyzed for COPCs that affect the endocrine system.
[19] Note that northern pike and sturgeon were not analyzed for COPCs that affect the gastrointestinal system.
[20] Northern pike were not analyzed for COPCs that affect the reproductive system.
[21] Note that northern pike and sturgeon were not analyzed for COPCs that affect the endocrine system.

- Nervous system: HI >1 for burbot (adult and child), kokanee (child), northern pike (child), rainbow trout (child), smallmouth bass (adult and child), sturgeon (child), sucker (adult and child), walleye (adult and child) and whitefish (child)
- Reproductive system[22]: HI >1 for burbot (child), kokanee (child), rainbow trout (child), smallmouth bass (adult and child), sturgeon (child), sucker (adult and child), walleye (child) and whitefish (adult and child)
- Skin/hair/nails system: HI >1 for burbot (child), kokanee (adult and child), northern pike (child), rainbow trout (adult and child), smallmouth bass (adult and child), sturgeon (child), sucker (child), walleye (adult and child) and whitefish (adult and child)

Based on target organ HIs being >1, there is potential for non-cancer health effects from exposure to non-lead COPCs through fish consumption.

3.2.1.6 Exposure to Non-Lead COPCs from Consumption of Mussels from the UCR

CHIRU adults and children were assumed to be exposed to non-lead COPCs through the consumption of mussels from the UCR. As shown in Tables 127 and 128, adult and child HIs (summed across COPCs) under RME and CTE scenarios were not >1 from consuming mussels from Site locations. Adult and child HIs from consuming mussels from the reference location were also not >1 for RME and CTE scenarios (Tables 129 and 130). Because no HIs were >1 when aggregated by target organ system for adults or children at the RME or CTE scenarios, risks of non-cancer health effects from exposure to non-lead COPCs through consumption of mussels are considered below non-cancer hazard benchmarks used by CERCLA (EPA, 1989, 1997; EPA and Clay, 1991).

3.2.1.7 Exposure to Non-Lead COPCs from Consumption of Crayfish from the UCR

CHIRU adults and children were assumed to be exposed to non-lead COPCs through the consumption of crayfish from the UCR. As shown in Tables 131 through 134, HIs for children and adults at the RME and CTE, summed across COPCs, did not exceed 1 for crayfish collected in Site and reference locations. HIs grouped by target organ did not exceed 1 as well. Because no target organ HIs exceeded 1, risks of non-cancer health effects from exposure to non-lead COPCs through consumption of crayfish are below non-cancer hazard benchmarks used by CERCLA (EPA, 1989, 1997; EPA and Clay, 1991).

3.2.1.8 Exposure to Non-Lead COPCs from Consumption of Amphibians and Reptiles from the UCR

CHIRU adults and children were assumed to be exposed to non-lead COPCs through the consumption of amphibians and reptiles from the UCR. As shown in Tables 135 and 136, HIs for children and adults at the RME and CTE, summed across COPCs, were not >1 due to consuming amphibians and reptiles from Site locations. HIs grouped by target organ were also not >1. Based on the target organ HI not being >1, risks of non-cancer health effects from exposure to non-lead COPCs through this pathway are below non-cancer hazard benchmarks used by CERCLA (EPA, 1989, 1997; EPA and Clay, 1991).

[22] Northern pike were not analyzed for COPCs that affect the reproductive system.

3.2.1.9 Exposure to Non-Lead COPCs from Consumption of Waterfowl

The CHIRU population was assumed to be exposed to non-lead COPCs (arsenic, cadmium, and selenium) in waterfowl harvested from the Upper, Middle, and Lower Regions of the UCR and consumed. For adults and children, total non-cancer HIs did not exceed 1 (summed across COPCs) under either RME or CTE scenarios (Tables 137 and 138). HIs grouped by target organ also did not exceed 1. Based on the HI not exceeding 1, risks of non-cancer health effects from exposure to non-lead COPCs through this pathway are below non-cancer hazard benchmarks used by CERCLA (EPA, 1989, 1997; EPA and Clay, 1991).

3.2.1.10 Exposure to Non-Lead COPCs from Consumption of Wild/Cultural Plants

CHIRU adults and children were assumed to be exposed to non-lead COPCs in plants consumed from the UCR Site. Aquatic plants evaluated (tule and willow) were assumed to be incidentally ingested while basket-weaving (mouthing) and other similar activities; this exposure pathway was assumed to only be complete for adults. HIs for adults exposed to aquatic plants were <1 (summed across COPCs) under both RME and CTE scenarios (Tables 139 through 142). HIs grouped by target organ were <1 as well.

For terrestrial plants, which were assumed to be consumed by adults and children at rates shown in Table 24, non-cancer HIs were calculated by plant species. Table 143 summarizes the total plant risk results for the RME and CTE scenarios. Species-specific tables (Tables 139-142, RME; Tables 144-169, CTE) show non-cancer risk results for the Site exposure area. For chokecherry, huckleberry, sarvisberry, black tree lichen, rose hips, kinnikinnick, rose stems/leaves, wild mint, hazelnut, pine nut, and camas, adult and child HIs for the RME and CTE scenario did not exceed 1 (summed across COPCs); target organ HIs also did not exceed 1 (Tables 144 through 163, Tables 166-167).

For lomatium, the adult HI (summed across COPCs) did not exceed 1 at the RME and CTE, but the child HI at the RME was >1 (Tables 154 and 167). Child total HI did not exceed 1 at the CTE for lomatium. No target organ HIs were >1 for consumption of lomatium under RME exposure assumptions.

Adult HIs from consumption of spring beauty/Indian potato did not exceed 1 at the RME and CTE (Tables 143, 156 and 169). For children assumed to consume spring beauty/Indian potato, HIs summed across COPCs were >1 for the RME and CTE exposure scenarios. Target organ HIs were >1 for the child for both the RME and CTE scenarios for the skin/hair/nails system (Tables 143, 156, and 169).

Based on target organ HIs being >1 for consumption of spring beauty/Indian potato, there is potential for non-cancer health effects from exposure to non-lead COPCs through consumption of this species.

3.2.1.11 Exposure to Non-Lead COPCs from Consumption of Upland Birds

The CHIRU population was assumed to be exposed to non-lead COPCs in upland birds harvested from the UCR Site and consumed. For adults and children, total non-cancer HIs did not exceed 1 (summed across COPCs) under both RME and CTE scenarios (Tables 170 and 171). HIs grouped by target organ also did not exceed 1. Based on the HI not exceeding 1, risks

of non-cancer health effects from exposure to non-lead COPCs through this pathway are below non-cancer hazard benchmarks used by CERCLA (EPA, 1989, 1997; EPA and Clay, 1991).

3.2.1.12 Exposure to Non-Lead COPCs from Consumption of Wild Game (Mammals)

The CHIRU population was assumed to be exposed to non-lead COPCs in wild game (mammals) harvested from upland portions of the UCR Site and consumed. For adults and children, total non-cancer HIs did not exceed 1 (summed across COPCs) under both RME and CTE scenarios (Tables 172 and 173). HIs grouped by target organ also did not exceed 1. Based on the HI not exceeding 1, risks of non-cancer health effects from exposure to non-lead COPCs through this pathway are below non-cancer hazard benchmarks used by CERCLA (EPA, 1989, 1997; EPA and Clay, 1991).

3.2.2 Cancer Summary

The excess risk of cancer from exposure to a chemical is described in terms of the probability of developing cancer because of that exposure. Cancer risks are summed across all carcinogenic chemicals and all exposure pathways that contribute to exposure for a given population. If there is exposure to the same chemical in more than one medium, the total risk from that chemical is the sum of the risks across each medium. If exposure is to more than one chemical, the total cancer risk is estimated by summing the chemical-specific risks across all carcinogenic chemicals.

In general, EPA considers excess cancer risks below 10^{-6} to be negligible, and risks above 10^{-4} to warrant action.[23] Excess cancer risks that range between 10^{-6} and 10^{-4} are generally considered to be acceptable (EPA, 1989; EPA and Clay, 1991), although this is evaluated on a case-by-case basis. In this assessment, the following terminology was used to categorize cancer risks. Cancer risks that are $\leq 10^{-4}$ are within an acceptable range and risks above 10^{-4} are unacceptable (National Contingency Plan [NCP], 1990). As recommended in EPA's *An Examination of EPA Risk Assessment Principles and Practices* (EPA, 2004a), calculated cancer risks retained more than one significant figure and are presented in summary tables shown to one significant figure.

Cancer risks for each chemical were calculated as described in Section 5.2.2 of the Site-wide HHRA. Total excess cancer risks for each COPC, receptor, and exposure pathway are described separately by exposure pathway below.

3.2.2.1 Surface Soil/Indoor Dust Exposure at Tribal Allotments

Because arsenic is the only non-lead COPC in tribal allotment soil that has both a slope factor and a dermal absorption fraction, cancer risk from exposure to soil was solely attributable to arsenic. Current and potential future CHIRU adults and children were evaluated for exposure to arsenic in tribal allotment soil and dust via incidental ingestion, and dermal contact with soil, for receptors exposed under both RME and CTE scenarios. Total excess cancer risks from soil/dust ingestion, and from dermal contact with soil, were below 10^{-4} (Tables 34 through 103) for both children and adults. When ingestion and dermal contact risks were summed, total excess cancer risks ranged from 3×10^{-6} to 8×10^{-5} at the RME and from 2×10^{-7} to 6×10^{-6} at the CTE,

[23] Note that excess cancer risk can be expressed in several formats. A cancer risk of 10^{-6} is equivalent to 1 in 1,000,000 and can be expressed in scientific notation format as 1E-06. Similarly, a cancer risk of 10^{-4} is equivalent to 1 in 10,000 or 1E-04. For the purposes of this document, all cancer risks are presented as 10^{-4}, 10^{-6}, etc.

depending on the tribal allotment. These risks are within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

3.2.2.2 Surface Sediment Exposure at Tribal Allotment Beach

Current and potential future CHIRU adults and children were evaluated for exposure to arsenic in tribal allotment beach sediment via incidental ingestion and dermal contact for receptors exposed under both RME and CTE scenarios. Total excess cancer risks from sediment ingestion and dermal contact were below 10^{-4} (Tables 104 and 105) for both children and adults. When ingestion and dermal contact risks were summed, the total excess cancer risk was 3×10^{-6} at the RME and 9×10^{-8} at the CTE. These risks are within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

3.2.2.3 Surface Water Exposure at Tribal Allotment Beach

Current and potential future CHIRU adults and children were evaluated for exposure to arsenic in UCR surface water at the tribal allotment beach via incidental ingestion and dermal contact for receptors exposed under both RME and CTE scenarios. Total excess cancer risks from surface water ingestion and dermal contact were below 10^{-4} (Tables 106 and 107) for both children and adults. When ingestion and dermal contact risks were summed, the total excess cancer risk was 3×10^{-7} at the RME and 8×10^{-9} at the CTE. These risks are within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

3.2.2.4 Air Exposure at Tribal Allotments

The CHIRU population were assumed to be exposed to arsenic in air via inhalation 24 hours/day. Total excess cancer risks were 1×10^{-5} at the RME and 3×10^{-6} at the CTE (Tables 108a and 108b). These risks are within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

3.2.2.5 Exposure to Non-Lead COPCs from Consumption of Fish from the UCR

Total excess cancer risks for the consumption of fish exceeded 10^{-4} at the RME for each individual species evaluated except for northern pike, which did not have any detected COPCs having cancer slope factors (Tables 109 through 117). TWA cancer risks ranged from 1×10^{-4} for sturgeon to 6×10^{-4} for sucker and whitefish. At the CTE, total excess cancer risk did not exceed 10^{-4} for individual species (Tables 118 through 126; TWA cancer risk ranged from 1×10^{-5} for sturgeon to 4×10^{-5} for sucker and whitefish). RME risks for fish consumption by the CHIRU population exceeded the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

3.2.2.6 Exposure to Non-Lead COPCs from Consumption of Mussels from the UCR

CHIRU adults and children were assumed to be exposed to non-lead COPCs in mussels harvested from the UCR (Site and reference locations) and consumed. Total excess cancer risks (summed across COPCs) for adults and children were 6×10^{-6} (RME) and 6×10^{-7} (CTE) for Site locations, and 4×10^{-6} (RME) and 4×10^{-7} (CTE) for reference locations (Tables 127 through 130). These risks are within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

3.2.2.7 Exposure to Non-Lead COPCs from Consumption of Crayfish from the UCR

CHIRU adults and children were assumed to be exposed to non-lead COPCs in crayfish caught from the UCR (Site and reference locations) and consumed. Total excess cancer risks (summed across COPCs) for adults and children were 6×10^{-6} (RME) and 1×10^{-6} (CTE) for Site locations and 3×10^{-6} (RME) and 5×10^{-7} (CTE) for reference locations (Tables 131 through 134). These risks are within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

3.2.2.8 Exposure to Non-Lead COPCs from Consumption of Amphibians and Reptiles from the UCR

CHIRU adults and children were assumed to be exposed to non-lead COPCs in amphibians and reptiles caught from the UCR and consumed. Total excess cancer risks (summed across COPCs) for adults and children were 6×10^{-6} (RME) and 2×10^{-6} (CTE) for Site locations (Tables 135 and 136). These risks are within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

3.2.2.9 Exposure to Non-Lead COPCs from Consumption of Waterfowl

CHIRU adults and children were assumed to be exposed to arsenic in waterfowl harvested in the vicinity of the UCR and consumed. Total excess cancer risks for the RME ranged from 1×10^{-7} (Middle Region) to 4×10^{-7} (Upper Region), and for the CTE ranged from 5×10^{-8} (Middle Region) to 1×10^{-7} (Upper Region) (Tables 137 and 138). These risks are within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

3.2.2.10 Exposure to Non-Lead COPCs from Consumption of Wild/Cultural Plants

CHIRU adults were assumed to be exposed to arsenic in aquatic plants (tule and willow) harvested from the UCR and assumed to be incidentally ingested while being mouthed during basket-weaving. Total excess cancer risks for tule (9×10^{-8} and 3×10^{-9}) and willow (2×10^{-7} and 9×10^{-9}) at the RME and CTE, respectively, were below 10^{-4} (Tables 139 through 142). These risks are within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

CHIRU adults and children were assumed to be exposed to arsenic in terrestrial plants harvested from the vicinity of the UCR and consumed. For all terrestrial plants, total excess cancer risks at the RME and CTE were below 10^{-4} (Tables 143 through 169). These risks were within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

3.2.2.11 Exposure to Non-Lead COPCs from Consumption of Upland Birds

CHIRU adults and children were assumed to be exposed to arsenic in upland birds harvested in the vicinity of the UCR and consumed. Total excess cancer risks for adults and children were 2×10^{-6} for the RME scenario and 3×10^{-7} for the CTE scenario (Tables 170 and 171, respectively). These risks are within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

3.2.2.12 Exposure to Non-Lead COPCs from Consumption of Wild Game (Mammals)

CHIRU adults and children were assumed to be exposed to arsenic in wild game (mammals) harvested in the vicinity of the UCR and consumed. Total excess cancer risks for adults and

children were 5×10^{-7} for the RME scenario and 6×10^{-8} for the CTE scenario (Tables 172 and 173, respectively). These risks are within the acceptable cancer risk range used by CERCLA (EPA and Clay, 1991; EPA, 1997).

4 Uncertainty

Risk estimates such as those reported in this appendix are derived from combining exposure and toxicity estimates for cancer and non-cancer effects. Uncertainty is generally accounted for in HHRA calculations by making health-protective assumptions in estimating the parameters used in risk calculations. Section 6 of the Site-wide HHRA contains a detailed discussion of uncertainty in lead and non-lead risk assessment. This section discusses the uncertainty associated with exposures specific to this Appendix.

4.1 Assumptions Regarding Site Use

Tribal members regularly engaging in tribal lifestyles and activities, represented herein by the CHIRU receptor population, may contact environmental media (air, soil/dust, sediment, and water) as well as consume soil- and sediment- impacted biota to a greater extent than other residents in the area of the Site. Exposure of the CHIRU population to soil and indoor dust on tribal allotments was assessed assuming full-time residential exposure, even though there are currently no occupied houses or full-time residences on these properties. This exposure scenario would be representative of potential future use and is a conservative approach when evaluating current use. Because of this, the results are more likely to overestimate than to underestimate exposure to soil and dust and therefore risk from exposure to Site-related COPCs during current uses of these tribal allotments.

Some activities that Tribal Survey respondents engaged in on the banks of the UCR may have been incorrectly recorded during the Tribal Survey as taking place within one of the UCR river reaches (CCT, 2019), possibly introducing either a low bias in the estimates of EF for contact with soil/sediment and a high bias in estimates of EF for contact with UCR water, or a high bias in the estimates of EF for contact with soil/sediment and a low bias in estimates of EF for contact with UCR water. A small percentage (<5%, n=29) of Tribal Survey participants' responses to questions about the frequency of their on-land activities were identified as potential statistical outliers. A sensitivity analysis that evaluated the effect of these participants' responses on the EF estimates reported estimates for the CTE that were approximately 4.6-11% lower than the original estimate and estimates for the RME that were 12-27% lower than the original estimate. Responses provided by 16 participants (<3% of sample) to questions about the frequency of their activities in water were identified as potential statistical outliers. The estimated EFs for in-water activities were not sensitive to potential outliers; a sensitivity analysis found the effect of these participants' responses on the CTE EF estimate was no more than 6% and the effect on the RME EF estimate was approximately 1% (SRC, 2019a). Thus, these sources of uncertainty are unlikely to substantially influence risk calculations.

4.2 Double-Counting of Intakes for Lead Risk Assessment

Double-counting lead intakes for specific exposure media occurs if the IEUBK model default values for consumption are not adjusted to account for consumption at the Site (for example, downward adjustment of default dietary intakes of lead to account for consumption of lead in locally harvested fish). Double counting of media consumption can result in an overestimation of

lead intake. In general, if amounts consumed at the Site and frequencies of consumption are low, double-counting is unlikely to substantially influence risk-based decisions. These exposure pathways were assessed separately from other media (soil, sediment, and surface water) and presented as discrete intakes.

4.3 Estimation of EPCs in Food Items

While measured COPC concentrations were available for the majority of Site-related media evaluated in this appendix (i.e., soil, sediment, surface water, air, fish, crayfish, mussels, and plants), EPC concentrations in other media were estimated using surrogate data (amphibians and reptiles) or uptake modeling into tissue (waterfowl, upland birds and wild game [mammals]).

4.3.1 Uncertainty Associated with Available Data

In all exposure calculations, the desired input parameter is the true mean concentration of a contaminant within a medium, averaged over the area where random exposure is assumed to occur. However, because the true mean cannot be calculated based on a limited set of measurements, EPA (1989, 1992) recommends that the exposure estimate be based on the 95UCL. When data are plentiful and inter-sample variability is not large, the 95UCL may be only slightly higher than the mean of the data. However, when data are sparse or highly variable, the 95UCL may be substantially greater than the mean of the available data. Using the 95UCL as the EPC is a health-protective assumption for risk calculations. Uncertainties associated with data and EPCs calculated for soil, sediment, surface water, air, and fish are discussed in the Site-wide HHRA.

The Quality Assurance Project Plan (QAPP) for the Macroinvertebrate Tissue Study (TAI, 2016) specified collection of six composite samples of mussels from different locations within each UCR River reach. Six mussel beds were not located in any of the reaches, resulting in more than one sample being collected from an individual bed. Measured metal concentrations from mussel samples collected within a bed were more similar than measured metal concentrations in mussel samples collected within a reach. There is uncertainty regarding whether the spatial distribution of composite samples from each area is equally representative of the collection from all locations.

The availability of mussels in the UCR for collection and consumption is also uncertain. Macroinvertebrate sampling was targeted to be conducted during the time period when the reservoir water level is typically at its lowest and mussels would be most accessible. During the spring 2016 sampling event, water levels were higher than anticipated, and the number of mussels targeted for collection was not achieved. The collection of a sufficient number of mussels for chemical tissue analysis required scuba diving in the majority of the sampling areas (A1 and A3-A6) in the fall (TAI, 2017b). Insufficient availability of mussels as a resource for consumption would result in an overestimate of risk assuming daily exposure (which is the methodology used to assess risk in this HHRA).

In the absence of Site-specific tissue concentration data for amphibians and reptiles, the EPCs calculated for crayfish were used to evaluate risk from consumption of these organisms (see Section 2.2.9 for the rationale). The uncertainty in the risk estimate related to selection of these EPCs is unknown in both direction and magnitude.

4.3.2 Uncertainty Associated with Uptake Modeling

While soil and surface water concentrations are typically measured at sites, plant and biota concentrations are sometimes estimated using uptake models. In a study conducted to evaluate the predictive utility of uptake models, it was determined that the three general estimation methods used overestimated measured plant concentrations for over 50% of soil concentrations (Bechtel Jacobs Co., 1998). For this risk assessment, wild/cultural plants were collected to measure COPC concentrations in the plant parts consumed by the CHIRU receptor population and to reduce uncertainty in the risk estimates. For most plants, estimated plant concentrations (using the mean soil concentration from the plant SAs) overestimated the measured plant concentrations (Table 174). Measured concentrations tended to exceed estimated plant tissue concentrations for black tree lichen (arsenic, cadmium, lead) and for the underground plant parts (camas, lomatium, and spring beauty) that were collected (arsenic, cadmium, lead and nickel).

Consumption of black tree lichen, camas, lomatium and spring beauty resulted in estimated lead intakes >1 µg/day, and in a non-cancer target organ HI >1 for the skin/hair/nails system for consumption of spring beauty by children under RME exposure assumptions. Collection of site-specific plant data reduced the uncertainty associated with these risk estimates.

For this risk assessment, uptake models were used to predict tissue concentrations for waterfowl, upland birds, and game mammals (see Sections 2.1.1.5 and 2.1.1.7). As noted above, Site-specific factors that affect COPC bioavailability and uptake may lead to under- or overestimation of modeled food concentrations.

4.4 Uncertainty in Dietary Estimates

Consumption rates of biota (macroinvertebrates, plants, birds, game) were derived when possible from the Tribal Survey (SRC, 2019a).[24] As described in the Tribal Survey DAR (SRC, 2019a), there are uncertainties associated with the 24-hour dietary recalls, as well as the FQ. The 24-hour dietary recalls provided detailed records of food items consumed during the recall periods, but 24-hour recalls tend to under-estimate the frequency for foods that are consumed infrequently and over-estimate the variability in daily consumption rates within a population (Dodd et al., 2006). The FQ was developed specifically for the Tribal Survey, based on a validated food frequency questionnaire that had been used in many large surveys (Westat, Inc., 2010). A draft version of the FQ was also tested with members of the survey population. An advantage of FQs in general is they are more likely to capture food items that are consumed infrequently, while a disadvantage is that participants tend to have difficulty accurately recalling the frequency of eating particular food items (Dodd et al., 2006).

4.4.1 Shellfish and Amphibian/Reptile DCRs

The mussel and crayfish DCRs were calculated using the frequency of consumption (obtained from the FQ in the Tribal Survey) and the meal size of market shellfish (obtained from the 24-hour dietary recalls in the Tribal Survey). The FQ data for mussels sourced from the Local Area was provided by 10 participants (Table 9 of SRC, 2019a; the sample weights of these participants summed to 54). An additional 61 participants provided data on the FQ for mussels that were not sourced from the Local Area (Table 9 of SRC, 2019a; the sample weights of these

[24] Uncertainty associated with the fish DCR, obtained from the CCT, is not discussed in this appendix.

participants summed to 418); including these participants' responses, the average daily frequency of consumption was approximately 2.4% (approximately 8.8 days per year). The estimates for the frequency of consuming crayfish sourced from the Local Area are based on a much larger number of participants (n = 80). However, these are still relatively small sample sizes upon which to base estimates of consumption frequency for the UCR.

The 24-hour recalls did not capture consumption of locally sourced shellfish. The AMPM data includes meal size information for commercial sources of shellfish. As a result, the meal size estimates for mussels and crayfish were based on the meal size data for all commercial shellfish (i.e., mollusks and crustaceans) that were reported on the 24-hour recalls. Most meals captured in the 24-hour recalls included shrimp (49/89) or clams (26/89), with a few crabs (6/89) and oysters (5/89), 1 lobster, and 2 "seafood." By using the commercial shellfish as a surrogate to estimate meal size for locally sourced mussels and crayfish, the DCRs, and therefore exposures, are potentially overestimated; however, the magnitude of the overestimate is unknown.

The consumption rates (meal size and consumption frequency) of amphibians and reptiles are very uncertain due to minimal or no data. Five participants out of 1,165 respondents reported consuming amphibians/reptiles ("aquatic organisms") sourced from the Local Area on the Tribal Survey FQ. The average frequency of consumption was approximately 6% (22 days/year). There were no reports of consumption of amphibians or reptiles in any of the Tribal Survey 24-hour diet recalls. Therefore, as with mussels and crayfish, the meal size estimates were taken from 24-hour recall data for all mollusks and crustaceans.

4.4.2 Plant DCRs

Adult DCRs for plants were derived using a combination of consumption frequency and meal size data from the Tribal Survey, and information provided directly by the CCT. The Tribal Survey collected age-specific information on consumption of wild plants harvested from the Local Area. The exposure factor estimated for the consumption of wild plants (consumption rate in grams of aquatic and terrestrial wild plants consumed per day) is based on Tribal Survey respondents who reported consumption of wild plants ("consumers only") harvested from the Local Area. For most of the plant species collected during the Plant Study, survey responses were only sufficient to derive an estimate of consumption frequency (number of days per year a particular plant is consumed) for wild/cultural plant species of interest. Based on the available sample sizes for consumers, the only meal size data sufficient to fully derive DCRs based on the Tribal Survey was the grams per day estimate for huckleberries. Additional information on the meal sizes for wild plants based on recipes provided by the CCT or from Turner (1997) was utilized to develop DCRs for other wild plant species. For plant species utilized for weaving, it was assumed that either 50% (RME) or 5% (CTE) of the material mouthed while weaving was incidentally ingested. The magnitude and direction of uncertainty resulting from assumptions made to derive the DCR estimates is unknown, except for plants utilized for weaving. The assumption that 5-50% of the mouthed material is ingested is more likely to overestimate than underestimate intake.

4.4.3 Waterfowl and Upland Bird DCRs

The Tribal Survey 24-hour recalls did not capture consumption of wild upland birds or waterfowl. DCRs for adults were estimated using meal size data from the Tribal Survey for

chicken. There is some uncertainty related to using the average domestic poultry meal size as a surrogate for the average meal size for wild upland birds. Burger and Gochfeld (2002) reported both meal sizes and DCRs for market chicken exceed the meal sizes and DCRs for wild game (including dove, duck, quail, and wild turkey). However, the average chicken meal size for adults reported on the AMPM (100 grams) was approximately half the average chicken meal size estimated in Burger and Gochfeld (2002; ranged from 245 to 255 grams). It is within the range of meal sizes reported in Burger and Gochfeld (2002) for duck, wild-caught quail, and wild turkey (24 to 127 grams). Furthermore, the average meal size of 100 grams based on the AMPM data is within the range of meal sizes reported in the literature for wild game (38–183 grams; Section 5.2.4.2 of SRC, 2019a). This indicates that using the daily meal size of chicken reported on the AMPMs is a reasonable surrogate for estimating meal size for upland birds.

The FQ provided data for waterfowl sourced from the Local Area for 16 survey participants. An additional 7 adults provided data for waterfowl that were not sourced from the Local Area. The small sample size available from the FQ for waterfowl is a source of substantial uncertainty. For upland birds, the FQ data include a few participants whose responses may be considered statistical outliers. Three participants (all adults) reported eating wild upland game birds much more frequently than the rest of the participants. They also reported sourcing all the game birds from the Local Area. Two of the participants reported daily frequencies equivalent to approximately 4 days per week (daily frequency = 0.5704) and one participant reported eating wild upland bird meat every day. The next highest daily frequency (0.1429, or approximately once per week) was reported by four participants. However, most participants who reported eating wild upland birds (n = 208) reported eating them approximately 6 times per year (daily frequency = 0.0167). The effect of the potential outliers on the estimates is small. The estimates of the mean and P95 decrease by approximately 3 days per year with the three largest responses omitted from the dataset.

4.4.4 Wild Game (Mammal) DCRs

As described in the Tribal Survey (SRC, 2019a), the FQ and 24-hour recalls provided few data on the consumption of wild game such as bear, elk, and moose. However, venison consumption was reported on at least one 24-hour recall by 202 survey participants (179 adults and 23 children), and 30 participants reported consumption on more than one dietary recall. These data were used to calculate an adult DCR for wild game (mammals). Child DCRs for venison were estimated using the adult DCRs and the ratio of average meal sizes for children and adults from the Tribal Survey. A detailed discussion of the uncertainty in the modeling approach used to derive the adult DCR used for wild game (mammals) is provided in the Tribal Survey DAR (SRC, 2019a).

4.4.5 Estimation of Child DCRs

For the majority of food items evaluated in this appendix, data were not available to derive DCRs for children. Therefore, child DCRs were estimated by multiplying the adult DCR by a ratio of child-to-adult estimated energy requirements (EER). The EER ratio was based on EERs estimated from regression models applied to data from doubly labeled water studies (IOM, 2005; SRC, 2019b; Appendix 14 of the Site-wide HHRA). The regression models predicted EER based on age, body weight and height, and physical activity. The EER ratio was calculated for the average of EERs estimated for three physical activity (PA) levels that ranged from low to highly

active, for males and females combined (SRC, 2019b, Table 2). While these data were considered the best available data for estimating child and adult EER (IOM, 2005), the data were not provided by a random sample and how well they represent the variability in the target population is not known. Sources of uncertainty in the EER ratio include the uncertainty in the predicted average EERs for children and adults due to variability in age, height and weight among the population; differences in EER between males and females; differences in the PA level of the population; and, possibly, other physiological variables that may affect EER in the target population that were not represented in the population from which the EERs were derived. The application of a single EER ratio to estimate DCRs for specific foods assumes that amounts of individual foods consumed by children and adults scale with EER.

5 Summary

Exposure to COPCs in surface soil, indoor dust, air, surface water, surface sediment, fish, plants, mussels, crayfish, amphibians/reptiles, birds (waterfowl and upland birds), and game (mammals) were evaluated for the CHIRU adult and child receptor populations. Risks from exposure to lead were assessed using the ALM and the IEUBK model, for adults and children, respectively. Risks from exposure to other COPCs were estimated using standard equation and exposure pathways and parameters based on EPA guidance, the Tribal Survey (Westat, 2012; SRC, 2019a), and personal communication with the CCT.

The risk evaluation benchmarks selected for quantitative evaluation of lead risk were defined as >5% probability of exceeding each of these target PbBs: >5% probability of exceeding 3 µg/dL (referred to as "P3"), >5% probability of exceeding 5 µg/dL (referred to as "P5"), or >5% probability of exceeding 8 µg/dL (referred to as "P8"). Each of these risk benchmarks for lead was evaluated separately in this Appendix to the Site-wide HHRA. For other COPCs, risk was estimated for RME and CTE exposure scenarios. Risk benchmarks used herein for COPCs other than lead were either a non-cancer HQ or HI >1 or a TWA excess cancer risk $>10^{-4}$.

Lead risks at 35 tribal allotment DUs (not including the tribal allotment beach DU) exceeded risk benchmarks as follows:

- 21 tribal allotment DUs had more than a 5% probability of exceeding a PbB of 3 µg/dL (P3 benchmark).
- 17 tribal allotment DUs had more than a 5% probability of exceeding a PbB of 5 µg/dL (P5 benchmark).
- 6 tribal allotment DUs had more than a 5% probability of exceeding a PbB of 8 µg/dL (P8 benchmark).

Lead risk at the tribal allotment beach exceeded the P3 and P5 risk benchmarks due to incidental ingestion of sediment and surface water during activities on the beach.

Lead risk due to consumption of Site-related biota was evaluated as relative risk, with a focus on those intakes in excess of 1 µg Pb/day. The following pathways resulted in lead intake >1 µg/day:

- Consumption of sarvisberries by children
- Consumption of black tree lichen by children
- Consumption of lomatium by children
- Consumption of camas by children
- Consumption of spring beauty/Indian potato by children
- Consumption of amphibians and reptiles by children from UCR Reaches 2, 5, and Reaches 1-6 combined
- Consumption of fish (sucker and walleye) by children (consumption of other fish species resulted in <1 µg lead per day intake)
- Consumption of upland birds by children

Tribal members engaging in tribal lifestyles and cultural practices may contact environmental media (soil, sediment, and water) as well as soil- and sediment- impacted biota to a greater extent than other residents. Some tribal allotment DUs had fairly high soil lead concentrations (>200 ppm, which is the soil lead concentration associated with the P5 risk benchmark); therefore, soil lead is likely to be the major contributor to lead risk at these locations.

Table 175 presents average daily lead intakes via consumption of biota harvested or collected from the UCR Site. Table 175 indicates that some of the exposures resulted in intakes that exceeded 1 µg Pb per day intake due to high lead concentration in the biota tissue and/or high biota consumption rate.

For the following recommendations, readers should bear in mind the confidence in the results. For example, lead intakes that are based on survey data and measured tissue concentrations are more confident than those where intakes or tissue concentrations are estimated from other species or modeled. In general, those exposures shown in Table 175 that result in intakes <1 µg Pb/day are unlikely to present unacceptable risk from lead exposure, whereas those that exceed 1 µg Pb/day may warrant consideration of risk management alternatives.

For those biota where the concentration of lead in the tissue is high (such as camas and other underground plants), it may be advisable to seek an alternative source (that is, one not impacted by the Site or other lead sources) or to remove the biota tissue that is most likely to be high in lead before consuming (such as peeling root vegetables to remove the part that contacts the soil). For those biota where the lead concentration was generally low, but intake is high (such as fish), it may be advisable to reduce consumption from the Site and replace with biota that are less contaminated. For those biota where both intake and lead concentration are high, it may be advisable to consider both reducing consumption and finding a less contaminated non-Site source.

For non-lead COPCs, total non-cancer HIs were >1 for exposure of the CHIRU receptor populations via the following pathways:

- Exposure of CHIRU children to soil/indoor dust (ingestion and dermal pathways combined) on 29 tribal allotments at the RME
- Consumption of fish from the UCR for both children and adults at the RME and CTE
- Consumption of lomatium by children under RME exposure assumptions
- Consumption of spring beauty/Indian potato by children under RME and CTE exposure assumptions

Because the total HI is >1 for the pathways discussed above, non-cancer risks were aggregated by target organ effects (Tables 176 through 179). Risks from exposure to non-lead COPCs exceeded non-cancer risk benchmarks (i.e., target organ HIs >1) for the following exposure pathways:

- Exposure to soil/indoor dust by CHIRU children at 2 tribal allotments under RME exposure assumptions
- Consumption of fish by CHIRU adults and children under both RME and CTE exposure assumptions (adults under CTE scenario do not have target organ HIs >1 for consumption of northern pike or sturgeon)
- Consumption of spring beauty/Indian potato by children under RME and CTE exposure assumptions

Risks from exposure to non-lead COPCs exceeded cancer risk benchmarks (i.e., total excess cancer risk $>10^{-4}$) for the following exposure pathways:

- Consumption of fish by the CHIRU population under RME exposure assumptions (Tables 109 through 117), except for northern pike, which did not have any detected COPCs having cancer slope factors (Table 111)

For additional consideration, in its *Upper Columbia River Freshwater Mussel and Crayfish Evaluation (2018 Results)*, Washington State Department of Health (WDOH) evaluated the mussel data collected from the UCR (WDOH, 2019). Meal restrictions were recommended to the general public and high consumers for both the Site and reference areas due to manganese concentrations in freshwater mussels. Regardless of evaluation of the UCR mussel tissue concentration data, the Department of Fish and Wildlife prohibits the harvest of freshwater clams and mussels from all Washington freshwater sources because they do not consider them safe to eat due to potential bacterial contamination.[25] WDOH evaluated the crayfish data collected from the UCR and did not recommend restriction of crayfish consumption for the general public (WDOH, 2019). For high consumers (those that consume up to 23 meals per month of fish and shellfish), WDOH recommends consuming no more than 10 meals per month of crayfish from the UCR due to levels of inorganic arsenic.

[25] https://wdfw.wa.gov/fishing/shellfish/statewide_rules.html

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Table 1. Exposure Areas by Environmental Medium

Medium	Exposure Area
Soil and indoor dust	Individual tribal allotment decision unit (DU)
Surface sediment	Individual tribal allotment beach DU
Surface water	UCR reaches 1-6 combined
Air	Entire Site
Fish	UCR reaches 1-6 combined
Mussels	UCR reaches 1-6 combined
Crayfish	UCR reaches 1-6 combined
Amphibians/reptiles	UCR reaches 1-6 combined
Waterfowl	UCR River region (Upper, Middle and Lower regions as defined in IEc [2012])
Wild/cultural plants (evaluated as individual species)	All plant sampling areas (SAs) combined (see TAI, 2019)
Upland birds	Entire Site
Wild game (mammals)	Entire Site

Table 2. Wild/Cultural Plants Collected from the UCR Site

Plant Species	Date of Collection	Sampling Area(s)
Black tree lichen (*Bryoria fremontii*)	Spring (April 25-May 2, 2018)	SA01, SA05, SA08
Camas (*Camassia quamash*)	Spring (April 25-May 2, 2018)	SA01, SA03, SA05, SA07
Chokecherry (*Prunus virginiana*)	Late Summer (August 20-28, 2018)	SA01, SA03, SA07, SA09
Hazelnut (*Corylus cornuta var. californica*)	Late Summer (August 20-28, 2018)	SA02, SA03, SA04, SA06, SA09
Huckleberry (*Vaccinium cespitosum*)	Early Summer (June 18-20, 2018)	SA04
Kinnikinnick (*Arctostaphylos uva-ursi*)	Spring (April 25-May 2, 2018)	SA02, SA03, SA04, SA06
Lomatium (*Lomatium triternatum*)	Spring (April 25-May 2, 2018)	SA02, SA03, SA05, SA08
Lomatium (*Lomatium triternatum*)	Early Summer (June 18-20, 2018)	SA03
Ponderosa pine (*Pinus ponderosa*)	Late Summer (August 20-28, 2018)	SA01, SA02, SA03, SA04, SA07
Sarvisberry (*Amelanchier alnifolia*)	Late Summer (August 20-28, 2018)	SA01, SA03, SA07, SA08, SA14
Spring beauty/Indian potato (*Claytonia lanceolate*)	Spring (April 25-May 2, 2018)	SA01, SA02, SA03, SA04, SA05, SA08
Tule (*Schoenoplectus acutus*)	Late Summer (August 20-28, 2018)	SA14
Wild mint (*Mentha arvensis*)	Late Summer (August 20-28, 2018)	SA14
Wild rose (*Rosa gymnocarpa, R. nutkana,* and *R. woodsi*) stems and leaves	Early Summer (June 18-20, 2018)	SA01, SA03, SA04, SA06
Wild rose (*Rosa gymnocarpa, R. nutkana,* and *R. woodsi*) hips	Late Summer (August 20-28, 2018)	SA06, SA09, SA14
Willow (*Salix exigua*)	Spring (April 25-May 2, 2018)	SA16
Willow (*Salix exigua*)	Late Summer (August 20-28, 2018)	SA15

Table 3. COI Screen for Crayfish Tissue

Analyte	Units	N	N Detect	Detection Frequency (%)	Max Detected Concentration	RBSL	DF > 5%?	Essential Nutrient?	Max > RBSL?	COPC?
Aluminum	mg/kg ww	30	30	100.0	2.70E+02	4.71E+02	yes		no	no
Antimony	mg/kg ww	30	6	20.0	6.12E-02	1.88E-01	yes		no	no
Inorganic Arsenic	mg/kg ww	30	30	100.0	1.54E-01	6.65E-03	yes		yes	**yes**
Total Arsenic	mg/kg ww	30	30	100.0	4.70E-01	6.65E-03	yes		yes	**yes**
Barium	mg/kg ww	30	30	100.0	1.33E+02	9.41E+01	yes		yes	**yes**
Beryllium	mg/kg ww	30	26	86.7	9.90E-03	9.41E-01	yes		no	no
Cadmium	mg/kg ww	30	30	100.0	5.57E-01	4.71E-01	yes		yes	**yes**
Calcium	mg/kg ww	30	30	100.0	5.57E+04	NA	yes	yes	noRBSL	no
Chromium	mg/kg ww	30	30	100.0	1.43E+00	2.00E-02	yes		yes	**yes**
Cobalt	mg/kg ww	30	30	100.0	2.08E-01	1.41E-01	yes		yes	**yes**
Copper	mg/kg ww	30	30	100.0	5.53E+01	1.88E+01	yes		yes	**yes**
Iron	mg/kg ww	30	30	100.0	2.16E+02	3.29E+02	yes		no	no
Lead	mg/kg ww	30	30	100.0	1.66E+00	NA	yes		noRBSL	**yes**
Magnesium	mg/kg ww	30	30	100.0	8.83E+02	NA	yes	yes	noRBSL	no
Manganese	mg/kg ww	30	30	100.0	5.84E+01	6.59E+01	yes		no	no
Mercury	mg/kg ww	30	30	100.0	7.80E-02	4.71E-02	yes		yes	**yes**
Methyl mercury	mg/kg ww	30	29	96.7	7.49E-02	4.71E-02	yes		yes	**yes**
Nickel	mg/kg ww	30	30	100.0	7.34E-01	5.18E+00	yes		no	no
Potassium	mg/kg ww	30	30	100.0	2.29E+03	NA	yes	yes	noRBSL	no
Selenium	mg/kg ww	30	30	100.0	3.40E-01	2.35E+00	yes		no	no
Silver	mg/kg ww	30	30	100.0	1.45E-01	2.35E+00	yes		no	no
Sodium	mg/kg ww	30	30	100.0	2.63E+03	NA	yes	yes	noRBSL	no
TEQ - Dioxins/Furans (ND=0)	mg/kg ww	30	21	70.0	5.53E-08	7.68E-08	yes		no	no
TEQ - Dioxins/Furans (ND=1/2DL)	mg/kg ww	30	21	70.0	1.44E-07	7.68E-08	yes		yes	**yes**
TEQ - DL-PCBs (ND=0)	mg/kg ww	30	30	100.0	6.64E-08	7.68E-08	yes		no	no
TEQ - DL-PCBs (ND=1/2DL)	mg/kg ww	30	30	100.0	6.64E-08	7.68E-08	yes		no	no
Thallium	mg/kg ww	30	24	80.0	2.22E-02	4.71E-03	yes		yes	**yes**
Total PCBs (non-dioxin-like congeners;ND=0)	mg/kg ww	30	30	100.0	1.99E-02	4.99E-03	yes		yes	**yes**
Vanadium	mg/kg ww	30	30	100.0	5.17E-01	2.37E+00	yes		no	no
Zinc	mg/kg ww	30	30	100.0	3.10E+01	1.41E+02	yes		no	no

RBSL = risk-based screening level; DF = detection frequency; COPC = chemical of potential concern

Table 4. COI Screen for Mussel Tissue

Analyte	Units	N	N Detect	Detection Frequency (%)	Maximum Detected Concentration	RBSL	DF > 5%?	Nutrient?	Max > RBSL?	COPC?
Aluminum	mg/kg ww	42	42	100.0	4.70E+02	4.71E+02	yes		no	no
Antimony	mg/kg ww	42	14	33.3	2.01E-01	1.88E-01	yes		yes	**yes**
Inorganic Arsenic	mg/kg ww	24	19	79.2	1.01E-01	6.65E-03	yes		yes	**yes**
Total Arsenic	mg/kg ww	42	42	100.0	1.61E+00	6.65E-03	yes		yes	**yes**
Barium	mg/kg ww	42	42	100.0	1.44E+02	9.41E+01	yes		yes	**yes**
Beryllium	mg/kg ww	42	42	100.0	1.97E-02	9.41E-01	yes		no	no
Cadmium	mg/kg ww	42	42	100.0	9.75E-01	4.71E-01	yes		yes	**yes**
Calcium	mg/kg ww	42	42	100.0	9.47E+03	NA	yes	yes	noRBSL	no
Chromium	mg/kg ww	42	42	100.0	1.73E+00	2.00E-02	yes		yes	**yes**
Cobalt	mg/kg ww	42	42	100.0	2.26E-01	1.41E-01	yes		yes	**yes**
Copper	mg/kg ww	42	42	100.0	3.73E+00	1.88E+01	yes		no	no
Iron	mg/kg ww	42	42	100.0	5.90E+02	3.29E+02	yes		yes	**yes**
Lead	mg/kg ww	42	42	100.0	1.44E+00	NA	yes		noRBSL	**yes**
Magnesium	mg/kg ww	42	42	100.0	3.87E+02	NA	yes	yes	noRBSL	no
Manganese	mg/kg ww	42	42	100.0	6.70E+02	6.59E+01	yes		yes	**yes**
Mercury	mg/kg ww	42	42	100.0	4.63E-02	4.71E-02	yes		no	no
Methyl mercury	mg/kg ww	24	24	100.0	3.50E-02	4.71E-02	yes		no	no
Nickel	mg/kg ww	42	42	100.0	8.79E-01	5.18E+00	yes		no	no
Potassium	mg/kg ww	42	42	100.0	3.12E+02	NA	yes	yes	noRBSL	no
Selenium	mg/kg ww	42	42	100.0	6.20E-01	2.35E+00	yes		no	no
Silver	mg/kg ww	42	42	100.0	7.18E-02	2.35E+00	yes		no	no
Sodium	mg/kg ww	42	42	100.0	4.15E+02	NA	yes	yes	noRBSL	no
TEQ - Dioxins/Furans (ND=0)	mg/kg ww	20	14	70.0	2.01E-08	7.68E-08	yes		no	no
TEQ - Dioxins/Furans (ND=1/2DL)	mg/kg ww	20	14	70.0	2.21E-07	7.68E-08	yes		yes	**yes**
TEQ - DL-PCBs (ND=0)	mg/kg ww	22	22	100.0	1.33E-07	7.68E-08	yes		yes	**yes**
TEQ - DL-PCBs (ND=1/2DL)	mg/kg ww	22	22	100.0	1.33E-07	7.68E-08	yes		yes	**yes**
Thallium	mg/kg ww	42	30	71.4	1.56E-02	4.71E-03	yes		yes	**yes**
Total PCBs (non-dioxin-like congeners;ND=0)	mg/kg ww	22	22	100.0	1.63E-02	4.99E-03	yes		yes	**yes**
Vanadium	mg/kg ww	42	42	100.0	9.48E-01	2.37E+00	yes		no	no
Zinc	mg/kg ww	42	42	100.0	4.58E+01	1.41E+02	yes		no	no

RBSL = risk-based screening level; DF = detection frequency; COPC = chemical of potential concern

Table 5. COPCs for Waterfowl

COPC[a]	Basis for Selection
2,4'-DDD	Detected bioaccumulator in surface sediment
2,4'-DDE	Detected bioaccumulator in surface sediment
2,4'-DDT	Detected bioaccumulator in surface sediment
4,4'-DDD	Detected bioaccumulator in surface water and surface sediment
4,4'-DDE	Detected bioaccumulator in surface sediment
4,4'-DDT	Detected bioaccumulator in surface sediment
Aldrin	Detected bioaccumulator in surface water
Alpha-chlordane	Detected bioaccumulator in surface water and surface sediment
Aluminum	Surface water COPC
Antimony	Surface water, surface sediment and aquatic plant COPC
Arsenic	Surface water, surface sediment and aquatic plant COPC
Barium	Surface water COPC
Benzo(a)anthracene	Detected bioaccumulator in surface sediment
Benzo(a)pyrene	Detected bioaccumulator in surface sediment
Benzo(b)fluoranthene	Detected bioaccumulator in surface water and surface sediment
Benzo(k)fluoranthene	Detected bioaccumulator in surface sediment
Beryllium	Surface water COPC
Bis(2-ethylhexyl)phthalate	Detected bioaccumulator in surface water and surface sediment
Cadmium	Detected bioaccumulator in surface water, and surface sediment
Chromium	Surface water, surface sediment and aquatic plant COPC
Chrysene	Detected bioaccumulator in surface water and surface sediment
Cobalt	Surface water and aquatic plant COPC
Dibenzo(a,h)anthracene	Detected bioaccumulator in surface sediment
Fluoranthene	Detected bioaccumulator in surface sediment
Hexachlorobenzene	Detected bioaccumulator in surface water and surface sediment
Indeno(1,2,3-cd)pyrene	Detected bioaccumulator in surface water and surface sediment
Inorganic arsenic	Surface water COPC
Iron	Surface water, surface sediment and aquatic plant COPC
Lead	Surface water, surface sediment and aquatic plant COPC
Manganese	Surface water and aquatic plant COPC
Mercury	Detected bioaccumulator in surface water and surface sediment
Selenium	Detected bioaccumulator in surface water and surface sediment
TEQ (dioxin-like PCBs and dioxins/furans)	Detected bioaccumulator in surface water and surface sediment
Thallium	Surface water and aquatic plant COPC
Total PCBs (non-dioxin-like congeners or aroclors)	Detected bioaccumulator in surface water and surface sediment
Uranium	Surface water COPC
Vanadium	Surface water COPC

[a]Shaded COPCs are those evaluated quantitatively in the HHRA.

Table 6. COPCs for Upland Birds

COPC[a]	Basis for Selection
4,4'-DDD	Detected bioaccumulator in surface water
Aldrin	Detected bioaccumulator in surface water
Alpha-chlordane	Detected bioaccumulator in surface water
Aluminum	Surface water and surface soil COPC
Antimony	Surface water and surface soil COPC
Arsenic	Surface water and surface soil COPC
Barium	Surface water COPC
Benzo(b)fluoranthene	Detected bioaccumulator in surface water
Beryllium	Surface water COPC
Bis(2-ethylhexyl)phthalate	Detected bioaccumulator in surface water
Cadmium	Detected bioaccumulator in surface water and surface soil
Chromium	Surface water and surface soil COPC
Chrysene	Detected bioaccumulator in surface water
Cobalt	Surface water and surface soil COPC
Hexachlorobenzene	Detected bioaccumulator in surface water
Indeno(1,2,3-cd)pyrene	Detected bioaccumulator in surface water
Inorganic arsenic	Surface water COPC
Iron	Surface water and surface soil COPC
Lead	Surface water and surface soil COPC
Manganese	Surface water and surface soil COPC
Mercury[b]	Detected bioaccumulator in surface water
Nickel	Surface soil COPC
Selenium	Detected bioaccumulator in surface water and surface soil
TEQ (dioxin-like PCBs and dioxins/furans)	Detected bioaccumulator in surface water
Thallium	Surface water and surface soil COPC
Total PCBs (non-dioxin-like congeners or aroclors)	Detected bioaccumulator in surface water
Uranium	Surface water COPC
Vanadium	Surface water and surface soil COPC

[a]Shaded COPCs are those evaluated quantitatively in the HHRA.

[b]Total mercury was analyzed in surface water. As there is no toxicity value for inorganic mercury, risk calculations were done with the assumption that 100% of the measured mercury is methylmercury.

Table 7. COPCs for Wild Game (Mammals)

COPC[a]	Basis for Selection
4,4'-DDD	Detected bioaccumulator in surface water
Aldrin	Detected bioaccumulator in surface water
Alpha-chlordane	Detected bioaccumulator in surface water
Aluminum	Surface water and surface soil COPC
Antimony	Surface water and surface soil COPC
Arsenic	Surface water and surface soil COPC
Barium	Surface water COPC
Benzo(b)fluoranthene	Detected bioaccumulator in surface water
Beryllium	Surface water COPC
Bis(2-ethylhexyl)phthalate	Detected bioaccumulator in surface water
Cadmium	Detected bioaccumulator in surface water and surface soil
Chromium	Surface water and surface soil COPC
Chrysene	Detected bioaccumulator in surface water
Cobalt	Surface water and surface soil COPC
Hexachlorobenzene	Detected bioaccumulator in surface water
Indeno(1,2,3-cd)pyrene	Detected bioaccumulator in surface water
Inorganic arsenic	Surface water COPC
Iron	Surface water and surface soil COPC
Lead	Surface water and surface soil COPC
Manganese	Surface water and surface soil COPC
Mercury[b]	Detected bioaccumulator in surface water
Nickel	Surface soil COPC
Selenium	Detected bioaccumulator in surface water and surface soil
TEQ (dioxin-like PCBs and dioxins/furans)	Detected bioaccumulator in surface water
Thallium	Surface water and surface soil COPC
Total PCBs (non-dioxin-like congeners or aroclors)	Detected bioaccumulator in surface water
Uranium	Surface water COPC
Vanadium	Surface water and surface soil COPC

[a]Shaded COPCs are those evaluated quantitatively in the HHRA.

[b]Total mercury was analyzed in surface water. As there is no toxicity value for inorganic mercury, risk calculations were done with the assumption that 100% of the measured mercury is methylmercury.

Table 8. Disturbed, Unfiltered Surface Water EPCs

Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (µg/L)	Arithmetic Mean Detected Concentration (µg/L)	Standard Deviation (µg/L)	95% UCL[a] (µg/L)	UCL Statistic[a]	Selected Exposure Point Concentration for both RME and CTE risks		
							Value	Units	Rationale[a]
Aluminum	41 / 42	25400	920	3940	722	KM H-UCL	722	µg/L	UCL-NP
Antimony	42 / 42	2.87	0.322	0.477	0.643	95% Chebyshev (Mean, Sd) UCL	0.643	µg/L	UCL-NP
Arsenic	24 / 42	3.93	0.975	0.813	0.841	KM H-UCL	0.841	µg/L	UCL-NP
RBA Adjusted Arsenic	24 / 42	0.812	0.201	0.168	0.174	KM H-UCL	0.174	µg/L	UCL-NP
Barium	42 / 42	932	60.7	138	154	95% Chebyshev (Mean, Sd) UCL	154	µg/L	UCL-NP
Beryllium	31 / 42	1.37	0.0676	0.237	0.189	95% KM (Chebyshev) UCL	0.189	µg/L	UCL-NP
Cadmium	36 / 42	1.25	0.105	0.224	0.233	95% KM (Chebyshev) UCL	0.233	µg/L	UCL-NP
Chromium	26 / 42	24.4	1.77	4.69	3.67	95% KM (Chebyshev) UCL	3.67	µg/L	UCL-NP
Cobalt	38 / 42	31.7	1.18	5.11	4.35	95% KM (Chebyshev) UCL	4.35	µg/L	UCL-NP
Iron	40 / 42	43600	1810	6860	1820	KM H-UCL	1820	µg/L	UCL-NP
Lead	37 / 42	30.4	3.57	7.28	7.81	95% KM (Chebyshev) UCL	3.15	µg/L	KM Mean[b]
RBA Adjusted Lead	37 / 42	22.5	2.64	5.39	5.78	95% KM (Chebyshev) UCL	2.33	µg/L	KM Mean[b]
Manganese	41 / 42	3090	102	480	419	95% KM (Chebyshev) UCL	419	µg/L	UCL-NP
Nickel	40 / 42	68	2.63	10.6	9.5	95% KM (Chebyshev) UCL	9.5	µg/L	UCL-NP
Thallium	18 / 42	0.288	0.0541	0.0655	0.0358	KM H-UCL	0.0358	µg/L	UCL-NP
Uranium	42 / 42	3.14	0.639	0.413	0.756	95% Modified-t UCL	0.756	µg/L	UCL-P
Vanadium	39 / 42	33	1.76	5.25	5.07	95% KM (Chebyshev) UCL	5.07	µg/L	UCL-NP

[a] Based on recommendations from ProUCL, version 5.1.00 software (EPA, 2015); includes non-detects treated per recommendations for each statistical method:
UCL = Upper confidence limit; UCL-P = Parametric UCL; UCL-NP = Nonparametric UCL
95% KM (BCA) UCL = UCL based on bias-corrected accelerated bootstrap method
95% KM (t) UCL = UCL based on Kaplan-Meier method using the t-distribution cutoff value
95% KM (Chebyshev) UCL = UCL based on Kaplan-Meier method using the Chebyshev inequality

[b] Mean calculated using KM method

Table 9. Outdoor and Indoor Air EPCs

Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration ($\mu g/m^3$)	Arithmetic Mean Detected Concentration ($\mu g/m^3$)	Standard Deviation ($\mu g/m^3$)	95% UCL[a] ($\mu g/m^3$)	UCL Statistic[a]	Selected Exposure Point Concentration		
							Value	Units	Rationale[a]
Arsenic	295 / 390	0.103	0.005	0.009	0.0059	95% KM Chebyshev UCL	0.0059	$\mu g/m^3$	UCL-NP
Cadmium	170 / 390	0.0335	0.002	0.004	0.00201	95% KM Chebyshev UCL	0.00201	$\mu g/m^3$	UCL-NP
Lead	314 / 390	0.45	0.028	0.041	0.0315	95% KM Chebyshev UCL	0.0233	$\mu g/m^3$	KM Mean[b]

[a] Based on recommendations from ProUCL, version 5.1.00 software (EPA, 2015); includes non-detects treated per recommendations for each statistical method:

UCL = Upper confidence limit; UCL-P = Parametric UCL; UCL-NP = Nonparametric UCL

95% KM Chebyshev UCL = UCL based on Kaplan-Meier method using the Chebyshev inequality

[b]Mean calculated using KM method

Table 10. Fish Tissue EPCs by Species

Species	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg ww)	Arithmetic Mean Detected Concentration (mg/kg ww)	Standard Deviation (mg/kg ww)	95% UCL[a] (mg/kg ww)	UCL Statistic[a]	Selected Exposure Point Concentration for both RME and CT risks		
								Value	Units	Rationale[a]
Burbot	4,4'-DDE	6 / 10	0 0013	0 00105	0 000182	0 00102	95% KM (t) UCL	0 00102	mg/kg ww	UCL-NP
	Aluminum	11 / 26	1 76	0 811	0 493	0 697	95% KM (t) UCL	0 697	mg/kg ww	UCL-NP
	Antimony	5 / 26	0 109	0 0264	0 0466	0 0277	Gamma Adjusted KM-UCL	0 0277	mg/kg ww	UCL-NP
	Inorganic Arsenic	0 / 26	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	bis(2-Ethylhexyl)phthalate	0 / 10	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Chromium	23 / 26	0 24	0 053	0 0547	0 0625	KM H-UCL	0 0625	mg/kg ww	UCL-NP
	Dieldrin	0 / 10	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Heptachlor epoxide	0 / 10	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Hexachlorobenzene	0 / 10	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Lead	18 / 26	0 0838	0 0234	0 016	0 0237	KM Student's t	0 0213	mg/kg ww	KM Mean [b]
	Mercury	26 / 26	0 292	0 232	0 0377	0 245	95% Student's-t UCL	0 245	mg/kg ww	UCL-P
	PBDE_cong_47	10 / 10	0 00248	0 0012	0 000669	0 00159	95% Student's-t UCL	0 00159	mg/kg ww	UCL-P
	Selenium	26 / 26	0 528	0 331	0 0771	0 357	95% Student's-t UCL	0 357	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=0)	26 / 26	1 34E-08	7 04E-09	3 51E-09	8 22E-09	95% Student's-t UCL	8 22E-09	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=1/2DL)	26 / 26	0 000000792	0 000000352	0 000000294	0 000000604	95% Chebyshev (Mean, Sd) UCL	0 000000604	mg/kg ww	UCL-NP
	TEQ - Dioxins/Furans (ND=0)	23 / 26	7 83E-08	2 96E-08	1 56E-08	3 38E-08	95% KM Adjusted Gamma UCL	3 38E-08	mg/kg ww	UCL-NP
	TEQ - Dioxins/Furans (ND=1/2DL)	23 / 26	0 000000514	0 000000247	0 000000122	0 000000275	95% KM (t) UCL	0 000000275	mg/kg ww	UCL-NP
	Thallium	15 / 26	0 0123	0 0076	0 00224	0 00733	95% KM (t) UCL	0 00733	mg/kg ww	UCL-NP
	Total PCBs (non-dioxin-like congeners;ND=0)	26 / 26	0 00308	0 00164	0 000757	0 00189	95% Student's-t UCL	0 00189	mg/kg ww	UCL-P
	Zirconium	1 / 10	0 00214	0 00214	N/A	N/A	N/A	0 00214	mg/kg ww	Maximum
Kokanee	4,4'-DDE	12 / 12	0 0036	0 00204	0 000651	0 00237	95% Student's-t UCL	0 00237	mg/kg ww	UCL-P
	Aluminum	30 / 35	2 25	0 617	0 344	0 698	95% KM Adjusted Gamma UCL	0 698	mg/kg ww	UCL-NP
	Antimony	30 / 35	0 0348	0 00852	0 00703	0 0106	95% GROS Adjusted Gamma UCL	0 0106	mg/kg ww	UCL-P
	Inorganic Arsenic[c]	13 / 35	0 00556	0 00417	0 000782	0 00387	95% KM (t) UCL	0 00387	mg/kg ww	UCL-P
	bis(2-Ethylhexyl)phthalate	0 / 12	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Chromium	26 / 35	0 184	0 0667	0 0425	0 0665	95% KM (t) UCL	0 0665	mg/kg ww	UCL-NP
	Dieldrin	2 / 12	0 00027	0 00025	0 0000283	N/A	N/A	0 00027	mg/kg ww	Maximum
	Heptachlor epoxide	0 / 12	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Hexachlorobenzene	12 / 12	0 0029	0 000996	0 000656	0 00136	95% Modified-t UCL	0 00136	mg/kg ww	UCL-P
	Lead	22 / 35	0 0203	0 00467	0 00383	0 00639	95% KM (Chebyshev) UCL	0 00397	mg/kg ww	KM Mean [b]
	Mercury	35 / 35	0 0753	0 0634	0 00608	0 0652	95% Student's-t UCL	0 0652	mg/kg ww	UCL-P
	PBDE_cong_47	12 / 12	0 00333	0 00239	0 000508	0 00265	95% Student's-t UCL	0 00265	mg/kg ww	UCL-P
	Selenium	35 / 35	0 529	0 265	0 0673	0 286	95% Adjusted Gamma UCL	0 286	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=0)	35 / 35	0 000000277	2 26E-08	4 44E-08	5 54E-08	95% Chebyshev (Mean, Sd) UCL	5 54E-08	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=1/2DL)	35 / 35	0 000000315	0 000000179	0 000000024	0 000000187	95% Modified-t UCL	0 000000187	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=0)	35 / 35	9 33E-08	6 78E-08	9 32E-09	7 05E-08	95% Student's-t UCL	7 05E-08	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=1/2DL)	35 / 35	0 000000566	0 000000343	0 000000113	0 000000375	95% Student's-t UCL	0 000000375	mg/kg ww	UCL-P
	Thallium	33 / 35	0 0354	0 0287	0 00324	0 0294	95% KM (t) UCL	0 0294	mg/kg ww	UCL-NP
	Total PCBs (non-dioxin-like congeners;ND=0)	35 / 35	0 0117	0 00727	0 00157	0 00772	95% Student's-t UCL	0 00772	mg/kg ww	UCL-P
	Zirconium	5 / 12	0 0248	0 00774	0 00985	0 00763	95% KM (t) UCL	0 00763	mg/kg ww	UCL-NP

Table 10. Fish Tissue EPCs by Species

Species	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg ww)	Arithmetic Mean Detected Concentration (mg/kg ww)	Standard Deviation (mg/kg ww)	95% UCL[a] (mg/kg ww)	UCL Statistic[a]	Selected Exposure Point Concentration for both RME and CT risks		
								Value	Units	Rationale[a]
Northern Pike	Aluminum	8 / 12	0 81	0 382	0 265	0 434	95% KM (t) UCL	0 434	mg/kg ww	UCL-NP
	Antimony	2 / 12	0 00103	0 00103	0 00000707	0 00103	95% KM (t) UCL	0 00103	mg/kg ww	UCL-NP
	Inorganic Arsenic	0 12	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Chromium	12 / 12	0 177	0 0911	0 0446	0 114	95% Student's-t UCL	0 114	mg/kg ww	UCL-P
	Lead	12 / 12	0 0196	0 00355	0 00508	0 00994	95% Chebyshev (Mean, Sd) UCL	0 00355	mg/kg ww	KM Mean [b]
	Mercury	12 / 12	0 211	0 0962	0 0415	0 122	95% Adjusted Gamma UCL	0 122	mg/kg ww	UCL-P
	Selenium	12 / 12	0 772	0 56	0 168	0 647	95% Student's-t UCL	0 647	mg/kg ww	UCL-P
	Thallium	12 / 12	0 0153	0 012	0 00201	0 0131	95% Student's-t UCL	0 0131	mg/kg ww	UCL-P
Rainbow Trout	4,4'-DDE	12 / 12	0 018	0 00455	0 00472	0 00755	95% H-UCL	0 00755	mg/kg ww	UCL-P
	Aluminum	34 / 51	1 43	0 616	0 243	0 667	95% KM (t) UCL	0 667	mg/kg ww	UCL-NP
	Antimony	25 / 51	0 0521	0 0121	0 0117	0 0129	95% GROS Approximate Gamma UCL	0 0129	mg/kg ww	UCL-P
	Inorganic Arsenic[c]	33 / 51	0 00611	0 00406	0 00113	0 00398	95% KM (t) UCL	0 00398	mg/kg ww	UCL-NP
	bis(2-Ethylhexyl)phthalate	0 / 12	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Chromium	41 / 51	0 721	0 184	0 209	0 273	95% KM (Chebyshev) UCL	0 273	mg/kg ww	UCL-NP
	Dieldrin	2 / 12	0 00023	0 00022	0 0000141	N/A	N/A	0 00023	mg/kg ww	Maximum
	Heptachlor epoxide	0 / 12	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Hexachlorobenzene	10 / 12	0 0021	0 0013	0 000354	0 00146	95% KM (t) UCL	0 00146	mg/kg ww	UCL-NP
	Lead	32 / 51	0 0765	0 0323	0 024	0 0361	95% KM (Chebyshev) UCL	0 0216	mg/kg ww	KM Mean [b]
	Mercury	51 / 51	0 133	0 0792	0 0233	0 0847	95% Student's-t UCL	0 0847	mg/kg ww	UCL-P
	PBDE cong 47	12 / 12	0 0128	0 00577	0 00372	0 0077	95% Student's-t UCL	0 0077	mg/kg ww	UCL-P
	Selenium	51 / 51	0 609	0 315	0 0964	0 339	95% Approximate Gamma UCL	0 339	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=0)	40 / 40	0 0000015	0 000000297	0 000000371	0 000000553	95% Chebyshev (Mean, Sd) UCL	0 000000553	mg/kg ww	UCL-NP
	TEQ - DL PCBs (ND=1/2DL)	40 / 40	0 0000015	0 00000039	0 000000311	0 000000604	95% Chebyshev (Mean, Sd) UCL	0 000000604	mg/kg ww	UCL-NP
	TEQ - Dioxins/Furans (ND=0)	48 / 51	0 00000038	0 000000132	9 96E-08	0 000000152	95% KM Approximate Gamma UCL	0 000000152	mg/kg ww	UCL-NP
	TEQ - Dioxins/Furans (ND=1/2DL)	48 / 51	0 000000939	0 000000311	0 000000221	0 000000356	KM H-UCL	0 000000356	mg/kg ww	UCL-NP
	Thallium	36 / 51	0 0424	0 0232	0 00623	0 025	95% KM (t) UCL	0 025	mg/kg ww	UCL-NP
	Total PCBs (aroclors;ND=0)	15 / 15	0 0366	0 0132	0 00912	0 0187	95% Adjusted Gamma UCL	0 0187	mg/kg ww	UCL-P
	Total PCBs (non-dioxin-like congeners;ND=0)	40 / 40	0 0507	0 0137	0 0105	0 021	95% Chebyshev (Mean, Sd) UCL	0 021	mg/kg ww	UCL-NP
	Zirconium	5 / 10	0 00972	0 00636	0 00312	0 00586	95% KM (t) UCL	0 00586	mg/kg ww	UCL-NP

Table 10. Fish Tissue EPCs by Species

Species	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg ww)	Arithmetic Mean Detected Concentration (mg/kg ww)	Standard Deviation (mg/kg ww)	95% UCL[a] (mg/kg ww)	UCL Statistic[a]	Selected Exposure Point Concentration for both RME and CT risks		
								Value	Units	Rationale[a]
Smallmouth bass	4,4'-DDE	7 / 10	0 0054	0 00293	0 00128	0 0032	95% KM (t) UCL	0 0032	mg/kg ww	UCL-NP
	Aluminum	18 / 24	1 01	0 524	0 182	0 548	KM Student's t	0 548	mg/kg ww	UCL-NP
	Antimony	16 / 24	0 0168	0 00897	0 00455	0 00932	95% KM (t) UCL	0 00932	mg/kg ww	UCL-NP
	Inorganic Arsenic[c]	13 / 24	0 00855	0 00549	0 00172	0 0051	95% KM (t) UCL	0 0051	mg/kg ww	UCL-NP
	bis(2-Ethylhexyl)phthalate	0 / 10	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Chromium	23 / 24	0 414	0 0837	0 0868	0 111	KM H-UCL	0 111	mg/kg ww	UCL-NP
	Dieldrin	0 / 10	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Heptachlor epoxide	0 / 10	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Hexachlorobenzene	2 / 10	0 001	0 000805	0 000276	N/A	N/A	0 001	mg/kg ww	Maximum
	Lead	10 / 24	0 0573	0 039	0 0184	0 0373	95% KM (Chebyshev) UCL	0 0168	mg/kg ww	KM Mean[b]
	Mercury	87 / 87	0 41	0 162	0 0593	0 173	95% Approximate Gamma UCL	0 173	mg/kg ww	UCL-P
	PBDE_cong_47	9 / 9	0 0134	0 00406	0 00368	0 00745	95% Adjusted Gamma UCL	0 00745	mg/kg ww	UCL-P
	Selenium	22 / 24	0 853	0 41	0 178	0 471	95% KM Adjusted Gamma UCL	0 471	mg/kg ww	UCL-NP
	TEQ - DL PCBs (ND=0)	24 / 24	0 000000536	4 75E-08	0 000000123	0 000000157	95% Chebyshev (Mean, Sd) UCL	0 000000157	mg/kg ww	UCL-NP
	TEQ - DL PCBs (ND=1/2DL)	24 / 24	0 000000836	0 000000481	0 000000306	0 000000753	95% Chebyshev (Mean, Sd) UCL	0 000000753	mg/kg ww	UCL-NP
	TEQ - Dioxins/Furans (ND=0)	24 / 24	6 36E-08	2 51E-08	0 000000013	2 96E-08	95% Student's-t UCL	2 96E-08	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=1/2DL)	24 / 24	0 000000755	0 000000158	0 000000167	0 000000307	95% Chebyshev (Mean, Sd) UCL	0 000000307	mg/kg ww	UCL-NP
	Thallium	19 / 24	0 037	0 0243	0 00789	0 0258	95% KM Adjusted Gamma UCL	0 0258	mg/kg ww	UCL-NP
	Total PCBs (non-dioxin-like congeners;ND=0)	24 / 24	0 0265	0 00557	0 00493	0 0072	95% Adjusted Gamma UCL	0 0072	mg/kg ww	UCL-P
	Zirconium	2 / 10	0 00173	0 00136	0 000515	N/A	N/A	0 00173	mg/kg ww	Maximum
Sturgeon	Aluminum	6 / 9	1 23	0 644	0 303	0 712	95% KM (t) UCL	0 712	mg/kg ww	UCL-NP
	Antimony	0 / 9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	All ND
	Inorganic Arsenic	0 / 9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	All ND
	Chromium	9 / 9	0 143	0 0713	0 0363	0 0938	95% Student's-t UCL	0 0938	mg/kg ww	UCL-P
	Lead	9 / 9	0 0111	0 00504	0 00241	0 007	95% Adjusted Gamma UCL	0 00504	mg/kg ww	KM Mean[b]
	Mercury	9 / 9	0 108	0 0822	0 0201	0 0946	95% Student's-t UCL	0 0946	mg/kg ww	UCL-P
	PBDE_cong_47	9 / 9	0 00354	0 00187	0 000835	0 00238	95% Student's-t UCL	0 00238	mg/kg ww	UCL-P
	Selenium	9 / 9	1 23	1 06	0 137	1 14	95% Student's-t UCL	1 14	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=0)	9 / 9	0 000000229	0 00000014	5 95E-08	0 000000177	95% Student's-t UCL	0 000000177	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=1/2DL)	9 / 9	0 000000229	0 00000014	5 95E-08	0 000000177	95% Student's-t UCL	0 000000177	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=0)	9 / 9	0 000000192	0 000000104	0 000000051	0 000000136	95% Student's-t UCL	0 000000136	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=1/2DL)	9 / 9	0 00000029	0 000000204	5 06E-08	0 000000235	95% Student's-t UCL	0 000000235	mg/kg ww	UCL-P
	Thallium	9 / 9	0 0042	0 00332	0 000834	0 00384	95% Student's-t UCL	0 00384	mg/kg ww	UCL-P
	Total PCBs (non-dioxin-like congeners;ND=0)	9 / 9	0 0121	0 00723	0 00239	0 00871	95% Student's-t UCL	0 00871	mg/kg ww	UCL-P

Table 10. Fish Tissue EPCs by Species

Species	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg ww)	Arithmetic Mean Detected Concentration (mg/kg ww)	Standard Deviation (mg/kg ww)	95% UCL[a] (mg/kg ww)	UCL Statistic[a]	Selected Exposure Point Concentration for both RME and CT risks		
								Value	Units	Rationale[a]
Sucker	4,4'-DDE	15 / 16	0 052	0 0119	0 0127	0 0167	95% KM (t) UCL	0 0167	mg/kg ww	UCL-NP
	Aluminum	23 / 43	3 25	1 36	0 815	1 11	95% KM (t) UCL	1 11	mg/kg ww	UCL-NP
	Antimony	22 / 43	0 027	0 00839	0 00671	0 0106	95% GROS Adjusted Gamma UCL	0 0106	mg/kg ww	UCL-P
	Inorganic Arsenic[c]	22 / 43	0 0118	0 00569	0 00178	0 00492	95% KM (BCA) UCL	0 00492	mg/kg ww	UCL-NP
	bis(2-Ethylhexyl)phthalate	2 / 16	0 49	0 38	0 156	N/A	N/A	0 49	mg/kg ww	Maximum
	Chromium	32 / 43	0 569	0 107	0 12	0 112	KM H-UCL	0 112	mg/kg ww	UCL-NP
	Dieldrin	1 / 16	0 000253	0 000253	N/A	N/A	N/A	0 000253	mg/kg ww	Maximum
	Heptachlor epoxide	4 / 16	0 00077	0 000523	0 00024	0 000368	95% KM (t) UCL	0 000368	mg/kg ww	UCL-NP
	Hexachlorobenzene	15 / 16	0 00363	0 00182	0 000934	0 00215	95% KM (t) UCL	0 00215	mg/kg ww	UCL-NP
	Lead	35 / 43	0 775	0 163	0 19	0 199	Gamma Adjusted KM-UCL	0 135	mg/kg ww	KM Mean[b]
	Mercury	43 / 43	0 584	0 256	0 156	0 296	95% Student's-t UCL	0 296	mg/kg ww	UCL-P
	PBDE cong 47	16 / 16	0 0501	0 0213	0 0153	0 028	95% Student's-t UCL	0 028	mg/kg ww	UCL-P
	Selenium	40 / 43	0 552	0 278	0 0787	0 296	95% KM (t) UCL	0 296	mg/kg ww	UCL-NP
	TEQ - DL PCBs (ND=0)	43 / 43	0 00000238	0 000000725	0 000000628	0 00000101	95% Adjusted Gamma UCL	0 00000101	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=1/2DL)	43 / 43	0 00000238	0 000000919	0 000000499	0 00000107	95% Adjusted Gamma UCL	0 00000107	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=0)	43 / 43	0 000000646	0 000000159	0 000000149	0 000000204	95% Adjusted Gamma UCL	0 000000204	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=1/2DL)	43 / 43	0 00000083	0 000000298	0 000000191	0 000000356	95% Adjusted Gamma UCL	0 000000356	mg/kg ww	UCL-P
	Thallium	38 / 43	0 0356	0 0126	0 00643	0 0134	95% KM (t) UCL	0 0134	mg/kg ww	UCL-NP
	Total PCBs (non-dioxin-like congeners;ND=0)	43 / 43	0 217	0 0457	0 0468	0 0596	95% Adjusted Gamma UCL	0 0596	mg/kg ww	UCL-P
	Zirconium	6 / 16	0 0061	0 00266	0 00196	0 00225	95% KM (t) UCL	0 00225	mg/kg ww	UCL-NP
Walleye	4,4'-DDE	12 / 12	0 0015	0 00113	0 000291	0 00128	95% Student's-t UCL	0 00128	mg/kg ww	UCL-P
	Aluminum	32 / 50	280	9 41	49 4	30 8	95% KM (Chebyshev) UCL	30 8	mg/kg ww	UCL-NP
	Antimony	21 / 50	0 0293	0 0116	0 00724	0 011	95% KM (t) UCL	0 011	mg/kg ww	UCL-NP
	Inorganic Arsenic[c]	38 / 50	0 00984	0 00538	0 00141	0 00528	95% KM (t) UCL	0 00528	mg/kg ww	UCL-NP
	bis(2-Ethylhexyl)phthalate	1 / 12	0 22	0 22	N/A	N/A	N/A	0 22	mg/kg ww	Maximum
	Chromium	49 / 50	0 9	0 197	0 207	0 321	95% KM (Chebyshev) UCL	0 321	mg/kg ww	UCL-NP
	Dieldrin	0 / 12	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Heptachlor epoxide	0 / 12	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Hexachlorobenzene	1 / 12	0 0012	0 0012	N/A	N/A	N/A	0 0012	mg/kg ww	Maximum
	Lead	33 / 50	0 0624	0 0373	0 0148	0 0384	95% KM (Chebyshev) UCL	0 026	mg/kg ww	KM Mean[b]
	Mercury	265 / 265	0 487	0 172	0 0717	0 179	95% Approximate Gamma UCL	0 179	mg/kg ww	UCL-P
	PBDE_cong_47	12 / 12	0 00468	0 00297	0 00103	0 00351	95% Student's-t UCL	0 00351	mg/kg ww	UCL-P
	Selenium	50 / 50	0 57	0 341	0 0842	0 361	95% Student's-t UCL	0 361	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=0)	39 / 39	0 0000003	0 000000028	5 67E-08	6 76E-08	95% Chebyshev (Mean, Sd) UCL	6 76E-08	mg/kg ww	UCL-NP
	TEQ - DL PCBs (ND=1/2DL)	39 / 39	0 000000317	0 000000178	3 49E-08	0 000000187	95% Modified-t UCL	0 000000187	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=0)	40 / 50	7 96E-08	2 42E-08	2 13E-08	4 95E-08	99% KM (Chebyshev) UCL	4 95E-08	mg/kg ww	UCL-NP
	TEQ - Dioxins/Furans (ND=1/2DL)	40 / 50	0 000000412	0 000000225	9 21E-08	0 000000242	95% KM (t) UCL	0 000000242	mg/kg ww	UCL-NP
	Thallium	37 / 50	0 0739	0 0355	0 0147	0 0368	95% KM (t) UCL	0 0368	mg/kg ww	UCL-NP
	Total PCBs (aroclors;ND=0)	15 / 15	0 014	0 00391	0 00294	0 00505	95% H-UCL	0 00505	mg/kg ww	UCL-P
	Total PCBs (non-dioxin-like congeners;ND=0)	39 / 39	0 0113	0 00568	0 00208	0 00624	95% Student's-t UCL	0 00624	mg/kg ww	UCL-P
	Zirconium	5 / 12	0 191	0 0914	0 0915	0 0786	95% KM (t) UCL	0 0786	mg/kg ww	UCL-NP

Table 10. Fish Tissue EPCs by Species

Species	Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg ww)	Arithmetic Mean Detected Concentration (mg/kg ww)	Standard Deviation (mg/kg ww)	95% UCL[a] (mg/kg ww)	UCL Statistic[a]	Selected Exposure Point Concentration for both RME and CT risks		
								Value	Units	Rationale[a]
Whitefish	4,4'-DDE	9 / 9	0 0076	0 00467	0 00173	0 00574	95% Student's-t UCL	0 00574	mg/kg ww	UCL-P
	Aluminum	16 / 23	6 42	1 43	1 48	1 86	95% KM Adjusted Gamma UCL	1 86	mg/kg ww	UCL-NP
	Antimony	13 / 23	0 0159	0 00452	0 00361	0 00613	95% KM (Chebyshev) UCL	0 00613	mg/kg ww	UCL-NP
	Inorganic Arsenic[c]	9 / 23	0 0123	0 00783	0 0027	0 00716	95% KM (t) UCL	0 00716	mg/kg ww	UCL-NP
	bis(2-Ethylhexyl)phthalate	0 / 9	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	All ND
	Chromium	3 / 23	0 0512	0 034	0 0148	N/A	N/A	0 0512	mg/kg ww	Maximum
	Dieldrin	6 / 9	0 00044	0 000312	0 0000752	0 000327	95% KM (t) UCL	0 000327	mg/kg ww	UCL-NP
	Heptachlor epoxide	2 / 9	0 00045	0 00036	0 000127	N/A	N/A	0 00045	mg/kg ww	Maximum
	Hexachlorobenzene	8 / 9	0 0036	0 00208	0 000973	0 00257	95% KM (t) UCL	0 00257	mg/kg ww	UCL-NP
	Lead	20 / 23	0 0215	0 0097	0 00419	0 0105	95% KM (t) UCL	0 00892	mg/kg ww	KM Mean[b]
	Mercury	23 / 23	0 141	0 0885	0 0245	0 0973	95% Student's-t UCL	0 0973	mg/kg ww	UCL-P
	PBDE cong 47	9 / 9	0 0243	0 0135	0 00746	0 0182	95% Student's-t UCL	0 0182	mg/kg ww	UCL-P
	Selenium	22 / 23	0 393	0 279	0 0819	0 303	95% KM (t) UCL	0 303	mg/kg ww	UCL-NP
	TEQ - DL PCBs (ND=0)	23 / 23	0 00000187	0 000000666	0 000000345	0 000000789	95% Student's-t UCL	0 000000789	mg/kg ww	UCL-P
	TEQ - DL PCBs (ND=1/2DL)	23 / 23	0 00000188	0 000000706	0 00000031	0 000000819	95% Adjusted Gamma UCL	0 000000819	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=0)	23 / 23	0 000000986	0 000000483	0 000000228	0 000000564	95% Student's-t UCL	0 000000564	mg/kg ww	UCL-P
	TEQ - Dioxins/Furans (ND=1/2DL)	23 / 23	0 00000106	0 000000602	0 000000227	0 000000684	95% Modified-t UCL	0 000000684	mg/kg ww	UCL-P
	Thallium	21 / 23	0 0289	0 0152	0 00491	0 0164	95% KM (t) UCL	0 0164	mg/kg ww	UCL-NP
	Total PCBs (non-dioxin-like congeners;ND=0)	23 / 23	0 0499	0 0198	0 00935	0 0234	95% Adjusted Gamma UCL	0 0234	mg/kg ww	UCL-P
	Zirconium	4 / 9	0 0146	0 00467	0 00661	0 0128	Gamma Adjusted KM-UCL	0 0128	mg/kg ww	UCL-NP

N/A = not applicable; ND = not detected; UCL = Upper confidence limit; UCL-P = Parametric UCL; UCL-NP = Nonparametric UCL

[a] Based on recommendations from ProUCL, version 5 1 00 software (EPA 2015); includes non-detects treated per recommendations for each statistical method:
Adjusted Gamma UCL assumes approximate gamma distribution
Approximate Gamma UCL assumes approximate gamma distribution
Chebyshev (Mean, Sd) UCL obtained using classical sample mean and standard deviation
GROS Adjusted Gamma UCL based on the ROS method for a gamma distribution
GROS Approximate Gamma UCL based on the ROS method for a gamma distribution
H-UCL based on Land's H-statistic; assumes lognormality
KM (Chebyshev) UCL based on Kaplan-Meier method using the Chebyshev inequality
KM (t) UCL based on Kaplan-Meier method using the t-distribution cutoff value
KM Adjusted Gamma UCL based on Kaplan-Meier method adjusted for level significance
KM Approximate Gamma UCL based on Kaplan-Meier method using chi-square approximation
KM H-UCL based on Kaplan-Meier method and Land's H-Statistic
KM Student's t based on Kaplan-Meier method using Student's t-distribution
Modified-t UCL modified for skewness
Student's t UCL based on Student's t-distribution

[b] Mean calculated using KM method

[c] Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

Table 11. Tribal Allotment Soil and Sediment EPCs

DU	SRC_DU_ID	DU Type	Media	analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation	T-statistic UCL or CF*result[b]	Selected EPC for both RME and CTE risks		
										Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
258	193	Tribal Allotment	Soil/Dust[c]	Aluminum	3 / 3	20200	19400	985	21100	17600	21100	t-statistic 95UCL
				Antimony	3 / 3	11.6	10.6	0.931	12.2	10.2	12.2	t-statistic 95UCL
				Arsenic	3 / 3	48.9	46.8	2.99	51.9	--	51.9	t-statistic 95UCL
				RBA Adjusted Arsenic	3 / 3	13.3	12.8	0.816	14.1	11.8	--	t-statistic 95UCL
				Cadmium	3 / 3	18.4	17.2	1.16	19.1	16	19.1	t-statistic 95UCL
				Chromium	3 / 3	12.2	12	0.153	12.3	10.3	12.3	t-statistic 95UCL
				Cobalt	3 / 3	5.62	5.45	0.158	5.71	4.77	5.71	t-statistic 95UCL
				Iron	3 / 3	14400	14300	231	14700	12200	14700	t-statistic 95UCL
				RBA Adjusted Lead	3 / 3	864	768	102	--	768	--	Mean
				Manganese	3 / 3	777	736	39.6	802	670	802	t-statistic 95UCL
				Nickel	3 / 3	10.9	10.7	0.153	11	9.18	11	t-statistic 95UCL
				Thallium	3 / 3	0.566	0.537	0.0359	0.598	0.499	0.598	t-statistic 95UCL
				Vanadium	3 / 3	24.7	24.1	0.493	25	20.8	25	t-statistic 95UCL
259	194	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	15600	15600	--	18700	15600	18700	IC sample adjusted by CF
				Antimony	1 / 1	3 15	3.15	--	3.78	3.16	3.78	IC sample adjusted by CF
				Arsenic	1 / 1	19.7	19.7	--	23.6	--	23.6	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	5.43	5.43	--	6.52	5.44	--	IC sample adjusted by CF
				Cadmium	1 / 1	5.73	5.73	--	6.88	5.74	6.88	IC sample adjusted by CF
				Chromium	1 / 1	14.7	14.7	--	17.6	14.7	17.6	IC sample adjusted by CF
				Cobalt	1 / 1	5 27	5.27	--	6.32	5.28	6.32	IC sample adjusted by CF
				Iron	1 / 1	14800	14800	--	17800	14800	17800	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	241	241	--	--	241	--	Mean
				Manganese	1 / 1	510	510	--	612	511	612	IC sample adjusted by CF
				Nickel	1 / 1	11.5	11.5	--	13.8	11.5	13.8	IC sample adjusted by CF
				Thallium	1 / 1	0.287	0.287	--	0.344	0 288	0.344	IC sample adjusted by CF
				Vanadium	1 / 1	26.2	26.2	--	31.4	26.3	31.4	IC sample adjusted by CF
401	195	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	26100	26100	--	31300	26200	31300	IC sample adjusted by CF
				Antimony	1 / 1	15.7	15.7	--	18.8	15.7	18.8	IC sample adjusted by CF
				Arsenic	1 / 1	80.8	80.8	--	97	81	97	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	21.1	21.1	--	25.4	21.2	25.4	IC sample adjusted by CF
				Cadmium	1 / 1	20.5	20.5	--	24.6	20.5	24.6	IC sample adjusted by CF
				Chromium	1 / 1	16.7	16.7	--	20	16.7	20	IC sample adjusted by CF
				Cobalt	1 / 1	7 28	7.28	--	8.74	7.29	8.74	IC sample adjusted by CF
				Iron	1 / 1	19600	19600	--	23500	19600	23500	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	1100	1100	--	--	1100	--	Mean
				Manganese	1 / 1	947	947	--	1140	949	1140	IC sample adjusted by CF
				Nickel	1 / 1	13.9	13.9	--	16.7	13.9	16.7	IC sample adjusted by CF
				Thallium	1 / 1	0.792	0.792	--	0.95	0.794	0.95	IC sample adjusted by CF
				Vanadium	1 / 1	34.2	34.2	--	41	34.3	41	IC sample adjusted by CF

Table 11. Tribal Allotment Soil and Sediment EPCs

DU	SRC_DU_ID	DU Type	Media	analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation	T-statistic UCL or CF*result[b]	Selected EPC for both RME and CTE risks		
										Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
402	196	Tribal Allotment	Soil/Dust[c]	Aluminum	3 / 3	14400	14200	208	14500	12100	14500	t-statistic 95UCL
				Antimony	3 / 3	7.14	6.74	0.453	7.51	6.27	7.51	t-statistic 95UCL
				Arsenic	3 / 3	37	34.3	2.39	38.3	--	38.3	t-statistic 95UCL
				RBA Adjusted Arsenic	3 / 3	10.2	9.45	0.658	10.6	8.81	--	t-statistic 95UCL
				Cadmium	3 / 3	10.4	9.74	0.576	10.7	8.94	10.7	t-statistic 95UCL
				Chromium	3 / 3	17.2	16.3	0.9	17.8	14.9	17.8	t-statistic 95UCL
				Cobalt	3 / 3	5.64	5.43	0.226	5.81	4.85	5.81	t-statistic 95UCL
				Iron	3 / 3	16000	15600	361	16200	13500	16200	t-statistic 95UCL
				RBA Adjusted Lead	3 / 3	617	578	46.5	--	578	--	Mean
				Manganese	3 / 3	560	558	2.08	561	469	561	t-statistic 95UCL
				Nickel	3 / 3	13.3	12.7	0.513	13.6	11.4	13.6	t-statistic 95UCL
				Thallium	3 / 3	0.548	0.498	0.0448	0.573	0.479	0.573	t-statistic 95UCL
				Vanadium	3 / 3	27	25.8	1.15	27.8	23.2	27.8	t-statistic 95UCL
403	197	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	12800	12800	--	15400	12800	15400	IC sample adjusted by CF
				Antimony	1 / 1	4.08	4.08	--	4.9	4.09	4.9	IC sample adjusted by CF
				Arsenic	1 / 1	26	26	--	31.2	--	31 2	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	7 17	7.17	--	8.6	7.18	--	IC sample adjusted by CF
				Cadmium	1 / 1	9 37	9.37	--	11.2	9.39	11 2	IC sample adjusted by CF
				Chromium	1 / 1	28.8	28.8	--	34.6	28.9	34.6	IC sample adjusted by CF
				Cobalt	1 / 1	8.02	8.02	--	9.62	8.04	9.62	IC sample adjusted by CF
				Iron	1 / 1	19200	19200	--	23000	19200	23000	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	420	420	--	--	420	--	Mean
				Manganese	1 / 1	714	714	--	857	715	857	IC sample adjusted by CF
				Nickel	1 / 1	18.9	18.9	--	22.7	18.9	22.7	IC sample adjusted by CF
				Thallium	1 / 1	0.395	0.395	--	0.474	0.396	0.474	IC sample adjusted by CF
				Vanadium	1 / 1	31.8	31.8	--	38.2	31.9	38 2	IC sample adjusted by CF
410	198	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	24000	24000	--	28800	24000	28800	IC sample adjusted by CF
				Antimony	1 / 1	6 33	6.33	--	7.6	6.34	7.6	IC sample adjusted by CF
				Arsenic	1 / 1	35	35	--	42	--	42	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	9.65	9.65	--	11.6	9.67	--	IC sample adjusted by CF
				Cadmium	1 / 1	8.89	8.89	--	10.7	8.91	10.7	IC sample adjusted by CF
				Chromium	1 / 1	14.5	14.5	--	17.4	14.5	17.4	IC sample adjusted by CF
				Cobalt	1 / 1	6.45	6.45	--	7.74	6.46	7.74	IC sample adjusted by CF
				Iron	1 / 1	16300	16300	--	19600	16300	19600	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	394	394	--	--	394	--	Mean
				Manganese	1 / 1	593	593	--	712	594	712	IC sample adjusted by CF
				Nickel	1 / 1	13.5	13.5	--	16.2	13.5	16 2	IC sample adjusted by CF
				Thallium	1 / 1	0.433	0.433	--	0.52	0.434	0.52	IC sample adjusted by CF
				Vanadium	1 / 1	29.7	29.7	--	35.6	29.8	35.6	IC sample adjusted by CF

Table 11. Tribal Allotment Soil and Sediment EPCs

DU	SRC_DU_ID	DU Type	Media	analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation	T-statistic UCL or CF*result[b]	Selected EPC for both RME and CTE risks		
										Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
411	199	Tribal Allotment Beach	Sediment	Aluminum	3 / 3	5910	5790	191	6110	N/A	6110	t-statistic 95UCL
				Antimony	3 / 3	10.5	9.26	1.32	11.5	N/A	11.5	t-statistic 95UCL
				Arsenic	3 / 3	14.2	13.5	0.656	14.6	--	14.6	t-statistic 95UCL
				RBA Adjusted Arsenic	3 / 3	4.6	4.37	0.212	4.73	N/A	--	t-statistic 95UCL
				Cadmium	3 / 3	4.94	4.67	0.231	5.06	N/A	5.06	t-statistic 95UCL
				Chromium	3 / 3	22.1	21.7	0.513	22.5	N/A	22.5	t-statistic 95UCL
				Cobalt	3 / 3	7.24	7.12	0.18	7.42	N/A	7.42	t-statistic 95UCL
				Iron	3 / 3	31500	30600	781	31900	N/A	31900	t-statistic 95UCL
				RBA Adjusted Lead	3 / 3	339	322	16.2	--	322	--	Mean
				Manganese	3 / 3	408	404	6.66	415	N/A	415	t-statistic 95UCL
				Nickel	3 / 3	15	14.7	0.416	15.4	N/A	15.4	t-statistic 95UCL
				Thallium	3 / 3	0.293	0.269	0.0209	0.304	N/A	0.304	t-statistic 95UCL
				Vanadium	3 / 3	31.2	30.6	0.872	32.1	N/A	32 1	t-statistic 95UCL
412	200[d]	Tribal Allotment	Soil/Dust[c]	Aluminum	--	--	--	--	--	11700	14000	Maximum Backfill
				Antimony	--	--	--	--	--	0.626	0.75	Maximum Backfill
				Arsenic	--	--	--	--	--	--	6.6	Maximum Backfill
				RBA Adjusted Arsenic	--	--	--	--	--	1.52	--	Maximum Backfill
				Cadmium	--	--	--	--	--	0.593	0.71	Maximum Backfill
				Chromium	--	--	--	--	--	10	12	Maximum Backfill
				Cobalt	--	--	--	--	--	9.19	11	Maximum Backfill
				Iron	--	--	--	--	--	14200	17000	Maximum Backfill
				RBA Adjusted Lead	--	--	--	--	--	12.8	--	Maximum Backfill
				Manganese	--	--	--	--	--	643	770	Maximum Backfill
				Nickel	--	--	--	--	--	20.9	25	Maximum Backfill
				Thallium	--	--	--	--	--	0.0877	0.105	Maximum Backfill
				Vanadium	--	--	--	--	--	15.9	19	Maximum Backfill
413	201	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	23000	23000	--	27600	23000	27600	IC sample adjusted by CF
				Antimony	1 / 1	8 39	8.39	--	10.1	8.41	10 1	IC sample adjusted by CF
				Arsenic	1 / 1	43.2	43.2	--	51.8	--	51.8	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	11.9	11.9	--	14.3	11.9	--	IC sample adjusted by CF
				Cadmium	1 / 1	12.4	12.4	--	14.9	12.4	14 9	IC sample adjusted by CF
				Chromium	1 / 1	15.4	15.4	--	18.5	15.4	18 5	IC sample adjusted by CF
				Cobalt	1 / 1	6 26	6.26	--	7.51	6.27	7.51	IC sample adjusted by CF
				Iron	1 / 1	16400	16400	--	19700	16400	19700	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	543	543	--	--	543	--	Mean
				Manganese	1 / 1	728	728	--	874	729	874	IC sample adjusted by CF
				Nickel	1 / 1	13	13	--	15.6	13	15.6	IC sample adjusted by CF
				Thallium	1 / 1	0.479	0.479	--	0.575	0.48	0.575	IC sample adjusted by CF
				Vanadium	1 / 1	30.6	30.6	--	36.7	30.7	36.7	IC sample adjusted by CF

Table 11. Tribal Allotment Soil and Sediment EPCs

DU	SRC_DU_ID	DU Type	Media	analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation	T-statistic UCL or CF*result[b]	Selected EPC for both RME and CTE risks		
										Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
420	202	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	26100	26100	--	31300	26200	31300	IC sample adjusted by CF
				Antimony	1 / 1	7.03	7.03	--	8.44	7.04	8.44	IC sample adjusted by CF
				Arsenic	1 / 1	39.9	39.9	--	47.9	--	47.9	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	7.15	7.15	--	8.59	7.17	--	IC sample adjusted by CF
				Cadmium	1 / 1	10.5	10.5	--	12.6	10.5	12.6	IC sample adjusted by CF
				Chromium	1 / 1	13.9	13.9	--	16.7	13.9	16.7	IC sample adjusted by CF
				Cobalt	1 / 1	6.72	6.72	--	8.06	6.73	8.06	IC sample adjusted by CF
				Iron	1 / 1	16200	16200	--	19400	16200	19400	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	518	518	--	--	518	--	Mean
				Manganese	1 / 1	713	713	--	856	714	856	IC sample adjusted by CF
				Nickel	1 / 1	13.4	13.4	--	16.1	13.4	16.1	IC sample adjusted by CF
				Thallium	1 / 1	0.453	0.453	--	0.544	0.454	0.544	IC sample adjusted by CF
				Vanadium	1 / 1	29	29	--	34.8	29.1	34.8	IC sample adjusted by CF
421	203	Tribal Allotment	Soil/Dust[c]	Aluminum	3 / 3	16700	16500	208	16900	14100	16900	t-statistic 95UCL
				Antimony	3 / 3	3.43	3.16	0.256	3.59	3	3.59	t-statistic 95UCL
				Arsenic	3 / 3	15.1	14.7	0.351	15.3	--	15 3	t-statistic 95UCL
				RBA Adjusted Arsenic	3 / 3	4 16	4.06	0.0968	4.22	3.53	--	t-statistic 95UCL
				Cadmium	3 / 3	5.82	5.06	0.68	6.21	5.18	6.21	t-statistic 95UCL
				Chromium	3 / 3	34	33.8	0.265	34.2	28.6	34 2	t-statistic 95UCL
				Cobalt	3 / 3	8.41	8.36	0.0503	8.44	7.05	8.44	t-statistic 95UCL
				Iron	3 / 3	24900	24800	100	25000	20800	25000	t-statistic 95UCL
				RBA Adjusted Lead	3 / 3	364	319	39.4	--	319	--	Mean
				Manganese	3 / 3	292	282	12 5	303	253	303	t-statistic 95UCL
				Nickel	3 / 3	19.5	19.5	N/A	19.5	16.3	19 5	t-statistic 95UCL
				Thallium	3 / 3	0.365	0.345	0.0176	0.375	0.313	0.375	t-statistic 95UCL
				Vanadium	3 / 3	60.3	60	0.289	60.5	50.5	60 5	t-statistic 95UCL
430	204	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	8750	8750	--	10500	8770	10500	IC sample adjusted by CF
				Antimony	1 / 1	2.64	2.64	--	3.17	2.65	3.17	IC sample adjusted by CF
				Arsenic	1 / 1	14.8	14.8	--	17.8	--	17.8	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	4.08	4.08	--	4.9	4.09	--	IC sample adjusted by CF
				Cadmium	1 / 1	5.87	5.87	--	7.04	5.88	7.04	IC sample adjusted by CF
				Chromium	1 / 1	17.5	17.5	--	21	17.5	21	IC sample adjusted by CF
				Cobalt	1 / 1	5 24	5.24	--	6.29	5.25	6.29	IC sample adjusted by CF
				Iron	1 / 1	14700	14700	--	17600	14700	17600	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	262	262	--	--	262	--	Mean
				Manganese	1 / 1	485	485	--	582	486	582	IC sample adjusted by CF
				Nickel	1 / 1	12.8	12.8	--	15.4	12.8	15.4	IC sample adjusted by CF
				Thallium	1 / 1	0.287	0.287	--	0.344	0.288	0.344	IC sample adjusted by CF
				Vanadium	1 / 1	27.2	27.2	--	32.6	27.3	32.6	IC sample adjusted by CF

Table 11. Tribal Allotment Soil and Sediment EPCs

DU	SRC_DU_ID	DU Type	Media	analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation	T-statistic UCL or CF*result[b]	Selected EPC for both RME and CTE risks		
										Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
431	205	Tribal Allotment	Soil/Dust[c]	Aluminum	3 / 3	8110	8020	79.4	8150	6810	8150	t-statistic 95UCL
				Antimony	3 / 3	1.09	1.03	0.0931	1.19	0 992	1.19	t-statistic 95UCL
				Arsenic	3 / 3	8.78	8.37	0.431	9.1	--	9.1	t-statistic 95UCL
				RBA Adjusted Arsenic	3 / 3	2.42	2.31	0.119	2.51	2.09	--	t-statistic 95UCL
				Cadmium	3 / 3	2.54	2.31	0.246	2.72	2.27	2.72	t-statistic 95UCL
				Chromium	3 / 3	19.7	18.8	0.777	20.1	16.8	20.1	t-statistic 95UCL
				Cobalt	3 / 3	5.88	5.73	0.216	6.09	5.09	6.09	t-statistic 95UCL
				Iron	3 / 3	15800	15000	723	16200	13500	16200	t-statistic 95UCL
				RBA Adjusted Lead	3 / 3	118	110	9.54	--	110	--	Mean
				Manganese	3 / 3	303	290	12.2	310	259	310	t-statistic 95UCL
				Nickel	3 / 3	14.3	14	0.361	14.6	12.2	14.6	t-statistic 95UCL
				Thallium	3 / 3	0.205	0.198	0.00702	0.21	0 175	0.21	t-statistic 95UCL
				Vanadium	3 / 3	29.4	28.1	1.22	30.1	25.2	30 1	t-statistic 95UCL
432	206	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	7690	7690	--	9230	7710	9230	IC sample adjusted by CF
				Antimony	1 / 1	2 15	2.15	--	2.58	2.15	2.58	IC sample adjusted by CF
				Arsenic	1 / 1	14.8	14.8	--	17.8	--	17.8	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	5.09	5.09	--	6.1	5.1	--	IC sample adjusted by CF
				Cadmium	1 / 1	4 93	4.93	--	5.92	4.94	5.92	IC sample adjusted by CF
				Chromium	1 / 1	18.5	18.5	--	22.2	18.5	22 2	IC sample adjusted by CF
				Cobalt	1 / 1	6 12	6.12	--	7.34	6.13	7.34	IC sample adjusted by CF
				Iron	1 / 1	15300	15300	--	18400	15300	18400	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	307	307	--	--	307	--	Mean
				Manganese	1 / 1	299	299	--	359	300	359	IC sample adjusted by CF
				Nickel	1 / 1	14.8	14.8	--	17.8	14.8	17.8	IC sample adjusted by CF
				Thallium	1 / 1	0.329	0.329	--	0.395	0.33	0.395	IC sample adjusted by CF
				Vanadium	1 / 1	28.3	28.3	--	34	28.4	34	IC sample adjusted by CF
440	207	Tribal Allotment	Soil/Dust[c]	Aluminum	3 / 3	13800	13600	153	13900	11600	13900	t-statistic 95UCL
				Antimony	3 / 3	1.78	1.71	0.0987	1.88	1.57	1.88	t-statistic 95UCL
				Arsenic	3 / 3	9.3	9.12	0.232	9.52	--	9.52	t-statistic 95UCL
				RBA Adjusted Arsenic	3 / 3	2 56	2.51	0.0641	2.62	2.19	--	t-statistic 95UCL
				Cadmium	3 / 3	3 12	2.98	0.163	3.25	2.71	3.25	t-statistic 95UCL
				Chromium	3 / 3	32.1	31.2	0.862	32.6	27.2	32.6	t-statistic 95UCL
				Cobalt	3 / 3	6.17	6.07	0.146	6.31	5.27	6.31	t-statistic 95UCL
				Iron	3 / 3	17300	17000	416	17700	14800	17700	t-statistic 95UCL
				RBA Adjusted Lead	3 / 3	159	145	11.7	--	145	--	Mean
				Manganese	3 / 3	203	194	8.14	207	173	207	t-statistic 95UCL
				Nickel	3 / 3	15.7	15.5	0.265	15.9	13.3	15.9	t-statistic 95UCL
				Thallium	3 / 3	0 209	0.205	0.00321	0.211	0.176	0.211	t-statistic 95UCL
				Vanadium	3 / 3	35.4	34.2	1 2	36.2	30.2	36.2	t-statistic 95UCL

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										Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
441	208	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	23000	23000	--	27600	23000	27600	IC sample adjusted by CF
				Antimony	1 / 1	6.66	6.66	--	7.99	6.67	7.99	IC sample adjusted by CF
				Arsenic	1 / 1	43.6	43.6	--	52.3	--	52.3	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	14.3	14.3	--	17.2	14.4	--	IC sample adjusted by CF
				Cadmium	1 / 1	15	15	--	18	15	18	IC sample adjusted by CF
				Chromium	1 / 1	20.4	20.4	--	24.5	20.4	24.5	IC sample adjusted by CF
				Cobalt	1 / 1	9.77	9.77	--	11.7	9.79	11.7	IC sample adjusted by CF
				Iron	1 / 1	17900	17900	--	21500	17900	21500	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	738	738	--	--	738	--	Mean
				Manganese	1 / 1	1120	1120	--	1340	1120	1340	IC sample adjusted by CF
				Nickel	1 / 1	19.6	19.6	--	23.5	19.6	23.5	IC sample adjusted by CF
				Thallium	1 / 1	0.51	0.51	--	0.612	0 511	0.612	IC sample adjusted by CF
				Vanadium	1 / 1	32.8	32.8	--	39.4	32.9	39.4	IC sample adjusted by CF
442	209	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	16500	16500	--	19800	16500	19800	IC sample adjusted by CF
				Antimony	1 / 1	3 22	3.22	--	3.86	3.23	3.86	IC sample adjusted by CF
				Arsenic	1 / 1	21.7	21.7	--	26	--	26	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	5 98	5.98	--	7.18	5.99	--	IC sample adjusted by CF
				Cadmium	1 / 1	5.42	5.42	--	6.5	5.43	6.5	IC sample adjusted by CF
				Chromium	1 / 1	30.6	30.6	--	36.7	30.7	36.7	IC sample adjusted by CF
				Cobalt	1 / 1	8.41	8.41	--	10.1	8.43	10 1	IC sample adjusted by CF
				Iron	1 / 1	21100	21100	--	25300	21100	25300	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	259	259	--	--	259	--	Mean
				Manganese	1 / 1	769	769	--	923	771	923	IC sample adjusted by CF
				Nickel	1 / 1	19.1	19.1	--	22.9	19.1	22 9	IC sample adjusted by CF
				Thallium	1 / 1	0.271	0.271	--	0.325	0.272	0.325	IC sample adjusted by CF
				Vanadium	1 / 1	44.1	44.1	--	52.9	44.2	52 9	IC sample adjusted by CF
801-O1	669	Tribal Allotment	Soil/Dust[c]	Aluminum	3 / 3	24000	22900	1630	25600	21400	25600	t-statistic 95UCL
				Antimony	3 / 3	0.929	0.879	0.0437	0.952	0.795	0.952	t-statistic 95UCL
				Arsenic	3 / 3	16.6	15.4	1.2	17.4	--	17.4	t-statistic 95UCL
				RBA Adjusted Arsenic	3 / 3	2.72	2.52	0.197	2.85	2.38	--	t-statistic 95UCL
				Cadmium	3 / 3	1.47	1.33	0.171	1.62	1.35	1.62	t-statistic 95UCL
				Chromium	3 / 3	37.6	35.1	2.67	39.6	33.1	39.6	t-statistic 95UCL
				Cobalt	3 / 3	14.1	13.1	1.05	14.9	12.4	14 9	t-statistic 95UCL
				Iron	3 / 3	26600	25500	1440	28000	23300	28000	t-statistic 95UCL
				RBA Adjusted Lead	3 / 3	29.9	28.9	0.826	--	28.9	--	Mean
				Manganese	3 / 3	800	761	51.8	848	708	848	t-statistic 95UCL
				Nickel	3 / 3	35.6	32.9	2.86	37.7	31.5	37.7	t-statistic 95UCL
				Thallium	3 / 3	0.191	0.177	0.0178	0.207	0.173	0.207	t-statistic 95UCL
				Vanadium	3 / 3	40.2	37.6	2.96	42.6	35.6	42.6	t-statistic 95UCL

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										Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
801-O2	670	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	27500	27500	--	33000	27600	33000	IC sample adjusted by CF
				Antimony	1 / 1	1.74	1.74	--	2.09	1.74	2.09	IC sample adjusted by CF
				Arsenic	1 / 1	22.3	22.3	--	26.8	--	26.8	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	1.02	1.02	--	1.22	1.02	--	IC sample adjusted by CF
				Cadmium	1 / 1	2.05	2.05	--	2.46	2.05	2.46	IC sample adjusted by CF
				Chromium	1 / 1	61.2	61.2	--	73.4	61.3	73.4	IC sample adjusted by CF
				Cobalt	1 / 1	18.7	18.7	--	22.4	18.7	22.4	IC sample adjusted by CF
				Iron	1 / 1	34700	34700	--	41600	34800	41600	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	14.9	14.9	--	--	14.9	--	Mean
				Manganese	1 / 1	1540	1540	--	1850	1540	1850	IC sample adjusted by CF
				Nickel	1 / 1	42.2	42.2	--	50.6	42.3	50.6	IC sample adjusted by CF
				Thallium	1 / 1	0.273	0.273	--	0.328	0 274	0.328	IC sample adjusted by CF
				Vanadium	1 / 1	59.8	59.8	--	71.8	59.9	71.8	IC sample adjusted by CF
801-O3	671	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	18000	18000	--	21600	18000	21600	IC sample adjusted by CF
				Antimony	1 / 1	0.771	0.771	--	0.925	0.773	0.925	IC sample adjusted by CF
				Arsenic	1 / 1	15.1	15.1	--	18.1	--	18 1	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	2.47	2.47	--	2.97	2.48	--	IC sample adjusted by CF
				Cadmium	1 / 1	3.61	3.61	--	4.33	3.62	4.33	IC sample adjusted by CF
				Chromium	1 / 1	29.9	29.9	--	35.9	30	35 9	IC sample adjusted by CF
				Cobalt	1 / 1	11.9	11.9	--	14.3	11.9	14 3	IC sample adjusted by CF
				Iron	1 / 1	23200	23200	--	27800	23200	27800	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	31.1	31.1	--	--	31.1	--	Mean
				Manganese	1 / 1	659	659	--	791	660	791	IC sample adjusted by CF
				Nickel	1 / 1	40.2	40.2	--	48.2	40.3	48 2	IC sample adjusted by CF
				Thallium	1 / 1	0.185	0.185	--	0.222	0.185	0.222	IC sample adjusted by CF
				Vanadium	1 / 1	37.8	37.8	--	45.4	37.9	45.4	IC sample adjusted by CF
802-O1	672	Tribal Allotment	Soil/Dust[c]	Aluminum	3 / 3	12600	12400	208	12800	10700	12800	95% t-statistic UCL
				Antimony	3 / 3	2.05	1.88	0.193	2.21	1.84	2.21	95% t-statistic UCL
				Arsenic	3 / 3	13.3	12.4	0.902	13.9	--	13 9	95% t-statistic UCL
				RBA Adjusted Arsenic	3 / 3	2 18	2.02	0.148	2.27	1.9	--	95% t-statistic UCL
				Cadmium	3 / 3	5 19	4.75	0.526	5.64	4.71	5.64	95% t-statistic UCL
				Chromium	3 / 3	18.2	17.8	0.458	18.6	15.5	18.6	95% t-statistic UCL
				Cobalt	3 / 3	6 59	6.37	0.188	6.69	5.59	6.69	95% t-statistic UCL
				Iron	3 / 3	17000	16700	436	17400	14600	17400	95% t-statistic UCL
				RBA Adjusted Lead	3 / 3	162	150	14	150	150	--	Mean
				Manganese	3 / 3	745	725	29.6	775	647	775	95% t-statistic UCL
				Nickel	3 / 3	15.8	15.5	0.265	15.9	13.3	15 9	95% t-statistic UCL
				Thallium	3 / 3	0.269	0.258	0.0165	0.286	0.239	0.286	95% t-statistic UCL
				Vanadium	3 / 3	28.1	27.3	0.666	28.5	23.8	28 5	95% t-statistic UCL

Table 11. Tribal Allotment Soil and Sediment EPCs

DU	SRC_DU_ID	DU Type	Media	analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation	T-statistic UCL or CF*result[b]	Selected EPC for both RME and CTE risks		
										Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
803-O1	673	Tribal Allotment	Soil/Dust[c]	Aluminum	3 / 3	10800	10600	173	10900	9090	10900	t-statistic 95UCL
				Antimony	3 / 3	6.45	5.84	0.783	7.16	5.98	7.16	t-statistic 95UCL
				Arsenic	3 / 3	25.8	23.2	2.76	27.8	--	27.8	t-statistic 95UCL
				RBA Adjusted Arsenic	3 / 3	4.22	3.79	0.451	4.55	3.8	--	t-statistic 95UCL
				Cadmium	3 / 3	11.5	10.4	1.11	12.2	10.2	12.2	t-statistic 95UCL
				Chromium	3 / 3	24.2	22.7	1.45	25.1	21	25.1	t-statistic 95UCL
				Cobalt	3 / 3	7.95	7.44	0.495	8.28	6.91	8.28	t-statistic 95UCL
				Iron	3 / 3	18900	18700	208	19000	15900	19000	t-statistic 95UCL
				RBA Adjusted Lead	3 / 3	484	446	50.1	--	446	--	Mean
				Manganese	3 / 3	494	481	11.4	500	418	500	t-statistic 95UCL
				Nickel	3 / 3	18.2	17.2	1.05	18.9	15.8	18.9	t-statistic 95UCL
				Thallium	3 / 3	0.656	0.612	0.0497	0.695	0 581	0.695	t-statistic 95UCL
				Vanadium	3 / 3	41.5	38.8	2.52	43.1	36	43 1	t-statistic 95UCL
803-O2	674	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	9830	9830	--	11800	9850	11800	IC sample adjusted by CF
				Antimony	1 / 1	4.87	4.87	--	5.84	4.88	5.84	IC sample adjusted by CF
				Arsenic	1 / 1	22.7	22.7	--	27.2	--	27 2	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	3.72	3.72	--	4.46	3.72	--	IC sample adjusted by CF
				Cadmium	1 / 1	5 95	5.95	--	7.14	5.96	7.14	IC sample adjusted by CF
				Chromium	1 / 1	20.7	20.7	--	24.8	20.7	24.8	IC sample adjusted by CF
				Cobalt	1 / 1	6 37	6.37	--	7.64	6.38	7.64	IC sample adjusted by CF
				Iron	1 / 1	18400	18400	--	22100	18400	22100	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	315	315	--	--	315	--	Mean
				Manganese	1 / 1	326	326	--	391	327	391	IC sample adjusted by CF
				Nickel	1 / 1	15.5	15.5	--	18.6	15.5	18.6	IC sample adjusted by CF
				Thallium	1 / 1	0.667	0.667	--	0.8	0.668	0.8	IC sample adjusted by CF
				Vanadium	1 / 1	36.6	36.6	--	43.9	36.7	43 9	IC sample adjusted by CF
803-O3	675	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	16500	16500	--	19800	16500	19800	IC sample adjusted by CF
				Antimony	1 / 1	2.86	2.86	--	3.43	2.87	3.43	IC sample adjusted by CF
				Arsenic	1 / 1	17.2	17.2	--	20.6	--	20.6	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	2.82	2.82	--	3.38	2.82	--	IC sample adjusted by CF
				Cadmium	1 / 1	6 55	6.55	--	7.86	6.56	7.86	IC sample adjusted by CF
				Chromium	1 / 1	27.5	27.5	--	33	27.6	33	IC sample adjusted by CF
				Cobalt	1 / 1	9.9	9.9	--	11.9	9.92	11 9	IC sample adjusted by CF
				Iron	1 / 1	21600	21600	--	25900	21600	25900	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	235	235	--	--	235	--	Mean
				Manganese	1 / 1	546	546	--	655	547	655	IC sample adjusted by CF
				Nickel	1 / 1	22.2	22.2	--	26.6	22.2	26.6	IC sample adjusted by CF
				Thallium	1 / 1	0.404	0.404	--	0.485	0.405	0.485	IC sample adjusted by CF
				Vanadium	1 / 1	46	46	--	55.2	46.1	55.2	IC sample adjusted by CF

Table 11. Tribal Allotment Soil and Sediment EPCs

DU	SRC_DU_ID	DU Type	Media	analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation	T-statistic UCL or CF*result[b]	Selected EPC for both RME and CTE risks		
										Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
804-O1	676	Tribal Allotment	Soil/Dust[c]	Aluminum	3 / 3	14600	14400	200	14700	12300	14700	95% t-statistic UCL
				Antimony	3 / 3	1.48	1.4	0.106	1.58	1.32	1.58	95% t-statistic UCL
				Arsenic	3 / 3	7.93	7.74	0.269	8.19	--	8.19	95% t-statistic UCL
				RBA Adjusted Arsenic	3 / 3	1 3	1.27	0.044	1.34	1.12	--	95% t-statistic UCL
				Cadmium	3 / 3	3 2	3.06	0.248	3.48	2.9	3.48	95% t-statistic UCL
				Chromium	3 / 3	30.7	30.6	0.153	30.8	25.7	30.8	95% t-statistic UCL
				Cobalt	3 / 3	8.29	8.22	0.0964	8.38	7	8.38	95% t-statistic UCL
				Iron	3 / 3	21300	21200	173	21500	17900	21500	95% t-statistic UCL
				RBA Adjusted Lead	3 / 3	112	102	14.2	102	102	--	Mean
				Manganese	3 / 3	530	520	10.5	538	449	538	95% t-statistic UCL
				Nickel	3 / 3	20.7	20.6	0.1	20.8	17.3	20.8	95% t-statistic UCL
				Thallium	3 / 3	0.259	0.252	0.00874	0.266	0 222	0.266	95% t-statistic UCL
				Vanadium	3 / 3	35.5	35.3	0.208	35.6	29.7	35.6	95% t-statistic UCL
804-O2	677	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	13800	13800	N/A	16600	13800	16600	Result*CF
				Antimony	1 / 1	4 14	4.14	N/A	4.97	4.15	4.97	Result*CF
				Arsenic	1 / 1	14.9	14.9	N/A	17.9	--	17 9	Result*CF
				RBA Adjusted Arsenic	1 / 1	2.44	2.44	N/A	2.93	2.44	--	Result*CF
				Cadmium	1 / 1	8.8	8.8	N/A	10.6	8.82	10.6	Result*CF
				Chromium	1 / 1	20.2	20.2	N/A	24.2	20.2	24 2	Result*CF
				Cobalt	1 / 1	6 34	6.34	N/A	7.61	6.35	7.61	Result*CF
				Iron	1 / 1	18000	18000	N/A	21600	18000	21600	Result*CF
				RBA Adjusted Lead	1 / 1	254	254	N/A	254	254	--	Mean
				Manganese	1 / 1	421	421	N/A	505	422	505	Result*CF
				Nickel	1 / 1	19	19	N/A	22.8	19	22.8	Result*CF
				Thallium	1 / 1	0.357	0.357	N/A	0.428	0.358	0.428	Result*CF
				Vanadium	1 / 1	34.7	34.7	N/A	41.6	34.8	41.6	Result*CF
805-O1	678	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	17000	17000	N/A	20400	17000	20400	Result*CF
				Antimony	1 / 1	0.882	0.882	N/A	1.06	0.884	1.06	Result*CF
				Arsenic	1 / 1	12.6	12.6	N/A	15.1	--	15 1	Result*CF
				RBA Adjusted Arsenic	1 / 1	2.06	2.06	N/A	2.47	2.07	--	Result*CF
				Cadmium	1 / 1	1.44	1.44	N/A	1.73	1.44	1.73	Result*CF
				Chromium	1 / 1	24.8	24.8	N/A	29.8	24.8	29.8	Result*CF
				Cobalt	1 / 1	9 23	9.23	N/A	11.1	9.25	11 1	Result*CF
				Iron	1 / 1	21200	21200	N/A	25400	21200	25400	Result*CF
				RBA Adjusted Lead	1 / 1	38.2	38.2	N/A	38.2	38.2	--	Mean
				Manganese	1 / 1	536	536	N/A	643	537	643	Result*CF
				Nickel	1 / 1	20.7	20.7	N/A	24.8	20.7	24.8	Result*CF
				Thallium	1 / 1	0.16	0.16	N/A	0.192	0.16	0.192	Result*CF
				Vanadium	1 / 1	33.5	33.5	N/A	40.2	33.6	40.2	Result*CF

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DU	SRC_DU_ID	DU Type	Media	analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation	T-statistic UCL or CF*result[b]	Selected EPC for both RME and CTE risks		
										Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
805-O2	679	Tribal Allotment	Soil/Dust[c]	Aluminum	3 / 3	11000	10800	153	11100	9260	11100	95% t-statistic UCL
				Antimony	3 / 3	0.844	0.822	0.037	0.884	0.738	0.884	95% t-statistic UCL
				Arsenic	3 / 3	5.42	5.31	0.115	5.5	--	5.5	95% t-statistic UCL
				RBA Adjusted Arsenic	3 / 3	0.887	0.869	0.0188	0.9	0.752	--	95% t-statistic UCL
				Cadmium	3 / 3	1.59	1.5	0.147	1.75	1.46	1.75	95% t-statistic UCL
				Chromium	3 / 3	19.4	19.2	0.265	19.6	16.4	19.6	95% t-statistic UCL
				Cobalt	3 / 3	6.67	6.65	0.0208	6.69	5.58	6.69	95% t-statistic UCL
				Iron	3 / 3	16200	16000	173	16300	13600	16300	95% t-statistic UCL
				RBA Adjusted Lead	3 / 3	48.8	45.5	4.17	45.5	45.5	--	Mean
				Manganese	3 / 3	405	397	9.07	412	344	412	95% t-statistic UCL
				Nickel	3 / 3	16.1	16	0.115	16.2	13.6	16.2	95% t-statistic UCL
				Thallium	3 / 3	0.149	0.146	0.003	0.151	0 126	0.151	95% t-statistic UCL
				Vanadium	3 / 3	26.1	26	0.153	26.2	21.9	26.2	95% t-statistic UCL
806-O1	680	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	12900	12900	--	15500	12900	15500	IC sample adjusted by CF
				Antimony	1 / 1	0.645	0.645	--	0.774	0.646	0.774	IC sample adjusted by CF
				Arsenic	1 / 1	9.76	9.76	--	11.7	--	11.7	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	1.6	1.6	--	1.92	1.6	--	IC sample adjusted by CF
				Cadmium	1 / 1	2.4	2.4	--	2.88	2.4	2.88	IC sample adjusted by CF
				Chromium	1 / 1	25.5	25.5	--	30.6	25.6	30.6	IC sample adjusted by CF
				Cobalt	1 / 1	8 22	8.22	--	9.86	8.24	9.86	IC sample adjusted by CF
				Iron	1 / 1	20700	20700	--	24800	20700	24800	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	28.4	28.4	--	--	28.4	--	Mean
				Manganese	1 / 1	493	493	--	592	494	592	IC sample adjusted by CF
				Nickel	1 / 1	23	23	--	27.6	23	27.6	IC sample adjusted by CF
				Thallium	1 / 1	0.118	0.118	--	0.142	0.118	0.142	IC sample adjusted by CF
				Vanadium	1 / 1	36.3	36.3	--	43.6	36.4	43.6	IC sample adjusted by CF
806-O2	681	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	16700	16700	--	20000	16700	20000	IC sample adjusted by CF
				Antimony	1 / 1	0.806	0.806	--	0.967	0.808	0.967	IC sample adjusted by CF
				Arsenic	1 / 1	17.5	17.5	--	21	--	21	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	2.86	2.86	--	3.44	2.87	--	IC sample adjusted by CF
				Cadmium	1 / 1	2.74	2.74	--	3.29	2.75	3.29	IC sample adjusted by CF
				Chromium	1 / 1	30.7	30.7	--	36.8	30.8	36.8	IC sample adjusted by CF
				Cobalt	1 / 1	10.7	10.7	--	12.8	10.7	12.8	IC sample adjusted by CF
				Iron	1 / 1	22600	22600	--	27100	22600	27100	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	29.6	29.6	--	--	29.6	--	Mean
				Manganese	1 / 1	544	544	--	653	545	653	IC sample adjusted by CF
				Nickel	1 / 1	31.9	31.9	--	38.3	32	38 3	IC sample adjusted by CF
				Thallium	1 / 1	0.167	0.167	--	0.2	0.167	0.2	IC sample adjusted by CF
				Vanadium	1 / 1	37	37	--	44.4	37.1	44.4	IC sample adjusted by CF

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										Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
806-O3	682	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	13400	13400	--	16100	13400	16100	IC sample adjusted by CF
				Antimony	1 / 1	0.914	0.914	--	1.1	0 916	1.1	IC sample adjusted by CF
				Arsenic	1 / 1	7.95	7.95	--	9.54	--	9.54	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	1 3	1.3	--	1.56	1.3	--	IC sample adjusted by CF
				Cadmium	1 / 1	1.7	1.7	--	2.04	1.7	2.04	IC sample adjusted by CF
				Chromium	1 / 1	23.3	23.3	--	28	23.3	28	IC sample adjusted by CF
				Cobalt	1 / 1	6.69	6.69	--	8.03	6.7	8.03	IC sample adjusted by CF
				Iron	1 / 1	20300	20300	--	24400	20300	24400	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	50.6	50.6	--	--	50.6	--	Mean
				Manganese	1 / 1	597	597	--	716	598	716	IC sample adjusted by CF
				Nickel	1 / 1	18.9	18.9	--	22.7	18.9	22.7	IC sample adjusted by CF
				Thallium	1 / 1	0.113	0.113	--	0.136	0 113	0.136	IC sample adjusted by CF
				Vanadium	1 / 1	35.3	35.3	--	42.4	35.4	42.4	IC sample adjusted by CF
806-O4	683	Tribal Allotment	Soil/Dust[c]	Aluminum	3 / 3	14700	14400	231	14800	12400	14800	t-statistic 95UCL
				Antimony	3 / 3	0.766	0.746	0.0229	0.785	0.655	0.785	t-statistic 95UCL
				Arsenic	3 / 3	9.72	9.68	0.0451	9.75	--	9.75	t-statistic 95UCL
				RBA Adjusted Arsenic	3 / 3	1 59	1.58	0.00738	1.6	1.33	--	t-statistic 95UCL
				Cadmium	3 / 3	1.72	1.68	0.0513	1.76	1.47	1.76	t-statistic 95UCL
				Chromium	3 / 3	23.2	22.2	1.18	24.2	20.2	24 2	t-statistic 95UCL
				Cobalt	3 / 3	8	7.81	0.289	8.3	6.93	8.3	t-statistic 95UCL
				Iron	3 / 3	20200	20000	252	20400	17000	20400	t-statistic 95UCL
				RBA Adjusted Lead	3 / 3	37.9	36.9	1.05	--	36.9	--	Mean
				Manganese	3 / 3	589	580	8.19	594	496	594	t-statistic 95UCL
				Nickel	3 / 3	20.8	20.1	0.764	21.4	17.9	21.4	t-statistic 95UCL
				Thallium	3 / 3	0.122	0.118	0.00451	0.125	0.105	0.125	t-statistic 95UCL
				Vanadium	3 / 3	35.7	34.2	1.93	37.4	31.2	37.4	t-statistic 95UCL
806-O5	684	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	15200	15200	--	18200	15200	18200	IC sample adjusted by CF
				Antimony	1 / 1	0.74	0.74	--	0.888	0.741	0.888	IC sample adjusted by CF
				Arsenic	1 / 1	8.89	8.89	--	10.7	--	10.7	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	1.46	1.46	--	1.75	1.46	--	IC sample adjusted by CF
				Cadmium	1 / 1	1 59	1.59	--	1.91	1.59	1.91	IC sample adjusted by CF
				Chromium	1 / 1	21.9	21.9	--	26.3	21.9	26 3	IC sample adjusted by CF
				Cobalt	1 / 1	7.41	7.41	--	8.89	7.42	8.89	IC sample adjusted by CF
				Iron	1 / 1	19700	19700	--	23600	19700	23600	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	37.4	37.4	--	--	37.4	--	Mean
				Manganese	1 / 1	597	597	--	716	598	716	IC sample adjusted by CF
				Nickel	1 / 1	19.1	19.1	--	22.9	19.1	22 9	IC sample adjusted by CF
				Thallium	1 / 1	0.119	0.119	--	0.143	0.119	0.143	IC sample adjusted by CF
				Vanadium	1 / 1	34.6	34.6	--	41.5	34.7	41.5	IC sample adjusted by CF

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										Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale
807-O1	685	Tribal Allotment	Soil/Dust[c]	Aluminum	3 / 3	25300	24900	400	25600	21400	25600	95% t-statistic UCL
				Antimony	3 / 3	0.527	0.492	0.0308	0.544	0.454	0.544	95% t-statistic UCL
				Arsenic	3 / 3	11.8	11.5	0.289	12	--	12	95% t-statistic UCL
				RBA Adjusted Arsenic	3 / 3	1.93	1.88	0.0472	1.96	1.63	--	95% t-statistic UCL
				Cadmium	3 / 3	0.926	0.9	0.0238	0.94	0.785	0.94	95% t-statistic UCL
				Chromium	3 / 3	23.6	22.8	0.764	24.1	20.1	24.1	95% t-statistic UCL
				Cobalt	3 / 3	8.56	8.41	0.145	8.66	7.23	8.66	95% t-statistic UCL
				Iron	3 / 3	21500	21400	115	21600	18000	21600	95% t-statistic UCL
				RBA Adjusted Lead	3 / 3	29.8	29.1	0.923	29.1	29.1	--	Mean
				Manganese	3 / 3	875	863	10.4	881	736	881	95% t-statistic UCL
				Nickel	3 / 3	23	22.8	0.153	23.1	19.3	23.1	95% t-statistic UCL
				Thallium	3 / 3	0.163	0.162	0.00173	0.165	0 138	0.165	95% t-statistic UCL
				Vanadium	3 / 3	38.6	37.1	1.36	39.4	32.9	39.4	95% t-statistic UCL
808-O1	686	Tribal Allotment	Soil/Dust[c]	Aluminum	3 / 3	11400	11300	231	11700	9730	11700	t-statistic 95UCL
				Antimony	3 / 3	0.609	0.581	0.0296	0.631	0 527	0.631	t-statistic 95UCL
				Arsenic	3 / 3	6 97	6.6	0.436	7.33	--	7.33	t-statistic 95UCL
				RBA Adjusted Arsenic	3 / 3	1 14	1.08	0.0713	1.2	1	--	t-statistic 95UCL
				Cadmium	3 / 3	1.3	1.22	0.085	1.36	1.14	1.36	t-statistic 95UCL
				Chromium	3 / 3	26.1	25.4	0.808	26.7	22.3	26.7	t-statistic 95UCL
				Cobalt	3 / 3	7.5	7.3	0.312	7.83	6.54	7.83	t-statistic 95UCL
				Iron	3 / 3	20500	20300	265	20700	17300	20700	t-statistic 95UCL
				RBA Adjusted Lead	3 / 3	35.7	33.7	2.35	--	33.7	--	Mean
				Manganese	3 / 3	537	526	9.29	542	453	542	t-statistic 95UCL
				Nickel	3 / 3	19.4	18.7	0.764	20	16.7	20	t-statistic 95UCL
				Thallium	3 / 3	0 13	0.113	0.0149	0.138	0.115	0.138	t-statistic 95UCL
				Vanadium	3 / 3	37.2	36.3	1.08	38.1	31.8	38 1	t-statistic 95UCL
808-O2	687	Tribal Allotment	Soil/Dust[c]	Aluminum	1 / 1	12400	12400	--	14900	12400	14900	IC sample adjusted by CF
				Antimony	1 / 1	0 92	0.92	--	1.1	0.922	1.1	IC sample adjusted by CF
				Arsenic	1 / 1	6 98	6.98	--	8.38	--	8.38	IC sample adjusted by CF
				RBA Adjusted Arsenic	1 / 1	1 14	1.14	--	1.37	1.14	--	IC sample adjusted by CF
				Cadmium	1 / 1	1.1	1.1	--	1.32	1.1	1.32	IC sample adjusted by CF
				Chromium	1 / 1	21.4	21.4	--	25.7	21.4	25.7	IC sample adjusted by CF
				Cobalt	1 / 1	6 38	6.38	--	7.66	6.39	7.66	IC sample adjusted by CF
				Iron	1 / 1	18900	18900	--	22700	18900	22700	IC sample adjusted by CF
				RBA Adjusted Lead	1 / 1	35.8	35.8	--	--	35.8	--	Mean
				Manganese	1 / 1	572	572	--	686	573	686	IC sample adjusted by CF
				Nickel	1 / 1	17.1	17.1	--	20.5	17.1	20 5	IC sample adjusted by CF
				Thallium	1 / 1	0.263	0.263	--	0.316	0.264	0.316	IC sample adjusted by CF
				Vanadium	1 / 1	27.4	27.4	--	32.9	27.5	32.9	IC sample adjusted by CF

Table 11. Tribal Allotment Soil and Sediment EPCs

DU	SRC_DU_ID	DU Type	Media	analyte	Number of Detects / Number of Samples[a]	Maximum Detected Concentration (mg/kg)	Arithmetic Mean Detected Concentration (mg/kg)	Standard Deviation	T-statistic UCL or CF*result[b]	Selected EPC for both RME and CTE risks		
										Ingestion[c] (mg/kg)	Dermal (mg/kg)	Rationale

[a]Field replicates treated as individual samples.

[b]T-statistic 95UCL = mean concentration across replicates + (2.92 * standard deviation / √(3)). EPCs from a single incremental composite sample (ICS) when ≥3 ICS composite samples were not available for estimating the 95UCL were estimated by applying a site-specific confidence factor (CF; 1.2) to the soil concentration measured in the single ICS composite sample (See Appendix 12 to the Site-wide HHRA).

[c] With the exception of RBA Adjusted Lead, an adjustment factor of 0.7 was applied to the soil concentration to generate an indoor dust concentration (where indoor EPC = outdoor EPC *0.7). A combined Soil/Dust EPC was generated for use in Ingestion pathway risk calculations [combined soil/dust EPC = (outdoor soil EPC * 0.45) + ((outdoor soil EPC * 0.7) * 0.55)]. The lead EPC was adjusted for dust within the IEUBK model.

[d] TCRA or VRA taken at this DU. The maximum backfill concentration from the 2015 TCRA Final Completion Report was used as the soil EPC.

[e]Sediment not evaluated for dust exposure.

Table 12. Crayfish and Amphibian and Reptile[a] EPCs, Site and Reference Areas

Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg ww)	Arithmetic Mean Detected Concentration (mg/kg ww)	Standard Deviation (mg/kg ww)	95% UCL[a] (mg/kg ww)	UCL Statistic[a]	Selected EPC for both RME and CTE risks		
							Value	Units	Rationale[a]
Site									
TotalPCBs(non-dioxin-like congeners;ND=0)	18 / 18	0.0199	0.00473	0.00576	0.0106	95% Chebyshev (Mean, Sd) UCL	0.0106	mg/kg ww	UCL-NP
TEQ - DL-PCBs (ND=0)	18 / 18	6.64E-08	0.000000038	1.93E-08	4.59E-08	95% Student's-t UCL	4.59E-08	mg/kg ww	UCL-P
TEQ - DL-PCBs (ND=1/2DL)	18 / 18	6.64E-08	4.01E-08	1.59E-08	4.66E-08	95% Student's-t UCL	4.66E-08	mg/kg ww	UCL-P
TEQ - Dioxins/Furans (ND=1/2DL)	18 / 18	0.000000144	0.000000106	2.13E-08	0.000000115	95% Student's-t UCL	0.000000115	mg/kg ww	UCL-P
TEQ - Dioxins/Furans (ND=0)	18 / 18	5.53E-08	1.82E-08	1.53E-08	2.45E-08	95% Student's-t UCL	2.45E-08	mg/kg ww	UCL-P
Inorganic Arsenic	18 / 18	0 154	0.0637	0.039	0.0797	95% Student's-t UCL	0.0797	mg/kg ww	UCL-P
Barium	18 / 18	126	61.2	28	72.7	95% Student's-t UCL	72.7	mg/kg ww	UCL-P
Cadmium	18 / 18	0 557	0.3	0.123	0.36	95% Adjusted Gamma UCL	0.36	mg/kg ww	UCL-P
Chromium	18 / 18	1.43	0.758	0.355	0.903	95% Student's-t UCL	0.903	mg/kg ww	UCL-P
Cobalt	18 / 18	0 208	0.129	0.0464	0.148	95% Student's-t UCL	0.148	mg/kg ww	UCL-P
Copper	18 / 18	55.3	35.9	9.74	39.9	95% Student's-t UCL	39.9	mg/kg ww	UCL-P
Lead	18 / 18	1.66	0.533	0.381	0.71	95% Adjusted Gamma UCL	0.533	mg/kg ww	KM Mean[c]
Mercury	18 / 18	0.0456	0.0249	0.0099	0.029	95% Student's-t UCL	0.029	mg/kg ww	UCL-P
Methyl mercury	17 / 18	0.0478	0.0208	0.0109	0.0245	95% KM (t) UCL	0.0245	mg/kg ww	UCL-NP
Thallium	18 / 18	0.0222	0.0169	0.00365	0.0184	95% Student's-t UCL	0.0184	mg/kg ww	UCL-P
Reference Areas									
TotalPCBs(non-dioxin-like congeners;ND=0)	12 / 12	0.00165	7.93E-04	3.04E-04	9.61E-04	95% Modified-t UCL	9.61E-04	mg/kg ww	UCL-P
TEQ - DL-PCBs (ND=0)	12 / 12	5.90E-08	3.18E-08	1.48E-08	3.95E-08	95% Student's-t UCL	3.95E-08	mg/kg ww	UCL-P
TEQ - DL-PCBs (ND=1/2DL)	12 / 12	5.90E-08	3.32E-08	1.29E-08	3.99E-08	95% Student's-t UCL	3.99E-08	mg/kg ww	UCL-P
TEQ - Dioxins/Furans (ND=0)	3 / 12	1.91E-10	1.42E-10	4.24E-11	7.62E-11	95% KM (t) UCL	7.62E-11	mg/kg ww	UCL-NP
TEQ - Dioxins/Furans (ND=1/2DL)	3 / 12	1.39E-07	1.27E-07	1.84E-08	1.19E-07	95% KM (t) UCL	1.19E-07	mg/kg ww	UCL-NP
Inorganic Arsenic	12 / 12	0.044	0.0249	0.0135	0.0357	95% Adjusted Gamma UCL	0.0357	mg/kg ww	UCL-P
Barium	12 / 12	133	77.55	50.59	141.2	95% Chebyshev (Mean, Sd) UCL	141.2	mg/kg ww	UCL-NP
Cadmium	12 / 12	0.0324	0.0198	0.00882	0.0244	95% Student's-t UCL	0.0244	mg/kg ww	UCL-P
Chromium	12 / 12	1 1	0.441	0.304	0.599	95% Student's-t UCL	0.599	mg/kg ww	UCL-P
Cobalt	12 / 12	0.137	0.0772	0.0295	0.0925	95% Student's-t UCL	0.0925	mg/kg ww	UCL-P
Copper	12 / 12	30.6	22.54	5.762	25.53	95% Student's-t UCL	25.53	mg/kg ww	UCL-P
Lead	12 / 12	0.155	0.0587	0.0377	0.0782	95% Student's-t UCL	0.0587	mg/kg ww	KM Mean[c]
Mercury	12 / 12	0.078	0.0409	0.0164	0.0517	95% Adjusted Gamma UCL	0.0517	mg/kg ww	UCL-P
Methyl mercury	12 / 12	0.0749	0.0397	0.0194	0.0536	95% Adjusted Gamma UCL	0.0536	mg/kg ww	UCL-P
Thallium	6 / 12	0.0025	0.00163	7.45E-04	0.00166	95% KM (t) UCL	0.00166	mg/kg ww	UCL-NP

[a]No amphibian or reptile samples were collected at the site. Crayfish tissue Site data were used as a surrogate.

[b] Based on recommendations from ProUCL, version 5.1.00 software (EPA, 2015); includes non-detects treated per recommendations for each statistical method:

UCL = Upper confidence limit; UCL-P = Parametric UCL; UCL-NP = Nonparametric UCL

KM H-UCL = UCL based on Kaplan-Meier method and Land's H-Statistic

95% KM (t) UCL = UCL based on Kaplan-Meier method using the t-distribution cutoff value

95% Chebyshev (Mean, Sd) UCL = UCL obtained using classical sample mean and standard deviation

95% Adjusted Gamma UCL = UCL adjusted for level of significance

95% Student's t = UCL based on Student's t-distribution

[c]Mean calculated using KM method

Table 13. Mussel Tissue EPCs, Site and Reference Areas

Analyte	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg ww)	Arithmetic Mean Detected Concentration (mg/kg ww)	Standard Deviation (mg/kg ww)	95% UCL (mg/kg ww)	UCL Statistic	Selected EPC for both RME and CTE risks		
							Value	Units	Rationale
Site									
Total PCBs (non-dioxin-like congeners;ND=0)	16 / 16	0 0163	0 00661	0 00625	0 0134	95% Chebyshev (Mean, Sd) UCL	0 0134	mg/kg ww	UCL-NP
TEQ-DL PCBs (ND=0)	16 / 16	1 33E-07	2 39E-08	2 95E-08	5 61E-08	95% Chebyshev (Mean, Sd) UCL	5 61E-08	mg/kg ww	UCL-NP
TEQ-DL PCBs (ND=1/2DL)	16 / 16	1 33E-07	2 43E-08	2 93E-08	5 62E-08	95% Chebyshev (Mean, Sd) UCL	5 62E-08	mg/kg ww	UCL-NP
TEQ-Dioxins/Furans (ND=1/2DL)	11 / 15	2 21E-07	9 73E-08	4 74E-08	1 19E-07	95% KM Adjusted Gamma UCL	1 19E-07	mg/kg ww	UCL-NP
TEQ-Dioxins/Furans (ND=0)	11 / 15	1 87E-09	5 21E-10	6 33E-10	9 66E-10	Gamma Adjusted KM-UCL	9 66E-10	mg/kg ww	UCL-P
Antimony	14 / 36	0 201	0 0266	0 0523	0 0134	KM H-UCL	0 0134	mg/kg ww	UCL-NP
Inorganic Arsenic[c]	5 / 36	0 101	0 0515	0 0237	0 0666	KM H-UCL	0 0666	mg/kg ww	UCL-NP
Barium	36 / 36	144	57 8	20 7	63 6	95% Adjusted Gamma UCL	63 6	mg/kg ww	UCL-P
Cadmium	36 / 36	0 975	0 535	0 137	0 574	95% Adjusted Gamma UCL	0 574	mg/kg ww	UCL-P
Chromium	36 / 36	1 73	0 567	0 348	0 664	95% H-UCL	0 664	mg/kg ww	UCL-P
Cobalt	36 / 36	0 226	0 0941	0 0433	0 107	95% Modified-t UCL	0 107	mg/kg ww	UCL-P
Iron	36 / 36	590	201	114	238	95% H-UCL	238	mg/kg ww	UCL-P
Lead	36 / 36	1 44	0 366	0 344	0 463	95% Adjusted Gamma UCL	0 366	mg/kg ww	KM Mean[b]
Manganese	36 / 36	670	383	131	420	95% Student's-t UCL	420	mg/kg ww	UCL-P
Thallium	28 / 36	0 0156	0 00616	0 00321	0 00625	95% KM (t) UCL	0 00625	mg/kg ww	UCL-NP
Reference Areas									
Total PCBs (nonDLcong;ND=0)	6 / 6	0 00072423	0 00052718	0 00012651	0 00063125	95% Student's-t UCL	0 00063125	mg/kg ww	UCL-P
TEQ-DLPCB(ND=0)	6 / 6	2 091E-08	1 0187E-08	6 8928E-09	1 5858E-08	95% Student's-t UCL	1 5858E-08	mg/kg ww	UCL-P
TEQ-DLPCB(ND=1/2DL)	6 / 6	2 091E-08	1 2129E-08	5 5854E-09	1 6723E-08	95% Student's-t UCL	1 6723E-08	mg/kg ww	UCL-P
TEQ-D/FOnly(ND=0)	2 / 5	5 2851E-09	2 7792E-09	3 5439E-09	N/A	N/A	5 2851E-09	mg/kg ww	Maximum
TEQ-D/FOnly(ND=1/2DL)	2 / 5	1 1925E-07	1 1164E-07	1 0767E-08	N/A	N/A	1 1925E-07	mg/kg ww	Maximum
Antimony	0 / 6	N/A	N/A	N/A	N/A	N/A	N/A	mg/kg ww	N/A
Inorganic Arsenic	6 / 6	0 0714	0 0427	0 0163	0 0561	95% Student's-t UCL	0 0561	mg/kg ww	UCL-P
Barium	6 / 6	27 4	25 35	2 334	27 27	95% Student's-t UCL	27 27	mg/kg ww	UCL-P
Cadmium	6 / 6	0 107	0 0721	0 0216	0 0899	95% Student's-t UCL	0 0899	mg/kg ww	UCL-P
Chromium	6 / 6	0 937	0 556	0 275	0 782	95% Student's-t UCL	0 782	mg/kg ww	UCL-P
Cobalt	6 / 6	0 125	0 0837	0 0242	0 104	95% Student's-t UCL	0 104	mg/kg ww	UCL-P
Iron	6 / 6	221	185	23 81	204 6	95% Student's-t UCL	204 6	mg/kg ww	UCL-P
Lead	6 / 6	0 103	0 0778	0 0166	0 0915	95% Student's-t UCL	0 0778	mg/kg ww	KM Mean
Manganese	6 / 6	313	274 8	33 25	302 2	95% Student's-t UCL	302 2	mg/kg ww	UCL-P
Thallium	2 / 6	0 0007	0 00065	0 000070711	N/A	N/A	0 0007	mg/kg ww	Maximum

[a] Based on recommendations from ProUCL, version 5 1 00 software (EPA, 2015); includes non-detects treated per recommendations for each statistical method:
UCL = Upper confidence limit; UCL-P = Parametric UCL; UCL-NP = Nonparametric UCL
KM H-UCL = UCL based on Kaplan-Meier method and Land's H-Statistic
95% KM (t) UCL = UCL based on Kaplan-Meier method using the t-distribution cutoff value
95% Chebyshev (Mean, Sd) UCL = UCL obtained using classical sample mean and standard deviation
95% Adjusted Gamma KM-UCL = UCL based on Kaplan-Meier method adjusted for level significance
95% Adjusted Gamma UCL = UCL adjusted for level of significance
95% H-UCL = UCL based on Land's H-Statistic
Modified-t statistic based UCL= adjusted for mildly skewed data
95% Student's t = UCL based on Student's t-distribution

[b] Mean calculated using KM method

[c] Samples without an inorganic arsenic result reported by the lab used a calculated inorganic arsenic result (site-specific fraction of inorganic arsenic [7 7%] multiplied by the total arsenic result)

Table 14. Wild/Cultural Plant EPCs

Plant Type	Plant Species	COPC	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg ww)	Arithmetic Mean Detected Concentration (mg/kg ww)	Standard Deviation	95% UCL[a] (mg/kg ww)	UCL Statistic[a]	Selected EPC for both RME and CTE risks	
									Value (mg/kg ww)	Rationale
Terrestrial	black tree lichen	Aluminum	12 / 12	322.8	155.2	67.13	200.6	95% Adjusted Gamma UCL	200.6	95UCL
		Antimony	12 / 12	1.625	0.779	0.433	1.087	95% Adjusted Gamma UCL	1.087	95UCL
		Arsenic	12 / 12	1.652	0.943	0.342	1.164	95% Adjusted Gamma UCL	1.164	95UCL
		Cadmium	12 / 12	3.134	1.647	0.7	2.01	95% Student's-t UCL	2.01	95UCL
		Chromium	12 / 12	1.081	0.431	0.231	0.576	95% Adjusted Gamma UCL	0.576	95UCL
		Cobalt	12 / 12	0.159	0.0992	0.0313	0.115	95% Student's-t UCL	0.115	95UCL
		Iron	12 / 12	381.2	210.2	80.45	251.9	95% Student's-t UCL	251.9	95UCL
		Lead	12 / 12	78.32	33.35	20.93	48.49	95% Adjusted Gamma UCL	33.35	KM Mean[b]
		Manganese	12 / 12	27.82	16.2	5.802	19.99	95% Adjusted Gamma UCL	19.99	95UCL
		Nickel	12 / 12	0.807	0.265	0.184	0.382	95% Adjusted Gamma UCL	0.382	95UCL
		Thallium	12 / 12	0.0402	0.0205	0.0106	0.0281	95% Adjusted Gamma UCL	0.0281	95UCL
		Vanadium	12 / 12	0.894	0.502	0.186	0.598	95% Student's-t UCL	0.598	95UCL
Terrestrial	camas	Aluminum	12 / 12	188.6	95.32	46.54	119.5	95% Student's-t UCL	119.5	95UCL
		Antimony	12 / 12	0.376	0.201	0.104	0.254	95% Student's-t UCL	0.254	95UCL
		Arsenic	12 / 12	0.373	0.177	0.112	0.263	95% Adjusted Gamma UCL	0.263	95UCL
		Cadmium	12 / 12	4.392	1.8	0.993	2.342	95% Modified-t UCL	2.342	95UCL
		Chromium	12 / 12	0.344	0.11	0.0856	0.18	95% Adjusted Gamma UCL	0.18	95UCL
		Cobalt	12 / 12	0.0918	0.0407	0.0245	0.0582	95% Adjusted Gamma UCL	0.0582	95UCL
		Iron	12 / 12	215.2	79.41	53.17	107	95% Student's-t UCL	107	95UCL
		Lead	12 / 12	30.1	12.09	7.64	16.05	95% Student's-t UCL	12.09	KM Mean[b]
		Manganese	12 / 12	34.57	12.54	8.05	17.72	95% Adjusted Gamma UCL	17.72	95UCL
		Nickel	12 / 12	0.26	0.12	0.0729	0.158	95% Student's-t UCL	0.158	95UCL
		Thallium	12 / 12	0.0813	0.0326	0.0192	0.0425	95% Student's-t UCL	0.0425	95UCL
		Vanadium	12 / 12	0.561	0.172	0.14	0.285	95% Adjusted Gamma UCL	0.285	95UCL
Terrestrial	chokecherry	Aluminum	8 / 12	1.745	0.957	0.538	1.064	95% KM (t) UCL	1.064	95UCL
		Antimony	2 / 12	0.00305	0.00226	0.00112	0.00235	95% KM (Chebyshev) UCL	0.00235	95UCL
		Arsenic	1 / 12	0.00879	0.00879	N/A	N/A		0.00879	Maximum
		Cadmium	11 / 12	0.00234	0.00141	0.000443	0.0016	95% KM (t) UCL	0.0016	95UCL
		Chromium	12 / 12	0.085	0.0346	0.0235	0.0467	95% Student's-t UCL	0.0467	95UCL
		Cobalt	12 / 12	0.00551	0.00284	0.00118	0.00346	95% Student's-t UCL	0.00346	95UCL
		Iron	12 / 12	4.808	3.165	0.792	3.576	95% Student's-t UCL	3.576	95UCL
		Lead	11 / 12	0.0399	0.0147	0.00849	0.0193	95% KM (BCA) UCL	0.0139	KM Mean[b]
		Manganese	12 / 12	3.845	2.497	0.849	2.937	95% Student's-t UCL	2.937	95UCL
		Nickel	12 / 12	0.317	0.155	0.0698	0.192	95% Student's-t UCL	0.192	95UCL
		Thallium	6 / 12	0.00147	0.00075508	0.000364	0.00078844	95% KM (t) UCL	0.00078844	95UCL
		Vanadium	1 / 12	0.00466	0.00466	N/A	N/A		0.00466	Maximum

Table 14. Wild/Cultural Plant EPCs

Plant Type	Plant Species	COPC	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg ww)	Arithmetic Mean Detected Concentration (mg/kg ww)	Standard Deviation	95% UCL[a] (mg/kg ww)	UCL Statistic[a]	Selected EPC for both RME and CTE risks	
									Value (mg/kg ww)	Rationale
Terrestrial	hazelnut	Aluminum	8 / 12	0.959	0.545	0.205	0.57	95% KM (t) UCL	0.57	95UCL
		Antimony	2 / 12	0.00894	0.00704	0.00268	0.0051	95% KM (t) UCL	0.0051	95UCL
		Arsenic	1 / 12	0.0207	0.0207	N/A	N/A		0.0207	Maximum
		Cadmium	12 / 12	0.0927	0.0341	0.0259	0.0476	95% Student's-t UCL	0.0476	95UCL
		Chromium	11 / 12	2.945	0.808	1.191	4.084	99% KM (Chebyshev) UCL	4.084	95UCL
		Cobalt	12 / 12	0.0558	0.0269	0.0161	0.0352	95% Student's-t UCL	0.0352	95UCL
		Iron	12 / 12	32.44	26.12	5.112	28.77	95% Student's-t UCL	28.77	95UCL
		Lead	8 / 12	0.00897	0.00498	0.00229	0.00568	95% KM (t) UCL	0.00437	KM Mean[b]
		Manganese	12 / 12	173.7	56.56	49.36	118.7	95% Chebyshev (Mean, Sd) UCL	118.7	95UCL
		Nickel	12 / 12	2.789	1.407	0.898	1.873	95% Student's-t UCL	1.873	95UCL
		Thallium	1 / 12	0.0081	0.0081	N/A	N/A		0.0081	Maximum
		Vanadium	3 / 12	0.03	0.0257	0.00381	0.0199	95% KM (t) UCL	0.0199	95UCL
Terrestrial	huckleberry	Aluminum	6 / 6	6.734	5.587	0.987	6.399	95% Student's-t UCL	6.399	95UCL
		Antimony	3 / 6	0.00207	0.0016	0.000404	0.00174	95% KM (t) UCL	0.00174	95UCL
		Arsenic	3 / 6	0.00932	0.00811	0.00131	0.00862	95% KM (t) UCL	0.00862	95UCL
		Cadmium	6 / 6	0.111	0.0693	0.0302	0.0941	95% Student's-t UCL	0.0941	95UCL
		Chromium	4 / 6	0.0146	0.0113	0.00389	0.013	95% KM (t) UCL	0.013	95UCL
		Cobalt	2 / 6	0.00762	0.00427	0.00473	0.00835	95% KM (Chebyshev) UCL	0.00835	95UCL
		Iron	6 / 6	2.323	2.104	0.224	2.289	95% Student's-t UCL	2.289	95UCL
		Lead	6 / 6	0.0157	0.0126	0.00337	0.0154	95% Student's-t UCL	0.0126	KM Mean[b]
		Manganese	6 / 6	9.68	7.044	2.239	8.886	95% Student's-t UCL	8.886	95UCL
		Nickel	6 / 6	0.13	0.0672	0.0359	0.0968	95% Student's-t UCL	0.0968	95UCL
		Thallium	0 / 6	N/A	N/A	N/A	N/A		ND	
		Vanadium	0 / 6	N/A	N/A	N/A	N/A		ND	
Terrestrial	kinnikinnick	Aluminum	12 / 12	35.12	17.42	7.186	21.15	95% Student's-t UCL	21.15	95UCL
		Antimony	12 / 12	0.0304	0.0179	0.00797	0.022	95% Student's-t UCL	0.022	95UCL
		Arsenic	12 / 12	0.0784	0.043	0.0171	0.0518	95% Student's-t UCL	0.0518	95UCL
		Cadmium	12 / 12	0.0951	0.0584	0.0231	0.0704	95% Student's-t UCL	0.0704	95UCL
		Chromium	12 / 12	0.236	0.103	0.0507	0.138	95% Adjusted Gamma UCL	0.138	95UCL
		Cobalt	12 / 12	0.0154	0.00971	0.00244	0.011	95% Student's-t UCL	0.011	95UCL
		Iron	12 / 12	25.85	18.75	3.85	20.75	95% Student's-t UCL	20.75	95UCL
		Lead	12 / 12	1.215	0.621	0.263	0.758	95% Student's-t UCL	0.621	KM Mean[b]
		Manganese	12 / 12	26.52	13.53	6.332	16.81	95% Student's-t UCL	16.81	95UCL
		Nickel	12 / 12	0.154	0.0911	0.0271	0.105	95% Student's-t UCL	0.105	95UCL
		Thallium	10 / 12	0.0113	0.00601	0.00322	0.00701	95% KM (t) UCL	0.00701	95UCL
		Vanadium	12 / 12	0.0534	0.0288	0.0112	0.0346	95% Student's-t UCL	0.0346	95UCL

Table 14. Wild/Cultural Plant EPCs

Plant Type	Plant Species	COPC	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg ww)	Arithmetic Mean Detected Concentration (mg/kg ww)	Standard Deviation	95% UCL[a] (mg/kg ww)	UCL Statistic[a]	Selected EPC for both RME and CTE risks	
									Value (mg/kg ww)	Rationale
Terrestrial	lomatium	Aluminum	12 / 12	573.2	272	136.3	342.7	95% Student's-t UCL	342.7	95UCL
		Antimony	12 / 12	0.644	0.346	0.179	0.439	95% Student's-t UCL	0.439	95UCL
		Arsenic	12 / 12	0.464	0.344	0.103	0.397	95% Student's-t UCL	0.397	95UCL
		Cadmium	12 / 12	1.786	0.992	0.439	1.219	95% Student's-t UCL	1.219	95UCL
		Chromium	12 / 12	5.086	1.53	1.356	2.232	95% Student's-t UCL	2.232	95UCL
		Cobalt	12 / 12	0.346	0.146	0.0796	0.187	95% Student's-t UCL	0.187	95UCL
		Iron	12 / 12	570.4	232.6	136.5	303.4	95% Student's-t UCL	303.4	95UCL
		Lead	12 / 12	20.37	10.54	7.528	18.49	95% Adjusted Gamma UCL	10.54	KM Mean[b]
		Manganese	12 / 12	55.69	23.56	11.7	29.63	95% Student's-t UCL	29.63	95UCL
		Nickel	12 / 12	3.85	1.35	1.099	2.173	95% Adjusted Gamma UCL	2.173	95UCL
		Thallium	12 / 12	0.0549	0.0297	0.0151	0.0376	95% Student's-t UCL	0.0376	95UCL
		Vanadium	12 / 12	4.58	1.076	1.371	2.801	95% Chebyshev (Mean, Sd) UCL	2.801	95UCL
Terrestrial	pine nut	Aluminum	12 / 12	54.83	25.4	18.93	35.21	95% Student's-t UCL	35.21	95UCL
		Antimony	5 / 12	0.0625	0.0371	0.0195	0.0291	95% KM (t) UCL	0.0291	95UCL
		Arsenic	12 / 12	0.0933	0.0438	0.0235	0.056	95% Student's-t UCL	0.056	95UCL
		Cadmium	12 / 12	1.531	0.656	0.42	0.874	95% Student's-t UCL	0.874	95UCL
		Chromium	12 / 12	11.06	5.275	3.441	7.059	95% Student's-t UCL	7.059	95UCL
		Cobalt	12 / 12	0.181	0.0991	0.0565	0.128	95% Student's-t UCL	0.128	95UCL
		Iron	12 / 12	111.5	80.81	19.16	90.74	95% Student's-t UCL	90.74	95UCL
		Lead	11 / 12	2.081	0.52	0.697	0.832	95% KM (t) UCL	0.477	KM Mean[b]
		Manganese	12 / 12	111.7	53.3	22.71	65.07	95% Student's-t UCL	65.07	95UCL
		Nickel	12 / 12	6.545	3.524	1.822	4.469	95% Student's-t UCL	4.469	95UCL
		Thallium	0 / 12	N/A	N/A	N/A	N/A		ND	
		Vanadium	11 / 12	0.0791	0.0453	0.0214	0.0543	95% KM (t) UCL	0.0543	95UCL
Terrestrial	rose hips	Aluminum	6 / 6	6.328	4.031	1.291	5.092	95% Student's-t UCL	5.092	95UCL
		Antimony	3 / 6	0.00454	0.00344	0.00106	0.00367	95% KM (t) UCL	0.00367	95UCL
		Arsenic	1 / 6	0.0136	0.0136	N/A	N/A		0.0136	Maximum
		Cadmium	6 / 6	0.025	0.0167	0.00831	0.0235	95% Student's-t UCL	0.0235	95UCL
		Chromium	6 / 6	1.306	0.465	0.493	0.871	95% Student's-t UCL	0.871	95UCL
		Cobalt	6 / 6	0.028	0.0106	0.00906	0.0181	95% Student's-t UCL	0.0181	95UCL
		Iron	6 / 6	16.86	11.54	3.25	14.21	95% Student's-t UCL	14.21	95UCL
		Lead	6 / 6	0.0722	0.0499	0.0211	0.0672	95% Student's-t UCL	0.0499	KM Mean[b]
		Manganese	6 / 6	28.87	16.68	8.205	23.43	95% Student's-t UCL	23.43	95UCL
		Nickel	6 / 6	0.701	0.301	0.253	0.509	95% Student's-t UCL	0.509	95UCL
		Thallium	0 / 6	N/A	N/A	N/A	N/A		ND	
		Vanadium	6 / 6	0.0271	0.0157	0.00651	0.021	95% Student's-t UCL	0.021	95UCL

Table 14. Wild/Cultural Plant EPCs

Plant Type	Plant Species	COPC	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg ww)	Arithmetic Mean Detected Concentration (mg/kg ww)	Standard Deviation	95% UCL[a] (mg/kg ww)	UCL Statistic[a]	Selected EPC for both RME and CTE risks	
									Value (mg/kg ww)	Rationale
Terrestrial	rose stems/leaves	Aluminum	12 / 12	22.17	9.784	5.029	13.21	95% Adjusted Gamma UCL	13.21	95UCL
		Antimony	11 / 12	0.0222	0.00998	0.00563	0.0141	95% KM Adjusted Gamma UCL	0.0141	95UCL
		Arsenic	12 / 12	0.0438	0.0286	0.00996	0.0338	95% Student's-t UCL	0.0338	95UCL
		Cadmium	12 / 12	0.408	0.17	0.135	0.294	95% H-UCL	0.294	95UCL
		Chromium	12 / 12	3.364	1.278	0.81	1.698	95% Student's-t UCL	1.698	95UCL
		Cobalt	12 / 12	0.0239	0.0135	0.00593	0.0166	95% Student's-t UCL	0.0166	95UCL
		Iron	12 / 12	52.44	27.79	10.09	33.02	95% Student's-t UCL	33.02	95UCL
		Lead	12 / 12	2.227	0.597	0.572	1.014	95% Adjusted Gamma UCL	0.597	KM Mean[b]
		Manganese	12 / 12	87.16	46.83	20.67	57.54	95% Student's-t UCL	57.54	95UCL
		Nickel	12 / 12	0.508	0.218	0.117	0.278	95% Student's-t UCL	0.278	95UCL
		Thallium	10 / 12	0.00701	0.00359	0.00201	0.00423	95% KM (t) UCL	0.00423	95UCL
		Vanadium	12 / 12	0.0675	0.0289	0.0148	0.0396	95% Adjusted Gamma UCL	0.0396	95UCL
Terrestrial	sarvisberry	Aluminum	9 / 12	10.65	6.03	2.362	6.632	95% KM (t) UCL	6.632	95UCL
		Antimony	6 / 12	0.0417	0.0145	0.0139	0.0149	95% KM (t) UCL	0.0149	95UCL
		Arsenic	8 / 12	0.0327	0.0249	0.00608	0.0254	95% KM (t) UCL	0.0254	95UCL
		Cadmium	12 / 12	0.228	0.138	0.0489	0.163	95% Student's-t UCL	0.163	95UCL
		Chromium	12 / 12	0.736	0.27	0.185	0.39	95% Adjusted Gamma UCL	0.39	95UCL
		Cobalt	12 / 12	0.0547	0.0349	0.0114	0.0408	95% Student's-t UCL	0.0408	95UCL
		Iron	12 / 12	23.82	18.17	2.895	19.67	95% Student's-t UCL	19.67	95UCL
		Lead	12 / 12	12.19	1.684	3.472	5.4	95% Adjusted Gamma UCL	1.684	KM Mean[b]
		Manganese	12 / 12	61.65	27.29	13.96	34.53	95% Student's-t UCL	34.53	95UCL
		Nickel	12 / 12	1.12	0.726	0.171	0.814	95% Student's-t UCL	0.814	95UCL
		Thallium	0 / 12	N/A	N/A	N/A	N/A		ND	
		Vanadium	5 / 12	0.0346	0.0235	0.00862	0.0217	95% KM (t) UCL	0.0217	95UCL
Terrestrial	spring beauty/ indian potato	Aluminum	12 / 12	947	145	257.4	325.7	95% Adjusted Gamma UCL	325.7	95UCL
		Antimony	12 / 12	1.04	0.244	0.27	0.444	95% Adjusted Gamma UCL	0.444	95UCL
		Arsenic	12 / 12	2.417	0.431	0.648	0.875	95% Adjusted Gamma UCL	0.875	95UCL
		Cadmium	12 / 12	7.924	3.222	2.556	4.547	95% Student's-t UCL	4.547	95UCL
		Chromium	12 / 12	1.517	0.31	0.412	0.651	95% Adjusted Gamma UCL	0.651	95UCL
		Cobalt	12 / 12	0.385	0.0836	0.104	0.164	95% Adjusted Gamma UCL	0.164	95UCL
		Iron	12 / 12	1076	157.7	293.9	527.5	95% Chebyshev (Mean, Sd) UCL	527.5	95UCL
		Lead	12 / 12	111.6	15.44	30.89	54.31	95% Chebyshev (Mean, Sd) UCL	15.44	KM Mean[b]
		Manganese	12 / 12	54.23	19.52	13.59	26.57	95% Student's-t UCL	26.57	95UCL
		Nickel	12 / 12	1.051	0.292	0.316	0.559	95% Adjusted Gamma UCL	0.559	95UCL
		Thallium	12 / 12	0.281	0.0946	0.0898	0.174	95% Adjusted Gamma UCL	0.174	95UCL
		Vanadium	12 / 12	2.026	0.325	0.56	1.029	95% Chebyshev (Mean, Sd) UCL	1.029	95UCL

Table 14. Wild/Cultural Plant EPCs

Plant Type	Plant Species	COPC	Number of Detects / Number of Samples	Maximum Detected Concentration (mg/kg ww)	Arithmetic Mean Detected Concentration (mg/kg ww)	Standard Deviation	95% UCL[a] (mg/kg ww)	UCL Statistic[a]	Selected EPC for both RME and CTE risks	
									Value (mg/kg ww)	Rationale
Aqutic	tule	Aluminum	6 / 6	23.69	6.835	8.809	14.08	95% Student's-t UCL	14.08	95UCL
		Antimony	3 / 6	0.00389	0.00236	0.00133	0.00267	95% KM (t) UCL	0.00267	95UCL
		Arsenic	4 / 6	0.0162	0.0132	0.00416	0.0152	95% KM (t) UCL	0.0152	95UCL
		Cadmium	6 / 6	0.00639	0.00307	0.00244	0.0101	95% H-UCL	0.0101	95UCL
		Chromium	6 / 6	1.349	0.961	0.279	1.19	95% Student's-t UCL	1.19	95UCL
		Cobalt	6 / 6	0.025	0.018	0.00612	0.023	95% Student's-t UCL	0.023	95UCL
		Iron	6 / 6	27.22	14.37	6.826	19.98	95% Student's-t UCL	19.98	95UCL
		Lead	6 / 6	0.0806	0.0307	0.0284	0.054	95% Student's-t UCL	0.0307	KM Mean[b]
		Manganese	6 / 6	44.69	31	9.576	38.88	95% Student's-t UCL	38.88	95UCL
		Nickel	6 / 6	0.576	0.413	0.133	0.523	95% Student's-t UCL	0.523	95UCL
		Thallium	5 / 6	0.00143	0.00103	0.000398	0.00129	95% KM (t) UCL	0.00129	95UCL
		Vanadium	6 / 6	0.0695	0.0248	0.0234	0.0441	95% Student's-t UCL	0.0441	95UCL
Terrestrial	wild mint	Aluminum	6 / 6	50.73	19.37	15.67	47.81	95% Adjusted Gamma UCL	47.81	95UCL
		Antimony	6 / 6	0.00857	0.00466	0.0023	0.00655	95% Student's-t UCL	0.00655	95UCL
		Arsenic	6 / 6	0.0177	0.0116	0.00404	0.0149	95% Student's-t UCL	0.0149	95UCL
		Cadmium	6 / 6	0.0137	0.00652	0.00365	0.0123	95% Adjusted Gamma UCL	0.0123	95UCL
		Chromium	6 / 6	0.197	0.0871	0.0564	0.186	95% Adjusted Gamma UCL	0.186	95UCL
		Cobalt	6 / 6	0.0239	0.0105	0.00672	0.0164	or 95% Modified-t UCL	0.0164	95UCL
		Iron	6 / 6	46.78	23.04	11.83	33.52	95% Modified-t UCL	33.52	95UCL
		Lead	6 / 6	0.215	0.0908	0.0622	0.196	95% Adjusted Gamma UCL	0.0908	KM Mean[b]
		Manganese	6 / 6	9.04	6.955	1.241	7.975	95% Student's-t UCL	7.975	95UCL
		Nickel	6 / 6	0.112	0.0537	0.0306	0.0789	95% Student's-t UCL	0.0789	95UCL
		Thallium	5 / 6	0.000952	0.0005968	0.000286	0.00078478	95% KM (t) UCL	0.00078478	95UCL
		Vanadium	6 / 6	0.118	0.0495	0.0347	0.11	95% Adjusted Gamma UCL	0.11	95UCL
Aquatic	willow	Aluminum	12 / 12	19.15	12.03	3.764	13.98	95% Student's-t UCL	13.98	95UCL
		Antimony	6 / 12	0.02	0.0116	0.00642	0.0105	95% KM (t) UCL	0.0105	95UCL
		Arsenic	9 / 12	0.0674	0.039	0.0165	0.0424	95% KM (t) UCL	0.0424	95UCL
		Cadmium	12 / 12	3.967	1.841	1.403	2.568	95% Student's-t UCL	2.568	95UCL
		Chromium	12 / 12	0.6	0.39	0.143	0.464	95% Student's-t UCL	0.464	95UCL
		Cobalt	12 / 12	0.0446	0.0285	0.0069	0.032	95% Student's-t UCL	0.032	95UCL
		Iron	12 / 12	29.18	21.93	5.948	25.01	95% Student's-t UCL	25.01	95UCL
		Lead	12 / 12	0.415	0.155	0.12	0.306	95% Chebyshev (Mean, Sd) UCL	0.155	KM Mean[b]
		Manganese	12 / 12	37.36	13.56	9.912	18.69	95% Student's-t UCL	18.69	95UCL
		Nickel	12 / 12	0.355	0.24	0.0593	0.27	95% Student's-t UCL	0.27	95UCL
		Thallium	10 / 12	0.137	0.0397	0.0488	0.0912	95% KM Bootstrap t UCL	0.0912	95UCL
		Vanadium	10 / 12	0.0513	0.0378	0.0078	0.0399	95% KM (t) UCL	0.0399	95UCL

N/A = not available, ND = not detected

[a] Based on recommendations from ProUCL, version 5.1.00 software (EPA, 2015); includes non-detects treated per recommendations for each statistical method:

[b] Mean calculated using KM method

Table 15. Intake and Body Weight Parameters for Mallard

Parameter	Value	Reference
Food Ingestion Rate (FIR) (kg dry matter intake [DMI]/day)	0.21	White and Finley, 1978; Heinz et al., 1987; White and Dieter, 1978; Piccirillo and Quesenberry, 1980; Davison and Sell, 1974; Stubblefield et al., 1995a and 1995b; Chukwudebe et al., 1998; Finley et al., 1976
Water Ingestion Rate (L/day)	0.2	Calder and Braun, 1983
Soil/Sediment Ingestion Rate (% of FIR)	9.3	Beyer et al., 1994; Beyer et al., 1998

[a] Food ingestion rate is the midpoint of the ingestion rates cited

Table 16. EPCs for Surface Sediment and Surface Water used in Waterfowl Uptake Model

COPC	River Region	Sediment Concentration (milligrams per kilogram [mg/kg])	Water Concentration (µg/L)	Estimated Plant Concentration (mg/kg dw)	Estimated Waterfowl Tissue EPC (mg/kg ww)
Arsenic	Lower	6.27	0.84	4.34	0.014
	Middle	4.18		3.01	0.010
	Upper	11.24		7.34	0.023
Cadmium	Lower	0.14	0.23	0.09	0.005
	Middle	1.27		0.27	0.015
	Upper	4.16		0.48	0.030
Lead	Lower	6.38	3.15	0.72	0.012
	Middle	33.93		2.70	0.048
	Upper	338.8		16.64	0.348
Selenium	Lower	ND	0.006	ND	ND
	Middle	0.06		0.07	0.006
	Upper	0.88		0.74	0.070

Table 17. Uptake Equations for Inorganics in Sediment to Plants

Analyte	Equation	Source
Arsenic	log(Cplant) = -0.08 + 0.9 * log(Csediment/soil)	a
Cadmium	=EXP((0.49*ln[Csediment/soil])-1.43	b
Lead	=EXP((0.79*ln[Csediment/soil])-1.79)	b
Selenium	log(Cplant) = -0.08 + 0.9 * log(Csediment/soil)	a

C = Concentration
ln = Natural log
a = Jackson (1998)
b = Campbell et al. (1999)

Table 18. EPCs and TCos used in Upland Bird Concentration Estimates

COPC	Soil Concentration (mg/kg dw)	Water Concentration (µg/L)	Plant Concentration (mg/kg dw)	Invertebrate Conc (mg/kg dw)	TCo Chicken (day/kg)
Arsenic	33.8	0.841	0.0328	2.28	0.03
Beryllium	0.583	0.189	0.004	NA	0.2
Cadmium	13.1	0.233	0.323	6.95	0.5
Lead	552	3.15	0.542	16.27	0.13
Mercury	0.12	0.018	2.01	NA	0.1
Nickel	16.9	9.5	2.31	NA	0.02
Selenium	0.915	0.352	0.0551	NA	0.9

Table 19. Intake and Body Weight Parameters for Wild Turkey

Parameter	Value	Reference
Body Weight (kilogram [kg]) [a]	6.19	Lehman, 1998; McRoberts et al., 2014; Nelson and Martin, 1953; Rende, 1983; Spears et al., 2006; Vander Haegen et al., 1988
Food Ingestion Rate (FIR; kg DMI/day)	0.21	Nagy, 2001 (equation for Galliformes)
Water Ingestion Rate (L/day)	0.2	Calder and Braun, 1983
Soil Ingestion Rate (% of FIR)	9.3	Beyer et al., 1994

[a] Body weight is the midpoint of adult body weights cited

Table 20. Estimated Upland Bird Tissue Concentrations

COPC	Upland Bird EPC (mg/kg ww)
Arsenic	0.0236
Beryllium	0.00246
Cadmium	0.336
Lead	1.526
Mercury	0.0424
Nickel	0.0163
Selenium	0.0266

Table 21. EPCs and Transfer Coefficients (TCo) used in Wild Game (Mammal) Concentration Estimates

COPC	Soil Concentration (mg/kg dw)	Water Concentration (µg/L)	Plant Concentration (mg/kg dw)	TCo Beef (day/kg)	Estimated Wild Game (mammal) EPC (mg/kg ww)
Arsenic	33.8	0.841	0.153	0.002	0.00161
Beryllium	0.583	0.189	0.0052	0.0003	0.00000566
Cadmium	13.1	0.233	1.577	0.0002	0.000576
Lead	552	3.15	3.4	0.0003	0.0044
Mercury	0.12	0.0182	0.0071	0.0004	0.00000556
Nickel	16.9	9.5	1.1	0.0003	0.000652
Selenium	0.915	0.352	0.122	0.04	0.00888

Table 22. Intake Parameters for White-Tailed Deer

Parameter	Value	Reference
FIR [a] (kg ww/day)	3.194	French et al., 1955; Magruder et al., 1958; Ozoga and Verme, 1970; Ullrey et al., 1969; Ullrey et al., 1970; Bateman, 1949
FIR (kg dw/day)	1.692	Sample et al., 1997 (assumes 53% dry matter in food)
Water Ingestion Rate (L/day)	3.61	Lautier et al., 1988
Soil Ingestion Rate (kg dw/day)	0.0161	Arthur and Alldredge, 1979

[a] Food ingestion rate is the midpoint of adult food ingestion rates cited

Table 23. IEUBK Input Parameters Based on EPA (2016) and Site-Specific Information

Parameter	Value	Basis
Soil concentration (mg/kg)	C_{soil}	EPC soil concentration, which was the RBA-adjusted arithmetic mean for each DU (the average of the 3 incremental composite [IC] sample results, if replicates were collected, for that DU or the single sample result if only 1 IC sample was collected; discrete core samples were not included). See Section 3.3.1 and Appendix 11 of the Site-wide HHRA for more information.
Dust concentration (mg/kg)	$C_{dust} = 0.7 \bullet C_{soil(weighted)} +$ (air conc • 100)	Indoor dust lead was derived from residential soil data as described in Sections 2.6.2 and 3.3.6 of the Site-wide HHRA (all non-beach tribal allotment DUs were considered potential future house DUs) and air based on Site-specific data (EPA, 1994a, 1994b).
Outdoor air concentration (µg per cubic meter [µg/m^3])	0.023‡	ProUCL (the KM mean; EPA, 2015) based on Sheep Creek 2002-2009 monitoring data.
Indoor air concentration (µg/m^3)	30% of outdoor air concentration	IEUBK Default (EPA, 1994a, 1994b)
Drinking water concentration (µg/L)	0.9	EPA (2016)
Maternal PbB at birth (µg/dL)*	0.6	Based on National Health and Nutrition Examination Survey (NHANES) update (2009-2014) (EPA, 2017b)
Absorption Fractions (AF†) at low intakes: Air Diet Water Soil/dust Sediment	 32% 50% 50% DU-specific DU-specific	 IEUBK Default (EPA, 1994a, 1994b) IEUBK Default (EPA, 1994a, 1994b) IEUBK Default (EPA, 1994a, 1994b) SRC (2017). See Appendix 11 of Site-wide HHRA. SRC (2017). See Appendix 11 of Site-wide HHRA.
RBA (soil/dust)	DU-specific RBA %	SRC (2017). See Appendix 11 of Site-wide HHRA.
Fraction soil	45%	IEUBK Default (EPA, 1994a, 1994b)
GSD	1.6	IEUBK Default (EPA, 1994a, 1994b)
Target PbB	3, 5, and 8 µg/dL	Within the risk range of child PbBs associated with adverse health effects from EPA (2016)

*Maternal PbB at birth does not impact results for the 12-72 month age range.
† AF% = RBA% * 0.5.
‡ Note that the concentration of lead in UCR air (CH2MHill, 2015) is an order of magnitude lower than the default air lead concentration in the IEUBK model (0.1 µg/m^3) and is not likely to influence the results.

TABLE 24
EXPOSURE PARAMETERS FOR COLVILLE HIGH INTENSITY RESOURCE USER POPULATION

Exposure Pathway	Exposure Parameter	Units	RME Value and Source				CTE Value and Source			
			Adult		Child		Adult		Child	
General	Body weight	kg	80	EPA, 2011a, 2014a [a]	15	EPA, 2011a, 2014a [a]	80	EPA, 2011a, 2014a [a]	15	EPA, 2011a, 2014a [a]
	Exposure Duration	years	20	EPA, 2014a	6	EPA, 2014a	8	EPA, 2011a [b]	2	EPA, 2011a [b]
	Averaging Time (non-cancer)	days	7,300	EPA, 1989	2,190	EPA, 1989	2,920	EPA, 1989	730	EPA, 1989
	Averaging Time (cancer)	days	25,550	EPA, 1989	25,550	EPA, 1989	25,550	EPA, 1989	25,550	EPA, 1989
RESIDENTIAL EXPOSURE										
General	Exposure Frequency	days/yr	350	EPA, 2014a, 2011a [c]	350	EPA, 2014a, 2011a [c]	256	EPA, 2011a [d]	256	EPA, 2011a [d]
Inhalation of air	Exposure Time	hrs/day	24	Professional judgment	24	Professional judgment	24	Professional judgment	24	Professional judgment
	TWF (non-cancer)	**unitless**	**9.59E-01**		**9 59E-01**		**7.01E-01**		**7.01E-01**	
	TWF (cancer)	**unitless**	**2.74E-01**		**8 22E-02**		**8.02E-02**		**2.00E-02**	
Incidental ingestion of soil/dust	Ingestion rate, total	mg/day	240	EPA, 2017d	200	EPA, 2017c [e]	50	EPA, 2017d	80	EPA, 2017c [f]
	Conversion factor	*kg/mg*	*1E-06*		*1E-06*		*1E-06*		*1E-06*	
	HIF (non-cancer)	**kg/kg/d**	**2.88E-06**		**1 28E-05**		**4.38E-07**		**3.74E-06**	
	HIF (cancer)	**kg/kg-d**	**8.22E-07**		**1 10E-06**		**5.01E-08**		**1.07E-07**	
Dermal contact with soil	Adherence Factor	mg/cm^2	0.07	EPA, 2014a	0.2	EPA, 2014a	0.01	EPA, 2004b	0.04	EPA, 2004b
	Exposed Skin Surface Area	cm^2	6,032	EPA, 2014a	2,373	EPA, 2014a	6,032	EPA, 2014a	2,373	EPA, 2014a
	Conversion factor	*kg/mg*	*1E-06*		*1E-06*		*1E-06*		*1E-06*	
	HIF (non-cancer)	**kg/kg/d**	**5.06E-06**		**3.03E-05**		**5.29E-07**		**4.44E-06**	
	HIF (cancer)	**kg/kg-d**	**1.45E-06**		**2.60E-06**		**6.04E-08**		**1.27E-07**	
EXPOSURE DURING CULTURAL ACTIVITIES ON BEACHES										
General	Exposure Frequency	days/yr	62	SRC, 2019b [g]	62	SRC, 2019b [g]	18	SRC, 2019b [h]	18	SRC, 2019b [h]
Incidental ingestion of sediment	Ingestion rate, total	mg/day	240	EPA, 2017d	200	EPA, 2017c [e]	50	EPA, 2017d	80	EPA, 2017c [f]
	Conversion factor	*kg/mg*	*1E-06*		*1E-06*		*1E-06*		*1E-06*	
	HIF (non-cancer)	**kg/kg/d**	**5.10E-07**		**2 26E-06**		**3.08E-08**		**2.63E-07**	
	HIF (cancer)	**kg/kg-d**	**1.46E-07**		**1 94E-07**		**3.52E-09**		**7.51E-09**	
Dermal contact with sediment	Adherence Factor	mg/cm^2	0.07	EPA, 2014a	0.2	EPA, 2014a	0.01	EPA, 2004b	0.04	EPA, 2004b
	Exposed Skin Surface Area	cm^2	7,329	EPA, 2011a [i]	2,373	EPA, 2014a	7,329	EPA, 2011a [i]	2,373	EPA, 2014a
	Conversion factor	*kg/mg*	*1E-06*		*1E-06*		*1E-06*		*1E-06*	
	HIF (non-cancer)	**kg/kg/d**	**1.09E-06**		**5 37E-06**		**4.52E-08**		**3.12E-07**	
	HIF (cancer)	**kg/kg-d**	**3.11E-07**		**4.61E-07**		**5.16E-09**		**8.92E-09**	
EXPOSURE DURING CULTURAL ACTIVITIES IN SURFACE WATER										
General	Exposure Frequency	days/yr	91	SRC, 2019b [j]	91	SRC, 2019b [j]	34	SRC, 2019b [k]	34	SRC, 2019b [k]
	Exposure Time	hrs/day	10	SRC, 2019b [l]	10	SRC, 2019b [l]	3.6	SRC, 2019b [m]	3.6	SRC, 2019b [m]
Incidental ingestion of surface water	Ingestion rate of surface water	ml/hr	30	Update to EPA, 2011a [n]	40	Update to EPA, 2011a [n]	15	Professional judgment [o]	20	Professional judgment [o]
	Conversion factor	*L/mL*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**L/kg/d**	**9.35E-04**		**6.65E-03**		**6.29E-05**		**4.47E-04**	
	HIF (cancer)	**L/kg/d**	**2.67E-04**		**5.70E-04**		**7.19E-06**		**1.28E-05**	

TABLE 24
EXPOSURE PARAMETERS FOR COLVILLE HIGH INTENSITY RESOURCE USER POPULATION

Exposure Pathway	Exposure Parameter	Units	RME Value and Source				CTE Value and Source			
			Adult		Child		Adult		Child	
Dermal contact with surface water	Exposed Skin Surface Area	cm^2	7,329	EPA, 2011a [i]	2,373	EPA, 2014a	7,329	EPA, 2011a [i]	2,373	EPA, 2014a
	Conversion factor	*L/cm^3*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**L·hr/kg·cm/d**	**2.28E-01**		**3 94E-01**		**3.07E-02**		**5.31E-02**	
	HIF (cancer)	**L·hr/kg·cm/d**	**6.53E-02**		**3 38E-02**		**3.51E-03**		**1.52E-03**	
INGESTION OF WILD/CULTURAL PLANTS (AQUATIC AND TERRESTRIAL)										
General	Exposure Frequency	days/yr	365	[p]	365	[p]	365	[p]	365	[p]
Ingestion of Chokecherry	Average ingestion rate	g plant/day	13.2	SRC, 2019b; Fraser, 2017, 2019b [q]	6.6	IOM, 2005 [r]	6.6	SRC, 2019b; Fraser, 2017, 2019d [q]	3.3	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**1.65E-04**		**4.40E-04**		**8.25E-05**		**2.20E-04**	
	HIF (cancer)	**kg ww/kg/d**	**4.71E-05**		**3.77E-05**		**9.43E-06**		**6.29E-06**	
Ingestion of Huckleberry	Average ingestion rate	g plant/day	6.6	SRC, 2019b [s]	3.3	IOM, 2005 [r]	1.9	SRC, 2019b [s]	0.95	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**8.25E-05**		**2 20E-04**		**2.38E-05**		**6.33E-05**	
	HIF (cancer)	**kg ww/kg/d**	**2.36E-05**		**1 89E-05**		**2.71E-06**		**1.81E-06**	
Ingestion of Sarvisberry	Average ingestion rate	g plant/day	11.6	SRC, 2019b; Fraser, 2017, 2019b [t]	5.8	IOM, 2005 [r]	7.5	SRC, 2019b; Fraser, 2017; Primolicious, 2019 [t]	3.75	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**1.45E-04**		**3 87E-04**		**9.38E-05**		**2.50E-04**	
	HIF (cancer)	**kg ww/kg/d**	**4.14E-05**		**3 31E-05**		**1.07E-05**		**7.14E-06**	
Ingestion of Black Tree Lichen	Average ingestion rate	g plant/day	1.7	Fraser, 2017, 2019c; Turner, 1997 [u]	0.85	IOM, 2005 [r]	1.5	Fraser, 2017, 2019c; Turner, 1997 [u]	0.75	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**2.13E-05**		**5.67E-05**		**1.88E-05**		**5.00E-05**	
	HIF (cancer)	**kg ww/kg/d**	**6.07E-06**		**4 86E-06**		**2.14E-06**		**1.43E-06**	
Ingestion of Rose Hips	Average ingestion rate	g plant/day	4.7	SRC, 2019b; Fraser, 2019f [v]	2.35	IOM, 2005 [r]	1.7	SRC, 2019b; Fraser, 2019f [v]	0.85	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**5.88E-05**		**1 57E-04**		**2.13E-05**		**5.67E-05**	
	HIF (cancer)	**kg ww/kg/d**	**1.68E-05**		**1 34E-05**		**2.43E-06**		**1.62E-06**	
Ingestion of Kinnikinnick	Average ingestion rate	g plant/day	0.08	Professional judgment [w]	0.04	IOM, 2005 [r]	0.08	Fraser, 2017, 2019b [x]	0.04	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**1.00E-06**		**2.67E-06**		**1.00E-06**		**2.67E-06**	
	HIF (cancer)	**kg ww/kg/d**	**2.86E-07**		**2 29E-07**		**1.14E-07**		**7.62E-08**	

TABLE 24
EXPOSURE PARAMETERS FOR COLVILLE HIGH INTENSITY RESOURCE USER POPULATION

Exposure Pathway	Exposure Parameter	Units	RME Value and Source				CTE Value and Source			
			Adult		Child		Adult		Child	
Ingestion of Rose Stems/Leaves	Average ingestion rate	g plant/day	0.5	SRC, 2019b; Fraser, 2017; Ramboll, 2019a, 2019b [y]	0.25	IOM, 2005 [r]	0.2	SRC, 2019b; Fraser, 2017; Ramboll, 2019a, 2019b [y]	0.1	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**6.25E-06**		**1.67E-05**		**2.50E-06**		**6.67E-06**	
	HIF (cancer)	**kg ww/kg/d**	**1.79E-06**		**1.43E-06**		**2.86E-07**		**1.90E-07**	
Ingestion of Wild Mint	Average ingestion rate	g plant/day	2.5	SRC, 2019b; Fraser, 2017, 2019b [z]	1.25	IOM, 2005 [r]	2.5	SRC, 2019b; Fraser, 2017, 2019b [z]	1.25	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**3.13E-05**		**8 33E-05**		**3.13E-05**		**8.33E-05**	
	HIF (cancer)	**kg ww/kg/d**	**8.93E-06**		**7 14E-06**		**3.57E-06**		**2.38E-06**	
Ingestion of Hazelnut	Average ingestion rate	g plant/day	1.9	SRC, 2019b; Fraser, 2017; USDA, 2018 [aa]	0.95	IOM, 2005 [r]	0.8	SRC, 2019b; Fraser, 2017; USDA, 2018 [aa]	0.4	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**2.38E-05**		**6 33E-05**		**1.00E-05**		**2.67E-05**	
	HIF (cancer)	**kg ww/kg/d**	**6.79E-06**		**5.43E-06**		**1.14E-06**		**7.62E-07**	
Ingestion of Pine Nuts	Average ingestion rate	g plant/day	3.1	SRC, 2019b; Fraser, 2017; USDA 2018 [ab]	1.55	IOM, 2005 [r]	1.2	SRC, 2019b; Fraser, 2017; USDA 2018 [ab]	0.6	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**3.88E-05**		**1.03E-04**		**1.50E-05**		**4.00E-05**	
	HIF (cancer)	**kg ww/kg/d**	**1.11E-05**		**8 86E-06**		**1.71E-06**		**1.14E-06**	
Ingestion of Lomatium	Average ingestion rate	g plant/day	4.8	SRC, 2019b [ac]	2.4	IOM, 2005 [r]	2.6	SRC, 2019b [ac]	1.3	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**6.00E-05**		**1.60E-04**		**3.25E-05**		**8.67E-05**	
	HIF (cancer)	**kg ww/kg/d**	**1.71E-05**		**1 37E-05**		**3.71E-06**		**2.48E-06**	
Ingestion of Camas	Average ingestion rate	g plant/day	4.8	SRC, 2019b [ad]	2.4	IOM, 2005 [r]	2.6	SRC, 2019b [ad]	1.3	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**6.00E-05**		**1.60E-04**		**3.25E-05**		**8.67E-05**	
	HIF (cancer)	**kg ww/kg/d**	**1.71E-05**		**1 37E-05**		**3.71E-06**		**2.48E-06**	
Ingestion of Spring beauty/Indian potato	Average ingestion rate	g plant/day	2.2	SRC, 2019b [ae]	1.1	IOM, 2005 [r]	2.2	SRC, 2019b [ae]	1.1	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**2.75E-05**		**7 33E-05**		**2.75E-05**		**7.33E-05**	
	HIF (cancer)	**kg ww/kg/d**	**7.86E-06**		**6 29E-06**		**3.14E-06**		**2.10E-06**	
Ingestion of Tule	Average ingestion rate	g plant/day	1.1	Fraser, 2017, 2019a; Ramboll 2019a, 2019b [af]	--	[ag]	0.1	Fraser, 2017, 2019a; Ramboll 2019a, 2019b [af]	--	[ag]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**1.38E-05**		**--**		**1.25E-06**		**--**	
	HIF (cancer)	**kg ww/kg/d**	**3.93E-06**		**--**		**1.43E-07**		**--**	

TABLE 24
EXPOSURE PARAMETERS FOR COLVILLE HIGH INTENSITY RESOURCE USER POPULATION

Exposure Pathway	Exposure Parameter	Units	RME Value and Source				CTE Value and Source			
			Adult		Child		Adult		Child	
Ingestion of Willow	Average ingestion rate	g plant/day	1.1	Fraser, 2017, 2019a; Ramboll 2019a, 2019b [ah]	--	[ag]	0.1	Fraser, 2017, 2019a; Ramboll 2019a, 2019b [ah]	--	[ag]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**1.38E-05**		**--**		**1.25E-06**		**--**	
	HIF (cancer)	**kg ww/kg/d**	**3.93E-06**		**--**		**1.43E-07**		**--**	
OTHER TISSUE INGESTION SCENARIOS										
General	Exposure Frequency	days/yr	365	[p]	365	[p]	365	[p]	365	[p]
Ingestion of wild game	Average ingestion rate	g/day	42	SRC, 2019b [ai]	13	SRC, 2019b [ai]	12	SRC, 2019b [ai]	3.8	SRC, 2019b [ai]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**5.25E-04**		**8.67E-04**		**1.50E-04**		**2.53E-04**	
	HIF (cancer)	**kg ww/kg/d**	**1.50E-04**		**7.43E-05**		**1.71E-05**		**7.24E-06**	
Ingestion of waterfowl	Average ingestion rate	g game/day	1.6	SRC, 2019b [aj]	0.8	IOM, 2005 [r]	1.4	SRC, 2019b [ak]	0.7	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**2.00E-05**		**5 33E-05**		**1.75E-05**		**4.67E-05**	
	HIF (cancer)	**kg ww/kg/d**	**5.71E-06**		**4 57E-06**		**2.00E-06**		**1.33E-06**	
Ingestion of upland birds	Average ingestion rate	g/day	6.8	SRC, 2019b [al]	3.4	IOM, 2005 [r]	3.2	SRC, 2019b [al]	1.6	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**8.50E-05**		**2 27E-04**		**4.00E-05**		**1.07E-04**	
	HIF (cancer)	**kg ww/kg/d**	**2.43E-05**		**1 94E-05**		**4.57E-06**		**3.05E-06**	
Ingestion of fish	Average ingestion rate	g fish/day	400	WQSA, 2014 [am]	200	WQSA, 2014; IOM, 2005 [an]	80	Fraser, 2019e [ao]	40	Fraser, 2019e; IOM, 2005 [an]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**5.00E-03**		**1 33E-02**		**1.00E-03**		**2.67E-03**	
	HIF (cancer)	**kg ww/kg/d**	**1.43E-03**		**1 14E-03**		**1.14E-04**		**7.62E-05**	
Ingestion of mussels	Average ingestion rate	g mussel/day	5.8	SRC, 2019b [ap]	2.9	IOM, 2005 [r]	1.7	SRC, 2019b [aq]	0.85	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**7.25E-05**		**1 93E-04**		**2.13E-05**		**5.67E-05**	
	HIF (cancer)	**kg ww/kg/d**	**2.07E-05**		**1.66E-05**		**2.43E-06**		**1.62E-06**	
Ingestion of crayfish	Average ingestion rate	g crayfish/day	5.8	SRC, 2019b [ar]	2.9	IOM, 2005 [r]	2.5	SRC, 2019b [as]	1.3	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**7.25E-05**		**1 93E-04**		**3.13E-05**		**8.33E-05**	
	HIF (cancer)	**kg ww/kg/d**	**2.07E-05**		**1.66E-05**		**3.57E-06**		**2.38E-06**	
Ingestion of amphibians/ reptiles	Average ingestion rate	g tissue/day	5.8	SRC, 2019b [ay]	2.9	IOM, 2005 [r]	4.2	SRC, 2019b [au]	2.1	IOM, 2005 [r]
	Conversion factor	*kg/g*	*1E-03*		*1E-03*		*1E-03*		*1E-03*	
	HIF (non-cancer)	**kg ww/kg/d**	**7.25E-05**		**1 93E-04**		**5.25E-05**		**1.40E-04**	
	HIF (cancer)	**kg ww/kg/d**	**2.07E-05**		**1.66E-05**		**6.00E-06**		**4.00E-06**	

Notes:
[a] Table 8-3 of EPA (2011a): weighted mean values for adults 21-78 years old. Table 8-1 of EPA (2011a): weighted average of mean body weights (birth to <6 years)
[b] Table 16-5 of EPA (2011a): mean value for residential occupancy = 12 years. Dividing that into adult and child portions using the same ratio as for the RME (e.g., 6/27) yields ~9 years for the adult and ~3 years for the child.
[c] 95th percentile value of time spent in a residence is equivalent to 100% of the time; EPA (2011a) Table 16-16. 350 days/yr assumes 2 weeks' vacation away from home.

TABLE 24
EXPOSURE PARAMETERS FOR COLVILLE HIGH INTENSITY RESOURCE USER POPULATION

Exposure Pathway	Exposure Parameter	Units	RME Value and Source		CTE Value and Source	
			Adult	Child	Adult	Child

[d] Based on an estimate of 70% of time spent at home (EPA, 2011a, Table 16-16, mean time spent at home in all rooms, doers only; 1001.4 minutes/1440 minutes = 70%). 70% x 365 days = 256 days.
[e] Upper percentile, general population children, soil + dust
[f] Central tendency, general population children 1<6 years, soil + dust
[g] 95th percentile value of time spent on the land (days/yr); age/sex combined (no significant difference between gender when all ages are combined).
[h] Mean value of time spent on the land (days/yr); age/sex combined (no significant difference between gender when all ages are combined).
[i] Time weighted mean of head, hands, forearms, lower legs, and feet (male and female, age 21+ years).
[j] 95th percentile value of time spent in the water (days/yr); age/sex combined (no significant difference between gender when all ages are combined).
[k] Mean value of time spent in the water (days/yr); age/sex combined (no significant difference between gender when all ages are combined).
[l] 95th percentile value of time spent in the water (hours/day); age/sex combined (no significant difference between gender when all ages are combined).
[m] Mean value of time spent in the water (hours/day); age/sex combined (no significant difference between gender when all ages are combined).
[n] Mean recommended value for water ingestion while swimming. Water-related activities evaluated in this exposure pathway (e.g., gathering plants, fishing) are assumed to have lower ingestion rates than swimming (Table 3-93 in EPA (2011a) shows that water ingestion rates while fishing are less than half the average ingestion rate while swimming)
[o] CTE ingestion rate assumed to be half that of the RME receptor.
[p] Intake rates for plant and animal tissue are representative of a daily intake (g/day) averaged across a year; therefore, the exposure frequency is set to 365 days/yr.
[q] P95 consumption frequency = 30 days/year; Mean consumption frequency = 15 days/year (SRC, 2019b). Meal size = 1 cup (Fraser, 2017). Weight = 160 g (Fraser, 2019d).
[r] Child DCRs were derived by multiplying the adult DCR by a ratio of children-to-adult dietary intake which was estimated using energy requirements for children and adults based on regression models presented in IOM (2005) (see Appendix 14 of the Site-wide HHRA).
[s] P95 consumption frequency = 52 days/year; Mean consumption frequency = 15 days/year (SRC, 2019b). Mean meal size = 46 g (SRC, 2019b).
[t] P95 consumption frequency = 25 days/year; Mean consumption frequency = 16 days/year (SRC, 2019b). Meal size = 1 cup (Fraser, 2017). Weight = 170 g (Primolicious, 2019).
[u] P95 consumption frequency = 12 days/year; Mean consumption frequency = 10 days/year (Fraser, 2017). Meal size = 1/2 cup (Fraser, 2017; SRC, 2019b). Weight = 53 g (2 5 cups fresh lichen); volume is reduced to 20-25% of original through cooking. So this serving would start out as 2 or 2.5 cups fresh (Turner, 1997; Fraser, 2019b).
[v] P95 consumption frequency = 64 days/year; Mean consumption frequency = 23 days/year (SRC, 2019b). Meal size = 27g (handful [10 hips] Fraser, 2019f).
[w] Assumed RME DCR to be equal to CTE DCR.
[x] Mean consumption frequency = 6 days/year (Fraser, 2017). Assumed RME consumption frequency is equal to CTE consumption frequency. Meal size = handful of leaves per 1.5 quarts water (Fraser, 2017). Weight = 5 g fresh (direct measure; Fraser, 2019a).
[y] P95 consumption frequency = 64 days/year; Mean consumption frequency = 23 days/year (SRC, 2019b). Meal size = 1 foot total leaves/branches/hips per 1.5 quarts water (Fraser, 2017). Weight = For all samples collected, mean is 0.103 g/cm ww; 3.1 g/foot (Ramboll, 2019a [Appendix F of Appendix A]; Ramboll, 2019b).
[z] P95 consumption frequency = 30 days/year; Mean consumption frequency = 30 days/year (SRC, 2019b). Meal size = a bundle 4" x 1.5" per 1.5 quarts of water (Fraser, 2017). Weight = a bundle of 4" length and 1.5" diameter is 30 g fresh (direct measure; Fraser, 2019a).
[aa] P95 consumption frequency = 25 days/year; Mean consumption frequency = 10 days/year (SRC, 2019b). Meal size = 28.35 g (1 ounce; Fraser, 2017; USDA, 2018). Weight = 28.35 g (USDA, 2018).
[ab] P95 consumption frequency = 40 days/year; Mean consumption frequency = 15 days/year (SRC, 2019b). Meal size = 28.35 g (1 ounce; Fraser, 2017; USDA, 2018). Weight = 28.35 g (USDA, 2018).
[ac] P95 consumption frequency = 26 days/year; Mean consumption frequency = 14 days/year (SRC, 2019b). Mean meal size estimate for bitter root and lomatium = 66.8 g (Table 18,SRC, 2019b).
[ad] P95 consumption frequency = 26 days/year; Mean consumption frequency = 14 days/year (SRC, 2019b). Mean meal size estimate for bitter root and lomatium = 66.8 g (Table 18,SRC, 2019b).
[ae] P95 consumption frequency = 12 days/year; Mean consumption frequency = 12 days/year (SRC, 2019b). Mean meal size estimate for bitter root and lomatium = 66.8 g (Table 18,SRC, 2019b).
[af] CTE consumption frequency = 39.85 hours per year weaving/carving (Fraser, 2017). Meal size = 170cm per hour (Fraser, 2019a). Weight = For all samples collected, mean is 0.117 g/cm ww (Ramboll 2019a, 2019b). The RME DCR assumes 50% of the mean mouthed weight is ingested (Fraser, 2019a). The CTE DCR assumes 5% of mean mouthed weight is ingested (Fraser, 2019a).
[ag] Exposure pathway is incomplete for 0-6 age group (personal communication with Marc Stifelman during 7-9-19 meeting).
[ah] CTE consumption frequency = 92.72 hours per year weaving/carving (Fraser, 2017). Meal size = 30cm per hour (Fraser, 2019a). Weight = For all samples collected, mean is 0.282 g/cm ww (Ramboll 2019a and 2019b). The RME DCR assumes 50% of the mean mouthed weight is ingested (Fraser, 2019a). The CTE DCR assumes 5% of mean mouthed weight is ingested (Fraser, 2019a).
[ai] Adult CTE and RME ingestion rates for wild game (venison) were estimated using a two-part regression model developed by the National Cancer Institute (NCI; Tooze et al., 2006), with data provided by the Tribal Survey 24-hour dietary recall interviews. Child estimates were calculated by multiplying the DCR estimates for adults (by NCI method) to the ratio of the average meal size for children to the average meal size for adults. Meal size estimates did not use sample weights due to the small sample size for children.
[aj] The P95 adult DCR for waterfowl is the product of the mean meal size for chicken and P95 daily consumption frequency for waterfowl.
[ak] The mean adult DCR for waterfowl is the product of the mean meal size for chicken and mean daily consumption frequency for waterfowl.

TABLE 24
EXPOSURE PARAMETERS FOR COLVILLE HIGH INTENSITY RESOURCE USER POPULATION

Exposure Pathway	Exposure Parameter	Units	RME Value and Source		CTE Value and Source	
			Adult	Child	Adult	Child

[al] The CTE for ingestion rate is the product of the mean daily frequency of consuming upland birds sourced from the Local Area (11.6 days/year) and the mean consumption amounts (on consumption days) for chicken (100 grams). The RME for ingestion rate for upland birds was estimated using the 95th percentile for daily frequency of consuming upland birds from the Local Area (24.7 days/year) and the mean consumption amounts (on consumption days) for chicken (100 grams).

[am] The RME value of 400 g/day recommended by the Natural Resources Committee and approved by the Colville Business Council as the fish consumption rate used for the purpose of deriving new water quality standards to protect the use of reservation waters for a subsistence fishery.

[an] The CCT did not provide child DCRs. Therefore, to complete this exposure pathway child DCRs were derived by mulltiplying the adult DCR by a ratio of children-to-adult dietary intake which was estimated using energy requirements for children and adults based on regression models presented in IOM (2005) (see Appendix X).

[ao] Value is based on a median frequency of ingestion by regular fish eaters and a 90th percentile meal size.

[ap] 0.0833 1/day * 70.1 g/day. Frequency estimates for mussels include all (local and not local) sources (P95= 30 days/year). Total grams of intake on consumption days (meal size) = 70.1 grams (mean). Meal size totals are based on Tribal survey AMPM data for all mollusks and crustaceans.

[aq] 0.0240 1/day * 70.1 g/day. Frequency estimates for mussels include all (local and not local) sources (mean = 9 days/year). Total grams of intake on consumption days (meal size) = 70.1 grams (mean). Meal size totals are based on Tribal survey AMPM data for all mollusks and crustaceans.

[ar] 0.0833 1/day * 70.1 g/day. Frequency estimates for crayfish are based on local area only (P95= 30 days/year). Total grams of intake on consumption days (meal size) = 70.1 grams (mean). Meal size totals are based on Tribal survey AMPM data for all mollusks and crustaceans.

[as] 0.0362 1/day * 70.1 g/day. Frequency estimates for crayfish are based on local area only (mean = 13 days/year). Total grams of intake on consumption days (meal size) = 70.1 grams (mean). Meal size totals are based on Tribal survey AMPM data for all mollusks and crustaceans.

[at] 0.0833 1/day * 70.1 g/day. Frequency estimates for aquatic organisms were reported only for local area (95%=30 days/year). Total grams of intake on consumption days = 70.1 grams (mean). Daily ingestion totals are based on Tribal survey AMPM data for all mollusks and crustaceans.

[au] 0.0600 1/day * 70.1 g/day. Frequency estimates for aquatic organisms were reported only for local area (mean=22 days/year). Total grams of intake on consumption days = 70.1 grams (mean). Daily ingestion totals are based on Tribal survey AMPM data for all mollusks and crustaceans.

Table 25. Age-dependent Inputs to the IEUBK Model Based on TRW Lead Committee Recommendations (EPA, 2016, 2017a)

Age[1] (months)	Air		Diet[3]	Water[4]	Soil-Dust[5]
	Time Outdoors (hours)	Ventilation Rate[2] (cubic meters per day [m^3/day])	Dietary Intake (μg/day)	Intake (L/day)	Intake IR_{SD} (milligrams per day [mg/day])[6]
0 to <12	1.0	3.22	2.66	0.4	86
12 to <24	2.0	4.97	5.03	0.43	94
24 to <36	3.0	6.09	5.21	0.51	67
36 to <48	4.0	6.95	5.38	0.54	63
48 to <60	4.0	7.68	5.64	0.57	67
60 to <72	4.0	8.32	6.04	0.6	52

[1]The recommended age range for Superfund sites using the IEUBK model is 12-72 months (EPA, 2017a).
[2]The values shown are the midpoint of the age range. This version of the IEUBK model (version 1.1, build 11) uses the midpoint values of the regression equation used to calculate inhalation rate as a continuous non-linear function of age (EPA, 2016).
[3]TRW Lead Committee analysis (EPA, 2016) of Dietary Pb Concentration 1995-2005 (FDA, 2010); Dietary intake 2003-06 NHANES What We Eat in America (WWEIA) (CDC, 2010a, 2010b); Methodology National Cancer Institute (NCI) Method (Parsons et al., 2009; Tooze et al, 2006)
[4]TRW Lead Committee analysis (EPA, 2016) of Office of Water Six-Year data (EPA, 2010a, 2010b)
[5]Soil-dust ingestion rate in the IEUBK model is apportioned as follows: 45% intake is soil and 55% intake is dust
[6]TRW Lead Committee analysis (EPA, 2016) of age-specific values derived from structural equations modeling of children from Bunker Hill Superfund Site assuming 50% dust, 25% yard soil, 10% neighborhood soil, and 15% community soil (von Lindern et al., 2016)

Table 26. Estimation of Adult DCRs for Wild/Cultural Plants

Species	Consumption (Use) Frequency (days/year)		Meal Size	Mean Meal Size (g)	Adult DCR (g/day)		Notes/Source
	RME	CTE			RME	CTE	
Chokecherry	30	15	1 cup	160	13.2	6.6	Freq: SRC, 2019a; Meal size: Fraser, 2017; Fraser, 2019e
Huckleberry	52	15	Mean for adults: 46 g	46	6.6	1.9	SRC, 2019a
Sarvisberry	25	16	1 cup (6 ounces; 170 g)[1]	170	11.6	7.5	Freq: SRC, 2019a; Meal size: Fraser, 2017; Primolicious LLC, 2019
Black tree lichen	12	10	½ cup; volume reduced to 20-25% through cooking, so ½ cup cooked = 2.5 cups fresh (53 g)	53	1.7	1.5	Freq: Fraser, 2017; Meal size: Fraser, 2019f; Turner, 1997
Wild rose (hips)	64	23	27 g fresh rose hips used to make tea	27	4.7	1.7	Freq: SRC, 2019a; Meal size: Fraser, 2019g
Kinnikinnick	6[2]	6	Handful of leaves per 1.5 quarts (qts) water (5 g fresh)	5	0.08	0.08	Freq: Fraser, 2017; Meal size: Fraser, 2019e and direct measure
Wild rose (stems, leaves)	64	23	1 ft leaves/stems/ hips per 1.5 qts water. For all samples, mean = 0.103 grams per centimeter (g/cm) ww; 3.1 grams per foot (g/ft)	3.1	0.5	0.2	Freq: SRC, 2019a; Meal size: Fraser, 2017; TAI, 2019; Ramboll, 2019
Wild mint	30	30	1 bundle (4” long × 1.5” diameter) per 1.5 qts water; = 30 g fresh	30	2.5	2.5	Freq: SRC, 2019a; Meal size: Fraser, 2017; Fraser, 2019e and direct measure
Hazelnut	25	10	1 ounce (28.35 g)	28.35	1.9	0.8	Freq: SRC, 2019a; Meal size: Fraser, 2017; USDA, 2018
Ponderosa pine nut	40	15	1 ounce (28.35 g)	28.35	3.1	1.2	Freq: SRC, 2019a; Meal size: Fraser, 2017; USDA, 2018
Lomatium (root)	26	14	Mean meal size for bitter root and lomatium	66.8	4.8	2.6	SRC, 2019a
Camas (bulb)	26	14	Mean meal size for bitter root and lomatium	66.8	4.8	2.6	SRC, 2019a
Spring beauty/Indian potato (corm)	12	12	Mean meal size for bitter root and lomatium	66.8	2.2	2.2	SRC, 2019a
Tule	NA	39.85 hr/yr	170 centimeters per hour (cm/hr); for all samples	0.117	1.1	0.1	Freq: Fraser, 2017; Processing

Table 26. Estimation of Adult DCRs for Wild/Cultural Plants

Species	Consumption (Use) Frequency (days/year)		Meal Size	Mean Meal Size (g)	Adult DCR (g/day)		Notes/Source
	RME	CTE			RME	CTE	
			collected, mean weight is 0.117 g/cm ww				info: Fraser, 2019a; Assumed meal size[3]
Willow	NA	92.72 hr/yr	30 cm/hr; Overall mean is 0.282 g/cm ww	0.282	1.1	0.1	Freq: Fraser, 2017; Processing info: Fraser, 2019a; assumed meal size[3]

[1]Meal size determined using online produce converter for blueberries (www.howmuchisin.com)
[2]No RME frequency available; assumed RME = CTE frequency (Fraser, 2017)
[3]RME assumes 50% ingested during mouthing per use; CTE assumes 5% ingested during mouthing per use. The selected percentages of ingestion associated with mouthing willow samplings are uncertain. The range of 5/50% was used as a reasonable assumption to estimate ingestion associated with processing waving materials as CTE and RME estimates, respectively.

Table 27. Results of Exposure to Lead in Soil and Indoor Dust at Tribal Allotments[a]

Tribal Allotment DU	Predicted Geometric Mean PbB (µg/dL)	Probability of Exceeding 3 µg/dL	Probability of Exceeding 5 µg/dL	Probability of Exceeding 8 µg/dL
258	5.3	**88.9%**	**55.3%**	**19.3%**
259	2.5	**34.3%**	**6.8%**	0.6%
420	4.0	**73.4%**	**32.2%**	**7.2%**
421	2.9	**47.9%**	**12.7%**	1.6%
410	3.4	**59.3%**	**19.7%**	3.2%
412[b]	1.1	1.9%	0.1%	<0.1%
413	4.2	**75.7%**	**34.8%**	**8.2%**
401	7.0	**96.3%**	**75.8%**	**38.2%**
402	4.3	**78.4%**	**38.2%**	**9.7%**
403	3.5	**62.6%**	**22.2%**	3.9%
440	1.9	**17.2%**	2.1%	0.1%
441	5.2	**87.7%**	**52.9%**	**17.7%**
442	2.6	**37.6%**	**8.0%**	0.8%
430	2.6	**38.2%**	**8.3%**	0.8%
431	1.7	**11.7%**	1.1%	0.1%
432	2.9	**46.1%**	**11.8%**	1.4%
801-O1	1.2	2.8%	0.1%	<0.1%
801-O2	1.1	2.0%	0.1%	<0.1%
801-O3	1.2	3.0%	0.2%	<0.1%
802-O1	2.0	**18.1%**	2.3%	0.1%
803-O1	3.6	**65.9%**	**24.9%**	4.7%
803-O2	2.9	**47.3%**	**12.4%**	1.6%
803-O3	2.5	**33.2%**	**6.4%**	0.6%
804-O1	1.7	**10.6%**	1.0%	<0.1%
804-O2	2.6	**36.8%**	**7.7%**	0.8%
805-O1	1.3	3.5%	0.2%	<0.1%
805-O2	1.3	4.1%	0.2%	<0.1%
806-O1	1.2	2.8%	0.1%	<0.1%
806-O2	1.2	2.9%	0.1%	<0.1%
806-O3	1.4	4.6%	0.3%	<0.1%
806-O4	1.3	3.4%	0.2%	<0.1%
806-O5	1.1	3.4%	0.2%	<0.1%
807-O1	1.2	2.8%	0.1%	<0.1%
808-O1	1.3	3.2%	0.2%	<0.1%
808-O2	1.3	3.3%	0.2%	<0.1%

aValues in bold exceed risk benchmarks for lead.
bThis DU underwent a removal action; maximum backfill concentrations are used as the soil EPC.

Table 28. Results of IEUBK Model for Exposure to Sediment at Tribal Allotment Beach

Receptor	Predicted Geometric Mean PbB (µg/dL)	Probability of Exceeding 3 µg/dL	Probability of Exceeding 5 µg/dL	Probability of Exceeding 8 µg/dL
CHIRU child	2.9	**47.8%**	**12.7%**	1.6%

Bold values exceed lead risk benchmark.

Table 29. Results of IEUBK Model for Exposure to Surface Water at Tribal Allotment Beach

Receptor	Predicted Geometric Mean PbB (µg/dL)	Probability of Exceeding 3 µg/dL	Probability of Exceeding 5 µg/dL	Probability of Exceeding 8 µg/dL
CHIRU child	2.96	**48.8%**	**13.2%**	1.7%

Bold values exceed lead risk benchmarks.

Table 30. Lead Intakes by Plant Type for Children

Plant Species	Plant Part	Mean Lead Conc in Plant (µg/g ww)	Plant DCR (g/day)	Lead Intake (µg Pb/day)
Chokecherry	Berry	0.014	3.3	<0.1
Huckleberry	Berry	0.013	0.95	<0.1
Sarvisberry	Berry	1.68	3.75	**6.3**
Black Tree Lichen	Entire	33.4	0.75	**25.0**
Rose hips	Hips	0.0499	0.85	<0.1
Kinnikinnick	Leaves	0.621	0.04	<0.1
Rose stems/leaves	Leaves	0.59	0.1	0.1
Wild mint	Leaves	0.091	1.25	0.1
Hazelnut	Nut	0.004	0.4	<0.1
Ponderosa pine	Nut	0.477	0.6	0.3
Lomatium	Root	10.5	1.3	**13.7**
Camas	Root/bulb	12.1	1.3	**15.7**
Spring beauty/Indian potato	Root/Corm	15.4	1.1	**17.0**

Note: Tule and Willow are not included in this table because children are assumed to not engage in basket-weaving (Stifelman, 2019). See Table 31.

Table 31. Lead Intakes During Basket Weaving by Plant Type for Adults

Species	Plant Part	Concentration of Lead in Plant (µg/g ww)	DCR[1] (g/day)	Intake of Lead (µg Pb/day)
Tule	Root/culm	0.031	0.1	<0.1
Willow	Stem	0.155	0.1	<0.1

[1]Assumes 5% ingested during mouthing per use.

Table 32. Lead Intakes from Fish, by Species, for the CHIRU Child

Fish DCR (g/day)	Lead Intake Burbot (µg Pb/day)	Lead Intake Kokanee (µg Pb/day)	Lead Intake Northern Pike (µg Pb/day)	Lead Intake Rainbow Trout (µg Pb/day)	Lead Intake SM Bass (µg Pb/day)	Lead Intake Sturgeon (µg Pb/day)	Lead Intake Sucker (µg Pb/day)	Lead Intake Walleye (µg Pb/day)	Lead Intake Whitefish (µg Pb/day)
40	0.9	0.2	0.1	0.9	0.7	0.2	**5.4**	**1.0**	0.4

Table 33. Lead Intakes from Site-associated Biota other than Plants

Species	UCR Reach	Concentration of Lead in Organism (µg/g ww)	DCR (g/day)	Intake of Lead (µg Pb/day)
Mussels	1	0.690	0.85	0.6
	2	0.498	0.85	0.4
	3	0.454	0.85	0.4
	4	0.100	0.85	0.1
	5	0.215	0.85	0.2
	6	0.237	0.85	0.2
	Site-wide	0.366	0.85	0.3
	Reference area	0.0778	0.85	0.1
Crayfish	2	0.557	1.27	0.7
	5	0.697	1.27	0.9
	6	0.347	1.27	0.4
	Site-wide	0.533	1.27	0.7
	Reference area	0.0587	1.27	0.1
Amphibians and Reptiles	2	0.557	2.1	**1.2**
	5	0.697	2.1	**1.5**
	6	0.347	2.1	0.7
	Site-wide	0.533	2.1	**1.1**
Waterfowl	Lower Region	0.012	0.7	<0.1
	Middle Region	0.048	0.7	<0.1
	Upper Region	0.35	0.7	0.2
Upland Birds	Site-wide	1.53	1.6	**2.4**
Wild Game (Mammals)	Site-wide	0.0044	3.8	<0.1

Table 34. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 258 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	17585	1 0E+00	P	--	--				Nervous	2 2E-01	0 2	5 1E-02	0 05	1 9E-02		1 4E-02		
	Antimony	10 2	4 0E-04	I	--	--				Hematologic	1 3E-04	0 3	2 9E-05	0 07	1 1E-05		8 4E-06		
	RBA adjusted Arsenic	11 8	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 5E-04	0 5	3 4E-05	0 1	1 3E-05	2E-05	9 7E-06	1E-05	3E-05
	Cadmium	16 0	1 0E-03	I	--	--				Urinary	2 0E-04	0 2	4 6E-05	0 05	1 7E-05		1 3E-05		
	Chromium	10 3	3 0E-03	I	--	--			(a)	--	1 3E-04	0 04	3 0E-05	0 01	1 1E-05		8 4E-06		
	Cobalt	4 8	3 0E-04	P	--	--				Endocrine	6 1E-05	0 2	1 4E-05	0 05	5 2E-06		3 9E-06		
	Iron	12238	7 0E-01	P	--	--				Gastrointestinal	1 6E-01	0 2	3 5E-02	0 05	1 3E-02		1 0E-02		
	Manganese	670	2 4E-02	S	--	--				Nervous	8 6E-03	0 4	1 9E-03	0 08	7 3E-04		5 5E-04		
	Nickel	9 2	1 1E-02	C	--	--				Developmental	1 2E-04	0 01	2 6E-05	0 002	1 0E-05		7 5E-06		
	Thallium	0 50	1 0E-05	X	--	--				Skin, Hair & Nails	6 4E-06	0 6	1 4E-06	0 1	5 5E-07		4 1E-07		
	Vanadium	20 8	5 0E-03	S	--	--				Skin, Hair & Nails	2 7E-04	0 05	6 0E-05	0 01	2 3E-05		1 7E-05		
										Soil/Dust Ingestion Total		**3**		**0.6**		**2E-05**		**1E-05**	**3E-05**
Dermal Contact with Soil	Aluminum	21060	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	12 2	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	51 9	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	4 7E-05	0 2	7 9E-06	0 03	4 0E-06	6E-06	2 3E-06	3E-06	9E-06
	Cadmium	19 1	1 0E-03	I	--	--	0 001	0 025		Urinary	5 8E-07	0 02	9 7E-08	0 004	5 0E-08		2 8E-08		
	Chromium	12 3	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	5 7	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	14656	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	802	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	11 0	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 60	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	25 0	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.2**		**0.03**		**6E-06**		**3E-06**	**9E-06**
										Soil/Dust Total		**3**		**0.7**		**3E-05**		**2E-05**	**4E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 7	0 1
Developmental HI	0 01	0 002
Endocrine HI	0 2	0 05
Gastrointestinal HI	0 2	0 05
Hematologic HI	0 3	0 07
Nervous HI	0 6	0 1
Skin, Hair and Nails HI	1	0 3
Urinary HI	0 2	0 05

Table 35. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 259 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	15631	1 0E+00	P	--	--				Nervous	2 0E-01	0 2	4 5E-02	0 04	1 7E-02		1 3E-02		
	Antimony	3 2	4 0E-04	I	--	--				Hematologic	4 0E-05	0 1	9 1E-06	0 02	3 5E-06		2 6E-06		
	RBA adjusted Arsenic	5 4	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	7 0E-05	0 2	1 6E-05	0 05	6 0E-06	9E-06	4 5E-06	7E-06	2E-05
	Cadmium	5 7	1 0E-03	I	--	--				Urinary	7 3E-05	0 07	1 7E-05	0 02	6 3E-06		4 7E-06		
	Chromium	14 7	3 0E-03	I	--	--			(a)	--	1 9E-04	0 06	4 2E-05	0 01	1 6E-05		1 2E-05		
	Cobalt	5 3	3 0E-04	P	--	--				Endocrine	6 8E-05	0 2	1 5E-05	0 05	5 8E-06		4 3E-06		
	Iron	14830	7 0E-01	P	--	--				Gastrointestinal	1 9E-01	0 3	4 3E-02	0 06	1 6E-02		1 2E-02		
	Manganese	511	2 4E-02	S	--	--				Nervous	6 5E-03	0 3	1 5E-03	0 06	5 6E-04		4 2E-04		
	Nickel	11 5	1 1E-02	C	--	--				Developmental	1 5E-04	0 01	3 3E-05	0 003	1 3E-05		9 5E-06		
	Thallium	0 29	1 0E-05	X	--	--				Skin, Hair & Nails	3 7E-06	0 4	8 3E-07	0 08	3 2E-07		2 4E-07		
	Vanadium	26 3	5 0E-03	S	--	--				Skin, Hair & Nails	3 4E-04	0 07	7 6E-05	0 01	2 9E-05		2 2E-05		
										Soil/Dust Ingestion Total		**2**		**0.4**		**9E-06**		**7E-06**	**2E-05**
Dermal Contact with Soil	Aluminum	18720	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	3 8	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	23 6	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	2 2E-05	0 07	3 6E-06	0 01	1 8E-06	3E-06	1 0E-06	2E-06	4E-06
	Cadmium	6 9	1 0E-03	I	--	--	0 001	0 025		Urinary	2 1E-07	0 008	3 5E-08	0 001	1 8E-08		9 9E-09		
	Chromium	17 6	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	6 3	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	17760	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	612	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	13 8	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 34	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	31 4	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.08**		**0.01**		**3E-06**		**2E-06**	**4E-06**
										Soil/Dust Total		**2**		**0.4**		**1E-05**		**8E-06**	**2E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 3	0 06
Developmental HI	0 01	0 003
Endocrine HI	0 2	0 05
Gastrointestinal HI	0 3	0 06
Hematologic HI	0 1	0 02
Nervous HI	0 5	0 1
Skin, Hair and Nails HI	0 7	0 2
Urinary HI	0 08	0 02

Table 36. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 401 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	26152	1 0E+00	P	--	--				Nervous	3 3E-01	0 3	7 5E-02	0 08	2 9E-02		2 1E-02		
	Antimony	15 7	4 0E-04	I	--	--				Hematologic	2 0E-04	0 5	4 5E-05	0 1	1 7E-05		1 3E-05		
	RBA adjusted Arsenic	21 2	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	2 7E-04	0 9	6 1E-05	0 2	2 3E-05	3E-05	1 7E-05	3E-05	6E-05
	Cadmium	20 5	1 0E-03	I	--	--				Urinary	2 6E-04	0 3	5 9E-05	0 06	2 3E-05		1 7E-05		
	Chromium	16 7	3 0E-03	I	--	--			(a)	--	2 1E-04	0 07	4 8E-05	0 02	1 8E-05		1 4E-05		
	Cobalt	7 3	3 0E-04	P	--	--				Endocrine	9 3E-05	0 3	2 1E-05	0 07	8 0E-06		6 0E-06		
	Iron	19639	7 0E-01	P	--	--				Gastrointestinal	2 5E-01	0 4	5 6E-02	0 08	2 2E-02		1 6E-02		
	Manganese	949	2 4E-02	S	--	--				Nervous	1 2E-02	0 5	2 7E-03	0 1	1 0E-03		7 8E-04		
	Nickel	13 9	1 1E-02	C	--	--				Developmental	1 8E-04	0 02	4 0E-05	0 004	1 5E-05		1 1E-05		
	Thallium	0 79	1 0E-05	X	--	--				Skin, Hair & Nails	1 0E-05	1	2 3E-06	0 2	8 7E-07		6 5E-07		
	Vanadium	34 3	5 0E-03	S	--	--				Skin, Hair & Nails	4 4E-04	0 09	9 9E-05	0 02	3 8E-05		2 8E-05		
										Soil/Dust Ingestion Total		**4**		**1**		**3E-05**		**3E-05**	**6E-05**
Dermal Contact with Soil	Aluminum	31320	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	18 8	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	97 0	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	8 8E-05	0 3	1 5E-05	0 05	7 6E-06	1E-05	4 2E-06	6E-06	2E-05
	Cadmium	24 6	1 0E-03	I	--	--	0 001	0 025		Urinary	7 5E-07	0 03	1 2E-07	0 005	6 4E-08		3 6E-08		
	Chromium	20 0	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 7	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	23520	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	1136	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	16 7	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 95	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	41 0	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.3**		**0.05**		**1E-05**		**6E-06**	**2E-05**
										Soil/Dust Total		**5**		**1**		**5E-05**		**3E-05**	**8E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	1	0 3
Developmental HI	0 02	0 004
Endocrine HI	0 3	0 07
Gastrointestinal HI	0 4	0 08
Hematologic HI	0 5	0 1
Nervous HI	0 8	0 2
Skin, Hair and Nails HI	2	0 5
Urinary HI	0 3	0 06

Table 37. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 402 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	12122	1 0E+00	P	--	--				Nervous	1 5E-01	0 2	3 5E-02	0 03	1 3E-02		1 0E-02		
	Antimony	6 3	4 0E-04	I	--	--				Hematologic	8 0E-05	0 2	1 8E-05	0 05	6 9E-06		5 2E-06		
	RBA adjusted Arsenic	8 8	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 1E-04	0 4	2 5E-05	0 08	9 7E-06	1E-05	7 2E-06	1E-05	3E-05
	Cadmium	8 9	1 0E-03	I	--	--				Urinary	1 1E-04	0 1	2 6E-05	0 03	9 8E-06		7 4E-06		
	Chromium	14 9	3 0E-03	I	--	--			(a)	--	1 9E-04	0 06	4 3E-05	0 01	1 6E-05		1 2E-05		
	Cobalt	4 8	3 0E-04	P	--	--				Endocrine	6 2E-05	0 2	1 4E-05	0 05	5 3E-06		4 0E-06		
	Iron	13534	7 0E-01	P	--	--				Gastrointestinal	1 7E-01	0 2	3 9E-02	0 06	1 5E-02		1 1E-02		
	Manganese	469	2 4E-02	S	--	--				Nervous	6 0E-03	0 2	1 3E-03	0 06	5 1E-04		3 9E-04		
	Nickel	11 4	1 1E-02	C	--	--				Developmental	1 5E-04	0 01	3 3E-05	0 003	1 2E-05		9 3E-06		
	Thallium	0 48	1 0E-05	X	--	--				Skin, Hair & Nails	6 1E-06	0 6	1 4E-06	0 1	5 2E-07		3 9E-07		
	Vanadium	23 2	5 0E-03	S	--	--				Skin, Hair & Nails	3 0E-04	0 06	6 7E-05	0 01	2 5E-05		1 9E-05		
										Soil/Dust Ingestion Total		**2**		**0.5**		**1E-05**		**1E-05**	**3E-05**
Dermal Contact with Soil	Aluminum	14518	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	7 5	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	38 3	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	3 5E-05	0 1	5 8E-06	0 02	3 0E-06	4E-06	1 7E-06	2E-06	7E-06
	Cadmium	10 7	1 0E-03	I	--	--	0 001	0 025		Urinary	3 2E-07	0 01	5 4E-08	0 002	2 8E-08		1 5E-08		
	Chromium	17 8	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	5 8	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	16208	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	561	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	13 6	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 57	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	27 8	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.1**		**0.02**		**4E-06**		**2E-06**	**7E-06**
										Soil/Dust Total		**2**		**0.5**		**2E-05**		**1E-05**	**3E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 5	0 1
Developmental HI	0 01	0 003
Endocrine HI	0 2	0 05
Gastrointestinal HI	0 2	0 06
Hematologic HI	0 2	0 05
Nervous HI	0 4	0 09
Skin, Hair and Nails HI	1	0 3
Urinary HI	0 1	0 03

Table 38. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 403 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	12826	1 0E+00	P	--	--				Nervous	1 6E-01	0 2	3 7E-02	0 04	1 4E-02		1 1E-02		
	Antimony	4 1	4 0E-04	I	--	--				Hematologic	5 2E-05	0 1	1 2E-05	0 03	4 5E-06		3 4E-06		
	RBA adjusted Arsenic	7 2	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	9 2E-05	0 3	2 1E-05	0 07	7 9E-06	1E-05	5 9E-06	9E-06	2E-05
	Cadmium	9 4	1 0E-03	I	--	--				Urinary	1 2E-04	0 1	2 7E-05	0 03	1 0E-05		7 7E-06		
	Chromium	28 9	3 0E-03	I	--	--			(a)	--	3 7E-04	0 1	8 3E-05	0 03	3 2E-05		2 4E-05		
	Cobalt	8 0	3 0E-04	P	--	--				Endocrine	1 0E-04	0 3	2 3E-05	0 08	8 8E-06		6 6E-06		
	Iron	19238	7 0E-01	P	--	--				Gastrointestinal	2 5E-01	0 4	5 5E-02	0 08	2 1E-02		1 6E-02		
	Manganese	715	2 4E-02	S	--	--				Nervous	9 1E-03	0 4	2 1E-03	0 09	7 8E-04		5 9E-04		
	Nickel	18 9	1 1E-02	C	--	--				Developmental	2 4E-04	0 02	5 4E-05	0 005	2 1E-05		1 6E-05		
	Thallium	0 40	1 0E-05	X	--	--				Skin, Hair & Nails	5 1E-06	0 5	1 1E-06	0 1	4 3E-07		3 3E-07		
	Vanadium	31 9	5 0E-03	S	--	--				Skin, Hair & Nails	4 1E-04	0 08	9 2E-05	0 02	3 5E-05		2 6E-05		
										Soil/Dust Ingestion Total		**3**		**0.6**		**1E-05**		**9E-06**	**2E-05**
Dermal Contact with Soil	Aluminum	15360	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	4 9	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	31 2	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	2 8E-05	0 09	4 7E-06	0 02	2 4E-06	4E-06	1 4E-06	2E-06	6E-06
	Cadmium	11 2	1 0E-03	I	--	--	0 001	0 025		Urinary	3 4E-07	0 01	5 7E-08	0 002	2 9E-08		1 6E-08		
	Chromium	34 6	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	9 6	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	23040	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	857	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	22 7	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 47	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	38 2	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.1**		**0.02**		**4E-06**		**2E-06**	**6E-06**
										Soil/Dust Total		**3**		**0.6**		**2E-05**		**1E-05**	**3E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 4	0 08
Developmental HI	0 02	0 005
Endocrine HI	0 3	0 08
Gastrointestinal HI	0 4	0 08
Hematologic HI	0 1	0 03
Nervous HI	0 5	0 1
Skin, Hair and Nails HI	1	0 2
Urinary HI	0 1	0 03

Table 39. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 410 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	24048	1 0E+00	P	--	--				Nervous	3 1E-01	0 3	6 9E-02	0 07	2 6E-02		2 0E-02		
	Antimony	6 3	4 0E-04	I	--	--				Hematologic	8 1E-05	0 2	1 8E-05	0 05	7 0E-06		5 2E-06		
	RBA adjusted Arsenic	9 7	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 2E-04	0 4	2 8E-05	0 09	1 1E-05	2E-05	7 9E-06	1E-05	3E-05
	Cadmium	8 9	1 0E-03	I	--	--				Urinary	1 1E-04	0 1	2 6E-05	0 03	9 8E-06		7 3E-06		
	Chromium	14 5	3 0E-03	I	--	--			(a)	--	1 9E-04	0 06	4 2E-05	0 01	1 6E-05		1 2E-05		
	Cobalt	6 5	3 0E-04	P	--	--				Endocrine	8 3E-05	0 3	1 9E-05	0 06	7 1E-06		5 3E-06		
	Iron	16333	7 0E-01	P	--	--				Gastrointestinal	2 1E-01	0 3	4 7E-02	0 07	1 8E-02		1 3E-02		
	Manganese	594	2 4E-02	S	--	--				Nervous	7 6E-03	0 3	1 7E-03	0 07	6 5E-04		4 9E-04		
	Nickel	13 5	1 1E-02	C	--	--				Developmental	1 7E-04	0 02	3 9E-05	0 004	1 5E-05		1 1E-05		
	Thallium	0 43	1 0E-05	X	--	--				Skin, Hair & Nails	5 5E-06	0 6	1 2E-06	0 1	4 8E-07		3 6E-07		
	Vanadium	29 8	5 0E-03	S	--	--				Skin, Hair & Nails	3 8E-04	0 08	8 6E-05	0 02	3 3E-05		2 4E-05		
										Soil/Dust Ingestion Total		**3**		**0.6**		**2E-05**		**1E-05**	**3E-05**
Dermal Contact with Soil	Aluminum	28800	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	7 6	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	42 0	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	3 8E-05	0 1	6 4E-06	0 02	3 3E-06	5E-06	1 8E-06	3E-06	8E-06
	Cadmium	10 7	1 0E-03	I	--	--	0 001	0 025		Urinary	3 2E-07	0 01	5 4E-08	0 002	2 8E-08		1 5E-08		
	Chromium	17 4	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	7 7	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	19560	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	712	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	16 2	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 52	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	35 6	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.1**		**0.02**		**5E-06**		**3E-06**	**8E-06**
										Soil/Dust Total		**3**		**0.6**		**2E-05**		**1E-05**	**4E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 5	0 1
Developmental HI	0 02	0 004
Endocrine HI	0 3	0 06
Gastrointestinal HI	0 3	0 07
Hematologic HI	0 2	0 05
Nervous HI	0 6	0 1
Skin, Hair and Nails HI	1	0 3
Urinary HI	0 1	0 03

Table 40. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 412 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	11690	1 0E+00	P	--	--				Nervous	1 5E-01	0 1	3 4E-02	0 03	1 3E-02		9 6E-03		
	Antimony	0 6	4 0E-04	I	--	--				Hematologic	8 0E-06	0 02	1 8E-06	0 005	6 9E-07		5 1E-07		
	RBA adjusted Arsenic	1 5	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 9E-05	0 06	4 4E-06	0 01	1 7E-06	2E-06	1 2E-06	2E-06	4E-06
	Cadmium	0 6	1 0E-03	I	--	--				Urinary	7 6E-06	0 008	1 7E-06	0 002	6 5E-07		4 9E-07		
	Chromium	10 0	3 0E-03	I	--	--			(a)	--	1 3E-04	0 04	2 9E-05	0 01	1 1E-05		8 2E-06		
	Cobalt	9 2	3 0E-04	P	--	--				Endocrine	1 2E-04	0 4	2 6E-05	0 09	1 0E-05		7 5E-06		
	Iron	14195	7 0E-01	P	--	--				Gastrointestinal	1 8E-01	0 3	4 1E-02	0 06	1 6E-02		1 2E-02		
	Manganese	643	2 4E-02	S	--	--				Nervous	8 2E-03	0 3	1 8E-03	0 08	7 0E-04		5 3E-04		
	Nickel	20 9	1 1E-02	C	--	--				Developmental	2 7E-04	0 02	6 0E-05	0 005	2 3E-05		1 7E-05		
	Thallium	0 09	1 0E-05	X	--	--				Skin, Hair & Nails	1 1E-06	0 1	2 5E-07	0 03	9 6E-08		7 2E-08		
	Vanadium	15 9	5 0E-03	S	--	--				Skin, Hair & Nails	2 0E-04	0 04	4 6E-05	0 009	1 7E-05		1 3E-05		
										Soil/Dust Ingestion Total		**1**		**0.3**		**2E-06**		**2E-06**	**4E-06**
Dermal Contact with Soil	Aluminum	14000	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	0 8	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	6 6	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	6 0E-06	0 02	1 0E-06	0 003	5 1E-07	8E-07	2 9E-07	4E-07	1E-06
	Cadmium	0 7	1 0E-03	I	--	--	0 001	0 025		Urinary	2 2E-08	0 0009	3 6E-09	0 0001	1 8E-09		1 0E-09		
	Chromium	12 0	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	11 0	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	17000	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	770	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	25 0	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 11	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	19 0	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.02**		**0.003**		**8E-07**		**4E-07**	**1E-06**
										Soil/Dust Total		**1**		**0.3**		**3E-06**		**2E-06**	**6E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 08	0 02
Developmental HI	0 02	0 005
Endocrine HI	0 4	0 09
Gastrointestinal HI	0 3	0 06
Hematologic HI	0 02	0 005
Nervous HI	0 5	0 1
Skin, Hair and Nails HI	0 2	0 05
Urinary HI	0 008	0 002

Table 41. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 413 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	23046	1 0E+00	P	--	--				Nervous	2 9E-01	0 3	6 6E-02	0 07	2 5E-02		1 9E-02		
	Antimony	8 4	4 0E-04	I	--	--				Hematologic	1 1E-04	0 3	2 4E-05	0 06	9 2E-06		6 9E-06		
	RBA adjusted Arsenic	11 9	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 5E-04	0 5	3 4E-05	0 1	1 3E-05	2E-05	9 8E-06	1E-05	3E-05
	Cadmium	12 4	1 0E-03	I	--	--				Urinary	1 6E-04	0 2	3 6E-05	0 04	1 4E-05		1 0E-05		
	Chromium	15 4	3 0E-03	I	--	--			(a)	--	2 0E-04	0 07	4 4E-05	0 01	1 7E-05		1 3E-05		
	Cobalt	6 3	3 0E-04	P	--	--				Endocrine	8 0E-05	0 3	1 8E-05	0 06	6 9E-06		5 2E-06		
	Iron	16433	7 0E-01	P	--	--				Gastrointestinal	2 1E-01	0 3	4 7E-02	0 07	1 8E-02		1 4E-02		
	Manganese	729	2 4E-02	S	--	--				Nervous	9 3E-03	0 4	2 1E-03	0 09	8 0E-04		6 0E-04		
	Nickel	13 0	1 1E-02	C	--	--				Developmental	1 7E-04	0 02	3 7E-05	0 003	1 4E-05		1 1E-05		
	Thallium	0 48	1 0E-05	X	--	--				Skin, Hair & Nails	6 1E-06	0 6	1 4E-06	0 1	5 3E-07		3 9E-07		
	Vanadium	30 7	5 0E-03	S	--	--				Skin, Hair & Nails	3 9E-04	0 08	8 8E-05	0 02	3 4E-05		2 5E-05		
										Soil/Dust Ingestion Total		**3**		**0.7**		**2E-05**		**1E-05**	**3E-05**
Dermal Contact with Soil	Aluminum	27600	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	10 1	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	51 8	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	4 7E-05	0 2	7 9E-06	0 03	4 0E-06	6E-06	2 2E-06	3E-06	9E-06
	Cadmium	14 9	1 0E-03	I	--	--	0 001	0 025		Urinary	4 5E-07	0 02	7 5E-08	0 003	3 9E-08		2 2E-08		
	Chromium	18 5	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	7 5	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	19680	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	874	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	15 6	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 57	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	36 7	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.2**		**0.03**		**6E-06**		**3E-06**	**9E-06**
										Soil/Dust Total		**3**		**0.7**		**3E-05**		**2E-05**	**4E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 7	0 1
Developmental HI	0 02	0 003
Endocrine HI	0 3	0 06
Gastrointestinal HI	0 3	0 07
Hematologic HI	0 3	0 06
Nervous HI	0 7	0 2
Skin, Hair and Nails HI	1	0 3
Urinary HI	0 2	0 04

Table 42. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 420 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	26152	1 0E+00	P	--	--				Nervous	3 3E-01	0 3	7 5E-02	0 08	2 9E-02		2 1E-02		
	Antimony	7 0	4 0E-04	I	--	--				Hematologic	9 0E-05	0 2	2 0E-05	0 05	7 7E-06		5 8E-06		
	RBA adjusted Arsenic	7 2	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	9 2E-05	0 3	2 1E-05	0 07	7 9E-06	1E-05	5 9E-06	9E-06	2E-05
	Cadmium	10 5	1 0E-03	I	--	--				Urinary	1 3E-04	0 1	3 0E-05	0 03	1 2E-05		8 6E-06		
	Chromium	13 9	3 0E-03	I	--	--			(a)	--	1 8E-04	0 06	4 0E-05	0 01	1 5E-05		1 1E-05		
	Cobalt	6 7	3 0E-04	P	--	--				Endocrine	8 6E-05	0 3	1 9E-05	0 06	7 4E-06		5 5E-06		
	Iron	16232	7 0E-01	P	--	--				Gastrointestinal	2 1E-01	0 3	4 7E-02	0 07	1 8E-02		1 3E-02		
	Manganese	714	2 4E-02	S	--	--				Nervous	9 1E-03	0 4	2 1E-03	0 09	7 8E-04		5 9E-04		
	Nickel	13 4	1 1E-02	C	--	--				Developmental	1 7E-04	0 02	3 9E-05	0 004	1 5E-05		1 1E-05		
	Thallium	0 45	1 0E-05	X	--	--				Skin, Hair & Nails	5 8E-06	0 6	1 3E-06	0 1	5 0E-07		3 7E-07		
	Vanadium	29 1	5 0E-03	S	--	--				Skin, Hair & Nails	3 7E-04	0 07	8 4E-05	0 02	3 2E-05		2 4E-05		
										Soil/Dust Ingestion Total		**3**		**0.6**		**1E-05**		**9E-06**	**2E-05**
Dermal Contact with Soil	Aluminum	31320	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	8 4	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	47 9	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	4 4E-05	0 1	7 3E-06	0 02	3 7E-06	6E-06	2 1E-06	3E-06	9E-06
	Cadmium	12 6	1 0E-03	I	--	--	0 001	0 025		Urinary	3 8E-07	0 02	6 4E-08	0 003	3 3E-08		1 8E-08		
	Chromium	16 7	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 1	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	19440	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	856	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	16 1	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 54	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	34 8	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.2**		**0.03**		**6E-06**		**3E-06**	**9E-06**
										Soil/Dust Total		**3**		**0.6**		**2E-05**		**1E-05**	**3E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 5	0 09
Developmental HI	0 02	0 004
Endocrine HI	0 3	0 06
Gastrointestinal HI	0 3	0 07
Hematologic HI	0 2	0 05
Nervous HI	0 7	0 2
Skin, Hair and Nails HI	1	0 2
Urinary HI	0 1	0 03

Table 43. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 421 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	14098	1 0E+00	P	--	--				Nervous	1 8E-01	0 2	4 1E-02	0 04	1 5E-02		1 2E-02		
	Antimony	3 0	4 0E-04	I	--	--				Hematologic	3 8E-05	0 1	8 6E-06	0 02	3 3E-06		2 5E-06		
	RBA adjusted Arsenic	3 5	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	4 5E-05	0 2	1 0E-05	0 03	3 9E-06	6E-06	2 9E-06	4E-06	1E-05
	Cadmium	5 2	1 0E-03	I	--	--				Urinary	6 6E-05	0 07	1 5E-05	0 01	5 7E-06		4 3E-06		
	Chromium	28 6	3 0E-03	I	--	--			(a)	--	3 7E-04	0 1	8 2E-05	0 03	3 1E-05		2 4E-05		
	Cobalt	7 0	3 0E-04	P	--	--				Endocrine	9 0E-05	0 3	2 0E-05	0 07	7 7E-06		5 8E-06		
	Iron	20849	7 0E-01	P	--	--				Gastrointestinal	2 7E-01	0 4	6 0E-02	0 09	2 3E-02		1 7E-02		
	Manganese	253	2 4E-02	S	--	--				Nervous	3 2E-03	0 1	7 3E-04	0 03	2 8E-04		2 1E-04		
	Nickel	16 3	1 1E-02	C	--	--				Developmental	2 1E-04	0 02	4 7E-05	0 004	1 8E-05		1 3E-05		
	Thallium	0 31	1 0E-05	X	--	--				Skin, Hair & Nails	4 0E-06	0 4	9 0E-07	0 09	3 4E-07		2 6E-07		
	Vanadium	50 5	5 0E-03	S	--	--				Skin, Hair & Nails	6 5E-04	0 1	1 5E-04	0 03	5 5E-05		4 1E-05		
										Soil/Dust Ingestion Total		**2**		**0.4**		**6E-06**		**4E-06**	**1E-05**
Dermal Contact with Soil	Aluminum	16884	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	3 6	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	15 3	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 4E-05	0 05	2 3E-06	0 008	1 2E-06	2E-06	6 6E-07	1E-06	3E-06
	Cadmium	6 2	1 0E-03	I	--	--	0 001	0 025		Urinary	1 9E-07	0 008	3 1E-08	0 001	1 6E-08		9 0E-09		
	Chromium	34 2	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 4	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	24969	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	303	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	19 5	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 37	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	60 5	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.05**		**0.009**		**2E-06**		**1E-06**	**3E-06**
										Soil/Dust Total		**2**		**0.5**		**8E-06**		**5E-06**	**1E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 2	0 04
Developmental HI	0 02	0 004
Endocrine HI	0 3	0 07
Gastrointestinal HI	0 4	0 09
Hematologic HI	0 1	0 02
Nervous HI	0 3	0 07
Skin, Hair and Nails HI	0 7	0 2
Urinary HI	0 07	0 02

Table 44. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 430 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	8768	1 0E+00	P	--	--				Nervous	1 1E-01	0 1	2 5E-02	0 03	9 6E-03		7 2E-03		
	Antimony	2 6	4 0E-04	I	--	--				Hematologic	3 4E-05	0 08	7 6E-06	0 02	2 9E-06		2 2E-06		
	RBA adjusted Arsenic	4 1	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	5 2E-05	0 2	1 2E-05	0 04	4 5E-06	7E-06	3 4E-06	5E-06	1E-05
	Cadmium	5 9	1 0E-03	I	--	--				Urinary	7 5E-05	0 08	1 7E-05	0 02	6 4E-06		4 8E-06		
	Chromium	17 5	3 0E-03	I	--	--			(a)	--	2 2E-04	0 07	5 0E-05	0 02	1 9E-05		1 4E-05		
	Cobalt	5 3	3 0E-04	P	--	--				Endocrine	6 7E-05	0 2	1 5E-05	0 05	5 8E-06		4 3E-06		
	Iron	14729	7 0E-01	P	--	--				Gastrointestinal	1 9E-01	0 3	4 2E-02	0 06	1 6E-02		1 2E-02		
	Manganese	486	2 4E-02	S	--	--				Nervous	6 2E-03	0 3	1 4E-03	0 06	5 3E-04		4 0E-04		
	Nickel	12 8	1 1E-02	C	--	--				Developmental	1 6E-04	0 01	3 7E-05	0 003	1 4E-05		1 1E-05		
	Thallium	0 29	1 0E-05	X	--	--				Skin, Hair & Nails	3 7E-06	0 4	8 3E-07	0 08	3 2E-07		2 4E-07		
	Vanadium	27 3	5 0E-03	S	--	--				Skin, Hair & Nails	3 5E-04	0 07	7 8E-05	0 02	3 0E-05		2 2E-05		
										Soil/Dust Ingestion Total		**2**		**0.4**		**7E-06**		**5E-06**	**1E-05**
Dermal Contact with Soil	Aluminum	10500	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	3 2	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	17 8	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 6E-05	0 05	2 7E-06	0 009	1 4E-06	2E-06	7 7E-07	1E-06	3E-06
	Cadmium	7 0	1 0E-03	I	--	--	0 001	0 025		Urinary	2 1E-07	0 009	3 6E-08	0 001	1 8E-08		1 0E-08		
	Chromium	21 0	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	6 3	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	17640	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	582	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	15 4	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 34	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	32 6	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.06**		**0.01**		**2E-06**		**1E-06**	**3E-06**
										Soil/Dust Total		**2**		**0.4**		**9E-06**		**6E-06**	**1E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 2	0 05
Developmental HI	0 01	0 003
Endocrine HI	0 2	0 05
Gastrointestinal HI	0 3	0 06
Hematologic HI	0 08	0 02
Nervous HI	0 4	0 08
Skin, Hair and Nails HI	0 7	0 1
Urinary HI	0 08	0 02

Table 45. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 431 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	6808	1 0E+00	P	--	--				Nervous	8 7E-02	0 09	2 0E-02	0 02	7 5E-03		5 6E-03		
	Antimony	1 0	4 0E-04	I	--	--				Hematologic	1 3E-05	0 03	2 9E-06	0 007	1 1E-06		8 2E-07		
	RBA adjusted Arsenic	2 1	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	2 7E-05	0 09	6 0E-06	0 02	2 3E-06	3E-06	1 7E-06	3E-06	6E-06
	Cadmium	2 3	1 0E-03	I	--	--				Urinary	2 9E-05	0 03	6 5E-06	0 007	2 5E-06		1 9E-06		
	Chromium	16 8	3 0E-03	I	--	--			(a)	--	2 2E-04	0 07	4 8E-05	0 02	1 8E-05		1 4E-05		
	Cobalt	5 1	3 0E-04	P	--	--				Endocrine	6 5E-05	0 2	1 5E-05	0 05	5 6E-06		4 2E-06		
	Iron	13516	7 0E-01	P	--	--				Gastrointestinal	1 7E-01	0 2	3 9E-02	0 06	1 5E-02		1 1E-02		
	Manganese	259	2 4E-02	S	--	--				Nervous	3 3E-03	0 1	7 5E-04	0 03	2 8E-04		2 1E-04		
	Nickel	12 2	1 1E-02	C	--	--				Developmental	1 6E-04	0 01	3 5E-05	0 003	1 3E-05		1 0E-05		
	Thallium	0 18	1 0E-05	X	--	--				Skin, Hair & Nails	2 2E-06	0 2	5 0E-07	0 05	1 9E-07		1 4E-07		
	Vanadium	25 2	5 0E-03	S	--	--				Skin, Hair & Nails	3 2E-04	0 06	7 2E-05	0 01	2 8E-05		2 1E-05		
										Soil/Dust Ingestion Total		**1**		**0.3**		**3E-06**		**3E-06**	**6E-06**
Dermal Contact with Soil	Aluminum	8154	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	1 2	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	9 1	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	8 3E-06	0 03	1 4E-06	0 005	7 1E-07	1E-06	3 9E-07	6E-07	2E-06
	Cadmium	2 7	1 0E-03	I	--	--	0 001	0 025		Urinary	8 3E-08	0 003	1 4E-08	0 0006	7 1E-09		3 9E-09		
	Chromium	20 1	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	6 1	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	16186	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	310	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	14 6	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 21	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	30 1	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.03**		**0.005**		**1E-06**		**6E-07**	**2E-06**
										Soil/Dust Total		**1**		**0.3**		**5E-06**		**3E-06**	**8E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 1	0 02
Developmental HI	0 01	0 003
Endocrine HI	0 2	0 05
Gastrointestinal HI	0 2	0 06
Hematologic HI	0 03	0 007
Nervous HI	0 2	0 05
Skin, Hair and Nails HI	0 4	0 09
Urinary HI	0 03	0 007

Table 46. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 432 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	7705	1 0E+00	P	--	--				Nervous	9 9E-02	0 1	2 2E-02	0 02	8 4E-03		6 3E-03		
	Antimony	2 2	4 0E-04	I	--	--				Hematologic	2 8E-05	0 07	6 2E-06	0 02	2 4E-06		1 8E-06		
	RBA adjusted Arsenic	5 1	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	6 5E-05	0 2	1 5E-05	0 05	5 6E-06	8E-06	4 2E-06	6E-06	1E-05
	Cadmium	4 9	1 0E-03	I	--	--				Urinary	6 3E-05	0 06	1 4E-05	0 01	5 4E-06		4 1E-06		
	Chromium	18 5	3 0E-03	I	--	--			(a)	--	2 4E-04	0 08	5 3E-05	0 02	2 0E-05		1 5E-05		
	Cobalt	6 1	3 0E-04	P	--	--				Endocrine	7 8E-05	0 3	1 8E-05	0 06	6 7E-06		5 0E-06		
	Iron	15331	7 0E-01	P	--	--				Gastrointestinal	2 0E-01	0 3	4 4E-02	0 06	1 7E-02		1 3E-02		
	Manganese	300	2 4E-02	S	--	--				Nervous	3 8E-03	0 2	8 6E-04	0 04	3 3E-04		2 5E-04		
	Nickel	14 8	1 1E-02	C	--	--				Developmental	1 9E-04	0 02	4 3E-05	0 004	1 6E-05		1 2E-05		
	Thallium	0 33	1 0E-05	X	--	--				Skin, Hair & Nails	4 2E-06	0 4	9 5E-07	0 09	3 6E-07		2 7E-07		
	Vanadium	28 4	5 0E-03	S	--	--				Skin, Hair & Nails	3 6E-04	0 07	8 2E-05	0 02	3 1E-05		2 3E-05		
										Soil/Dust Ingestion Total		**2**		**0.4**		**8E-06**		**6E-06**	**1E-05**
Dermal Contact with Soil	Aluminum	9228	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	2 6	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	17 8	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 6E-05	0 05	2 7E-06	0 009	1 4E-06	2E-06	7 7E-07	1E-06	3E-06
	Cadmium	5 9	1 0E-03	I	--	--	0 001	0 025		Urinary	1 8E-07	0 007	3 0E-08	0 001	1 5E-08		8 6E-09		
	Chromium	22 2	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	7 3	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	18360	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	359	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	17 8	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 39	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	34 0	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.06**		**0.01**		**2E-06**		**1E-06**	**3E-06**
										Soil/Dust Total		**2**		**0.4**		**1E-05**		**7E-06**	**2E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 3	0 06
Developmental HI	0 02	0 004
Endocrine HI	0 3	0 06
Gastrointestinal HI	0 3	0 06
Hematologic HI	0 07	0 02
Nervous HI	0 3	0 06
Skin, Hair and Nails HI	0 8	0 2
Urinary HI	0 07	0 02

Table 47. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 440 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	11599	1 0E+00	P	--	--				Nervous	1 5E-01	0 1	3 3E-02	0 03	1 3E-02		9 5E-03		
	Antimony	1 6	4 0E-04	I	--	--				Hematologic	2 0E-05	0 05	4 5E-06	0 01	1 7E-06		1 3E-06		
	RBA adjusted Arsenic	2 2	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	2 8E-05	0 09	6 3E-06	0 02	2 4E-06	4E-06	1 8E-06	3E-06	6E-06
	Cadmium	2 7	1 0E-03	I	--	--				Urinary	3 5E-05	0 03	7 8E-06	0 008	3 0E-06		2 2E-06		
	Chromium	27 2	3 0E-03	I	--	--			(a)	--	3 5E-04	0 1	7 8E-05	0 03	3 0E-05		2 2E-05		
	Cobalt	5 3	3 0E-04	P	--	--				Endocrine	6 7E-05	0 2	1 5E-05	0 05	5 8E-06		4 3E-06		
	Iron	14753	7 0E-01	P	--	--				Gastrointestinal	1 9E-01	0 3	4 2E-02	0 06	1 6E-02		1 2E-02		
	Manganese	173	2 4E-02	S	--	--				Nervous	2 2E-03	0 09	5 0E-04	0 02	1 9E-04		1 4E-04		
	Nickel	13 3	1 1E-02	C	--	--				Developmental	1 7E-04	0 02	3 8E-05	0 003	1 5E-05		1 1E-05		
	Thallium	0 18	1 0E-05	X	--	--				Skin, Hair & Nails	2 2E-06	0 2	5 1E-07	0 05	1 9E-07		1 4E-07		
	Vanadium	30 2	5 0E-03	S	--	--				Skin, Hair & Nails	3 9E-04	0 08	8 7E-05	0 02	3 3E-05		2 5E-05		
										Soil/Dust Ingestion Total		**1**		**0.3**		**4E-06**		**3E-06**	**6E-06**
Dermal Contact with Soil	Aluminum	13891	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	1 9	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	9 5	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	8 7E-06	0 03	1 4E-06	0 005	7 4E-07	1E-06	4 1E-07	6E-07	2E-06
	Cadmium	3 3	1 0E-03	I	--	--	0 001	0 025		Urinary	9 9E-08	0 004	1 6E-08	0 0007	8 5E-09		4 7E-09		
	Chromium	32 6	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	6 3	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	17669	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	207	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	15 9	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 21	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	36 2	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.03**		**0.005**		**1E-06**		**6E-07**	**2E-06**
										Soil/Dust Total		**1**		**0.3**		**5E-06**		**3E-06**	**8E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 1	0 03
Developmental HI	0 02	0 003
Endocrine HI	0 2	0 05
Gastrointestinal HI	0 3	0 06
Hematologic HI	0 05	0 01
Nervous HI	0 2	0 05
Skin, Hair and Nails HI	0 4	0 09
Urinary HI	0 04	0 008

Table 48. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 441 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	23046	1 0E+00	P	--	--				Nervous	2 9E-01	0 3	6 6E-02	0 07	2 5E-02		1 9E-02		
	Antimony	6 7	4 0E-04	I	--	--				Hematologic	8 5E-05	0 2	1 9E-05	0 05	7 3E-06		5 5E-06		
	RBA adjusted Arsenic	14 4	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 8E-04	0 6	4 1E-05	0 1	1 6E-05	2E-05	1 2E-05	2E-05	4E-05
	Cadmium	15 0	1 0E-03	I	--	--				Urinary	1 9E-04	0 2	4 3E-05	0 04	1 6E-05		1 2E-05		
	Chromium	20 4	3 0E-03	I	--	--			(a)	--	2 6E-04	0 09	5 9E-05	0 02	2 2E-05		1 7E-05		
	Cobalt	9 8	3 0E-04	P	--	--				Endocrine	1 3E-04	0 4	2 8E-05	0 09	1 1E-05		8 0E-06		
	Iron	17936	7 0E-01	P	--	--				Gastrointestinal	2 3E-01	0 3	5 2E-02	0 07	2 0E-02		1 5E-02		
	Manganese	1122	2 4E-02	S	--	--				Nervous	1 4E-02	0 6	3 2E-03	0 1	1 2E-03		9 2E-04		
	Nickel	19 6	1 1E-02	C	--	--				Developmental	2 5E-04	0 02	5 6E-05	0 005	2 2E-05		1 6E-05		
	Thallium	0 51	1 0E-05	X	--	--				Skin, Hair & Nails	6 5E-06	0 7	1 5E-06	0 1	5 6E-07		4 2E-07		
	Vanadium	32 9	5 0E-03	S	--	--				Skin, Hair & Nails	4 2E-04	0 08	9 5E-05	0 02	3 6E-05		2 7E-05		
										Soil/Dust Ingestion Total		**4**		**0.8**		**2E-05**		**2E-05**	**4E-05**
Dermal Contact with Soil	Aluminum	27600	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	8 0	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	52 3	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	4 8E-05	0 2	7 9E-06	0 03	4 1E-06	6E-06	2 3E-06	3E-06	1E-05
	Cadmium	18 0	1 0E-03	I	--	--	0 001	0 025		Urinary	5 5E-07	0 02	9 1E-08	0 004	4 7E-08		2 6E-08		
	Chromium	24 5	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	11 7	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	21480	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	1344	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	23 5	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 61	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	39 4	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.2**		**0.03**		**6E-06**		**3E-06**	**1E-05**
										Soil/Dust Total		**4**		**0.8**		**3E-05**		**2E-05**	**5E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 8	0 2
Developmental HI	0 02	0 005
Endocrine HI	0 4	0 09
Gastrointestinal HI	0 3	0 07
Hematologic HI	0 2	0 05
Nervous HI	0 9	0 2
Skin, Hair and Nails HI	2	0 3
Urinary HI	0 2	0 05

Table 49. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 442 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	16533	1 0E+00	P	--	--				Nervous	2 1E-01	0 2	4 8E-02	0 05	1 8E-02		1 4E-02		
	Antimony	3 2	4 0E-04	I	--	--				Hematologic	4 1E-05	0 1	9 3E-06	0 02	3 5E-06		2 7E-06		
	RBA adjusted Arsenic	6 0	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	7 7E-05	0 3	1 7E-05	0 06	6 6E-06	1E-05	4 9E-06	7E-06	2E-05
	Cadmium	5 4	1 0E-03	I	--	--				Urinary	6 9E-05	0 07	1 6E-05	0 02	6 0E-06		4 5E-06		
	Chromium	30 7	3 0E-03	I	--	--			(a)	--	3 9E-04	0 1	8 8E-05	0 03	3 4E-05		2 5E-05		
	Cobalt	8 4	3 0E-04	P	--	--				Endocrine	1 1E-04	0 4	2 4E-05	0 08	9 2E-06		6 9E-06		
	Iron	21142	7 0E-01	P	--	--				Gastrointestinal	2 7E-01	0 4	6 1E-02	0 09	2 3E-02		1 7E-02		
	Manganese	771	2 4E-02	S	--	--				Nervous	9 9E-03	0 4	2 2E-03	0 09	8 4E-04		6 3E-04		
	Nickel	19 1	1 1E-02	C	--	--				Developmental	2 4E-04	0 02	5 5E-05	0 005	2 1E-05		1 6E-05		
	Thallium	0 27	1 0E-05	X	--	--				Skin, Hair & Nails	3 5E-06	0 3	7 8E-07	0 08	3 0E-07		2 2E-07		
	Vanadium	44 2	5 0E-03	S	--	--				Skin, Hair & Nails	5 6E-04	0 1	1 3E-04	0 03	4 8E-05		3 6E-05		
										Soil/Dust Ingestion Total		**2**		**0.5**		**1E-05**		**7E-06**	**2E-05**
Dermal Contact with Soil	Aluminum	19800	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	3 9	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	26 0	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	2 4E-05	0 08	4 0E-06	0 01	2 0E-06	3E-06	1 1E-06	2E-06	5E-06
	Cadmium	6 5	1 0E-03	I	--	--	0 001	0 025		Urinary	2 0E-07	0 008	3 3E-08	0 001	1 7E-08		9 4E-09		
	Chromium	36 7	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	10 1	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	25320	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	923	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	22 9	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 33	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	52 9	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.09**		**0.01**		**3E-06**		**2E-06**	**5E-06**
										Soil/Dust Total		**2**		**0.6**		**1E-05**		**9E-06**	**2E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 3	0 07
Developmental HI	0 02	0 005
Endocrine HI	0 4	0 08
Gastrointestinal HI	0 4	0 09
Hematologic HI	0 1	0 02
Nervous HI	0 6	0 1
Skin, Hair and Nails HI	0 8	0 2
Urinary HI	0 08	0 02

Table 50. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 801-O1 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	21387	1 0E+00	P	--	--				Nervous	2 7E-01	0 3	6 2E-02	0 06	2 3E-02		1 8E-02		
	Antimony	0 8	4 0E-04	I	--	--				Hematologic	1 0E-05	0 03	2 3E-06	0 006	8 7E-07		6 5E-07		
	RBA adjusted Arsenic	2 4	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	3 0E-05	0 1	6 8E-06	0 02	2 6E-06	4E-06	2 0E-06	3E-06	7E-06
	Cadmium	1 4	1 0E-03	I	--	--				Urinary	1 7E-05	0 02	3 9E-06	0 004	1 5E-06		1 1E-06		
	Chromium	33 1	3 0E-03	I	--	--			(a)	--	4 2E-04	0 1	9 5E-05	0 03	3 6E-05		2 7E-05		
	Cobalt	12 4	3 0E-04	P	--	--				Endocrine	1 6E-04	0 5	3 6E-05	0 1	1 4E-05		1 0E-05		
	Iron	23342	7 0E-01	P	--	--				Gastrointestinal	3 0E-01	0 4	6 7E-02	0 1	2 6E-02		1 9E-02		
	Manganese	708	2 4E-02	S	--	--				Nervous	9 1E-03	0 4	2 0E-03	0 08	7 8E-04		5 8E-04		
	Nickel	31 5	1 1E-02	C	--	--				Developmental	4 0E-04	0 04	9 1E-05	0 008	3 4E-05		2 6E-05		
	Thallium	0 17	1 0E-05	X	--	--				Skin, Hair & Nails	2 2E-06	0 2	5 0E-07	0 05	1 9E-07		1 4E-07		
	Vanadium	35 6	5 0E-03	S	--	--				Skin, Hair & Nails	4 5E-04	0 09	1 0E-04	0 02	3 9E-05		2 9E-05		
										Soil/Dust Ingestion Total		**2**		**0.5**		**4E-06**		**3E-06**	**7E-06**
Dermal Contact with Soil	Aluminum	25613	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	1 0	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	17 4	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 6E-05	0 05	2 6E-06	0 009	1 4E-06	2E-06	7 5E-07	1E-06	3E-06
	Cadmium	1 6	1 0E-03	I	--	--	0 001	0 025		Urinary	4 9E-08	0 002	8 2E-09	0 0003	4 2E-09		2 3E-09		
	Chromium	39 6	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	14 9	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	27955	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	848	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	37 7	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 21	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	42 6	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.05**		**0.009**		**2E-06**		**1E-06**	**3E-06**
										Soil/Dust Total		**2**		**0.5**		**6E-06**		**4E-06**	**1E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 2	0 03
Developmental HI	0 04	0 008
Endocrine HI	0 5	0 1
Gastrointestinal HI	0 4	0 1
Hematologic HI	0 03	0 006
Nervous HI	0 7	0 1
Skin, Hair and Nails HI	0 5	0 1
Urinary HI	0 02	0 004

Table 51. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 801-O2 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	27555	1 0E+00	P	--	--				Nervous	3 5E-01	0 4	7 9E-02	0 08	3 0E-02		2 3E-02		
	Antimony	1 7	4 0E-04	I	--	--				Hematologic	2 2E-05	0 06	5 0E-06	0 01	1 9E-06		1 4E-06		
	RBA adjusted Arsenic	1 0	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 3E-05	0 04	2 9E-06	0 01	1 1E-06	2E-06	8 4E-07	1E-06	3E-06
	Cadmium	2 1	1 0E-03	I	--	--				Urinary	2 6E-05	0 03	5 9E-06	0 006	2 3E-06		1 7E-06		
	Chromium	61 3	3 0E-03	I	--	--			(a)	--	7 8E-04	0 3	1 8E-04	0 06	6 7E-05		5 0E-05		
	Cobalt	18 7	3 0E-04	P	--	--				Endocrine	2 4E-04	0 8	5 4E-05	0 2	2 1E-05		1 5E-05		
	Iron	34769	7 0E-01	P	--	--				Gastrointestinal	4 4E-01	0 6	1 0E-01	0 1	3 8E-02		2 9E-02		
	Manganese	1543	2 4E-02	S	--	--				Nervous	2 0E-02	0 8	4 4E-03	0 2	1 7E-03		1 3E-03		
	Nickel	42 3	1 1E-02	C	--	--				Developmental	5 4E-04	0 05	1 2E-04	0 01	4 6E-05		3 5E-05		
	Thallium	0 27	1 0E-05	X	--	--				Skin, Hair & Nails	3 5E-06	0 3	7 9E-07	0 08	3 0E-07		2 2E-07		
	Vanadium	59 9	5 0E-03	S	--	--				Skin, Hair & Nails	7 7E-04	0 2	1 7E-04	0 03	6 6E-05		4 9E-05		
										Soil/Dust Ingestion Total		**4**		**0.8**		**2E-06**		**1E-06**	**3E-06**
Dermal Contact with Soil	Aluminum	33000	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	2 1	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	26 8	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	2 4E-05	0 08	4 1E-06	0 01	2 1E-06	3E-06	1 2E-06	2E-06	5E-06
	Cadmium	2 5	1 0E-03	I	--	--	0 001	0 025		Urinary	7 5E-08	0 003	1 2E-08	0 0005	6 4E-09		3 6E-09		
	Chromium	73 4	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	22 4	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	41640	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	1848	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	50 6	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 33	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	71 8	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.08**		**0.01**		**3E-06**		**2E-06**	**5E-06**
										Soil/Dust Total		**4**		**0.8**		**5E-06**		**3E-06**	**8E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 1	0 02
Developmental HI	0 05	0 01
Endocrine HI	0 8	0 2
Gastrointestinal HI	0 6	0 1
Hematologic HI	0 06	0 01
Nervous HI	1	0 3
Skin, Hair and Nails HI	0 6	0 1
Urinary HI	0 03	0 006

Table 52. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 801-O3 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	18036	1 0E+00	P	--	--				Nervous	2 3E-01	0 2	5 2E-02	0 05	2 0E-02		1 5E-02		
	Antimony	0 8	4 0E-04	I	--	--				Hematologic	9 9E-06	0 02	2 2E-06	0 006	8 5E-07		6 3E-07		
	RBA adjusted Arsenic	2 5	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	3 2E-05	0 1	7 1E-06	0 02	2 7E-06	4E-06	2 0E-06	3E-06	7E-06
	Cadmium	3 6	1 0E-03	I	--	--				Urinary	4 6E-05	0 05	1 0E-05	0 01	4 0E-06		3 0E-06		
	Chromium	30 0	3 0E-03	I	--	--			(a)	--	3 8E-04	0 1	8 6E-05	0 03	3 3E-05		2 5E-05		
	Cobalt	11 9	3 0E-04	P	--	--				Endocrine	1 5E-04	0 5	3 4E-05	0 1	1 3E-05		9 8E-06		
	Iron	23246	7 0E-01	P	--	--				Gastrointestinal	3 0E-01	0 4	6 7E-02	0 1	2 5E-02		1 9E-02		
	Manganese	660	2 4E-02	S	--	--				Nervous	8 4E-03	0 4	1 9E-03	0 08	7 2E-04		5 4E-04		
	Nickel	40 3	1 1E-02	C	--	--				Developmental	5 2E-04	0 05	1 2E-04	0 01	4 4E-05		3 3E-05		
	Thallium	0 19	1 0E-05	X	--	--				Skin, Hair & Nails	2 4E-06	0 2	5 3E-07	0 05	2 0E-07		1 5E-07		
	Vanadium	37 9	5 0E-03	S	--	--				Skin, Hair & Nails	4 8E-04	0 1	1 1E-04	0 02	4 2E-05		3 1E-05		
										Soil/Dust Ingestion Total		**2**		**0.5**		**4E-06**		**3E-06**	**7E-06**
Dermal Contact with Soil	Aluminum	21600	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	0 9	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	18 1	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 6E-05	0 05	2 8E-06	0 009	1 4E-06	2E-06	7 9E-07	1E-06	3E-06
	Cadmium	4 3	1 0E-03	I	--	--	0 001	0 025		Urinary	1 3E-07	0 005	2 2E-08	0 0009	1 1E-08		6 3E-09		
	Chromium	35 9	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	14 3	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	27840	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	791	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	48 2	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 22	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	45 4	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.06**		**0.01**		**2E-06**		**1E-06**	**3E-06**
										Soil/Dust Total		**2**		**0.5**		**6E-06**		**4E-06**	**1E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 2	0 03
Developmental HI	0 05	0 01
Endocrine HI	0 5	0 1
Gastrointestinal HI	0 4	0 1
Hematologic HI	0 02	0 006
Nervous HI	0 6	0 1
Skin, Hair and Nails HI	0 5	0 1
Urinary HI	0 05	0 01

Table 53. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 802-O1 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	10675	1 0E+00	P	--	--				Nervous	1 4E-01	0 1	3 1E-02	0 03	1 2E-02		8 8E-03		
	Antimony	1 8	4 0E-04	I	--	--				Hematologic	2 4E-05	0 06	5 3E-06	0 01	2 0E-06		1 5E-06		
	RBA adjusted Arsenic	1 9	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	2 4E-05	0 08	5 5E-06	0 02	2 1E-06	3E-06	1 6E-06	2E-06	5E-06
	Cadmium	4 7	1 0E-03	I	--	--				Urinary	6 0E-05	0 06	1 4E-05	0 01	5 2E-06		3 9E-06		
	Chromium	15 5	3 0E-03	I	--	--			(a)	--	2 0E-04	0 07	4 5E-05	0 01	1 7E-05		1 3E-05		
	Cobalt	5 6	3 0E-04	P	--	--				Endocrine	7 1E-05	0 2	1 6E-05	0 05	6 1E-06		4 6E-06		
	Iron	14558	7 0E-01	P	--	--				Gastrointestinal	1 9E-01	0 3	4 2E-02	0 06	1 6E-02		1 2E-02		
	Manganese	647	2 4E-02	S	--	--				Nervous	8 3E-03	0 3	1 9E-03	0 08	7 1E-04		5 3E-04		
	Nickel	13 3	1 1E-02	C	--	--				Developmental	1 7E-04	0 02	3 8E-05	0 003	1 5E-05		1 1E-05		
	Thallium	0 24	1 0E-05	X	--	--				Skin, Hair & Nails	3 1E-06	0 3	6 9E-07	0 07	2 6E-07		2 0E-07		
	Vanadium	23 8	5 0E-03	S	--	--				Skin, Hair & Nails	3 0E-04	0 06	6 8E-05	0 01	2 6E-05		2 0E-05		
										Soil/Dust Ingestion Total		**2**		**0.4**		**3E-06**		**2E-06**	**5E-06**
Dermal Contact with Soil	Aluminum	12784	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	2 2	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	13 9	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 3E-05	0 04	2 1E-06	0 007	1 1E-06	2E-06	6 0E-07	9E-07	3E-06
	Cadmium	5 6	1 0E-03	I	--	--	0 001	0 025		Urinary	1 7E-07	0 007	2 9E-08	0 001	1 5E-08		8 2E-09		
	Chromium	18 6	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	6 7	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	17435	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	775	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	15 9	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 29	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	28 5	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.05**		**0.008**		**2E-06**		**9E-07**	**3E-06**
										Soil/Dust Total		**2**		**0.4**		**5E-06**		**3E-06**	**8E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 1	0 03
Developmental HI	0 02	0 003
Endocrine HI	0 2	0 05
Gastrointestinal HI	0 3	0 06
Hematologic HI	0 06	0 01
Nervous HI	0 5	0 1
Skin, Hair and Nails HI	0 5	0 1
Urinary HI	0 07	0 01

Table 54. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 803-O1 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	9095	1 0E+00	P	--	--				Nervous	1 2E-01	0 1	2 6E-02	0 03	1 0E-02		7 5E-03		
	Antimony	6 0	4 0E-04	I	--	--				Hematologic	7 6E-05	0 2	1 7E-05	0 04	6 6E-06		4 9E-06		
	RBA adjusted Arsenic	3 8	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	4 9E-05	0 2	1 1E-05	0 04	4 2E-06	6E-06	3 1E-06	5E-06	1E-05
	Cadmium	10 2	1 0E-03	I	--	--				Urinary	1 3E-04	0 1	2 9E-05	0 03	1 1E-05		8 4E-06		
	Chromium	21 0	3 0E-03	I	--	--			(a)	--	2 7E-04	0 09	6 0E-05	0 02	2 3E-05		1 7E-05		
	Cobalt	6 9	3 0E-04	P	--	--				Endocrine	8 8E-05	0 3	2 0E-05	0 07	7 6E-06		5 7E-06		
	Iron	15880	7 0E-01	P	--	--				Gastrointestinal	2 0E-01	0 3	4 6E-02	0 07	1 7E-02		1 3E-02		
	Manganese	418	2 4E-02	S	--	--				Nervous	5 3E-03	0 2	1 2E-03	0 05	4 6E-04		3 4E-04		
	Nickel	15 8	1 1E-02	C	--	--				Developmental	2 0E-04	0 02	4 5E-05	0 004	1 7E-05		1 3E-05		
	Thallium	0 58	1 0E-05	X	--	--				Skin, Hair & Nails	7 4E-06	0 7	1 7E-06	0 2	6 4E-07		4 8E-07		
	Vanadium	36 0	5 0E-03	S	--	--				Skin, Hair & Nails	4 6E-04	0 09	1 0E-04	0 02	3 9E-05		3 0E-05		
										Soil/Dust Ingestion Total		**2**		**0.5**		**6E-06**		**5E-06**	**1E-05**
Dermal Contact with Soil	Aluminum	10892	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	7 2	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	27 8	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	2 5E-05	0 08	4 2E-06	0 01	2 2E-06	3E-06	1 2E-06	2E-06	5E-06
	Cadmium	12 2	1 0E-03	I	--	--	0 001	0 025		Urinary	3 7E-07	0 01	6 2E-08	0 002	3 2E-08		1 8E-08		
	Chromium	25 1	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 3	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	19018	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	500	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	18 9	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 70	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	43 1	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.1**		**0.02**		**3E-06**		**2E-06**	**5E-06**
										Soil/Dust Total		**2**		**0.5**		**1E-05**		**6E-06**	**2E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 2	0 05
Developmental HI	0 02	0 004
Endocrine HI	0 3	0 07
Gastrointestinal HI	0 3	0 07
Hematologic HI	0 2	0 04
Nervous HI	0 3	0 08
Skin, Hair and Nails HI	1	0 2
Urinary HI	0 1	0 03

Table 55. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 803-O2 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	9850	1 0E+00	P	--	--				Nervous	1 3E-01	0 1	2 8E-02	0 03	1 1E-02		8 1E-03		
	Antimony	4 9	4 0E-04	I	--	--				Hematologic	6 2E-05	0 2	1 4E-05	0 04	5 3E-06		4 0E-06		
	RBA adjusted Arsenic	3 7	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	4 8E-05	0 2	1 1E-05	0 04	4 1E-06	6E-06	3 1E-06	5E-06	1E-05
	Cadmium	6 0	1 0E-03	I	--	--				Urinary	7 6E-05	0 08	1 7E-05	0 02	6 5E-06		4 9E-06		
	Chromium	20 7	3 0E-03	I	--	--			(a)	--	2 7E-04	0 09	6 0E-05	0 02	2 3E-05		1 7E-05		
	Cobalt	6 4	3 0E-04	P	--	--				Endocrine	8 2E-05	0 3	1 8E-05	0 06	7 0E-06		5 2E-06		
	Iron	18437	7 0E-01	P	--	--				Gastrointestinal	2 4E-01	0 3	5 3E-02	0 08	2 0E-02		1 5E-02		
	Manganese	327	2 4E-02	S	--	--				Nervous	4 2E-03	0 2	9 4E-04	0 04	3 6E-04		2 7E-04		
	Nickel	15 5	1 1E-02	C	--	--				Developmental	2 0E-04	0 02	4 5E-05	0 004	1 7E-05		1 3E-05		
	Thallium	0 67	1 0E-05	X	--	--				Skin, Hair & Nails	8 5E-06	0 9	1 9E-06	0 2	7 3E-07		5 5E-07		
	Vanadium	36 7	5 0E-03	S	--	--				Skin, Hair & Nails	4 7E-04	0 09	1 1E-04	0 02	4 0E-05		3 0E-05		
										Soil/Dust Ingestion Total		**2**		**0.5**		**6E-06**		**5E-06**	**1E-05**
Dermal Contact with Soil	Aluminum	11796	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	5 8	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	27 2	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	2 5E-05	0 08	4 1E-06	0 01	2 1E-06	3E-06	1 2E-06	2E-06	5E-06
	Cadmium	7 1	1 0E-03	I	--	--	0 001	0 025		Urinary	2 2E-07	0 009	3 6E-08	0 001	1 9E-08		1 0E-08		
	Chromium	24 8	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	7 6	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	22080	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	391	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	18 6	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 80	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	43 9	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.09**		**0.02**		**3E-06**		**2E-06**	**5E-06**
										Soil/Dust Total		**2**		**0.5**		**9E-06**		**6E-06**	**2E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 2	0 05
Developmental HI	0 02	0 004
Endocrine HI	0 3	0 06
Gastrointestinal HI	0 3	0 08
Hematologic HI	0 2	0 04
Nervous HI	0 3	0 07
Skin, Hair and Nails HI	1	0 3
Urinary HI	0 08	0 02

Table 56. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 803-O3 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	16533	1 0E+00	P	--	--				Nervous	2 1E-01	0 2	4 8E-02	0 05	1 8E-02		1 4E-02		
	Antimony	2 9	4 0E-04	I	--	--				Hematologic	3 7E-05	0 09	8 2E-06	0 02	3 1E-06		2 4E-06		
	RBA adjusted Arsenic	2 8	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	3 6E-05	0 1	8 1E-06	0 03	3 1E-06	5E-06	2 3E-06	3E-06	8E-06
	Cadmium	6 6	1 0E-03	I	--	--				Urinary	8 4E-05	0 08	1 9E-05	0 02	7 2E-06		5 4E-06		
	Chromium	27 6	3 0E-03	I	--	--			(a)	--	3 5E-04	0 1	7 9E-05	0 03	3 0E-05		2 3E-05		
	Cobalt	9 9	3 0E-04	P	--	--				Endocrine	1 3E-04	0 4	2 9E-05	0 1	1 1E-05		8 2E-06		
	Iron	21643	7 0E-01	P	--	--				Gastrointestinal	2 8E-01	0 4	6 2E-02	0 09	2 4E-02		1 8E-02		
	Manganese	547	2 4E-02	S	--	--				Nervous	7 0E-03	0 3	1 6E-03	0 07	6 0E-04		4 5E-04		
	Nickel	22 2	1 1E-02	C	--	--				Developmental	2 8E-04	0 03	6 4E-05	0 006	2 4E-05		1 8E-05		
	Thallium	0 40	1 0E-05	X	--	--				Skin, Hair & Nails	5 2E-06	0 5	1 2E-06	0 1	4 4E-07		3 3E-07		
	Vanadium	46 1	5 0E-03	S	--	--				Skin, Hair & Nails	5 9E-04	0 1	1 3E-04	0 03	5 1E-05		3 8E-05		
										Soil/Dust Ingestion Total		**2**		**0.5**		**5E-06**		**3E-06**	**8E-06**
Dermal Contact with Soil	Aluminum	19800	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	3 4	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	20 6	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 9E-05	0 06	3 1E-06	0 01	1 6E-06	2E-06	9 0E-07	1E-06	4E-06
	Cadmium	7 9	1 0E-03	I	--	--	0 001	0 025		Urinary	2 4E-07	0 01	4 0E-08	0 002	2 0E-08		1 1E-08		
	Chromium	33 0	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	11 9	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	25920	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	655	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	26 6	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 48	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	55 2	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.07**		**0.01**		**2E-06**		**1E-06**	**4E-06**
										Soil/Dust Total		**2**		**0.6**		**7E-06**		**5E-06**	**1E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 2	0 04
Developmental HI	0 03	0 006
Endocrine HI	0 4	0 1
Gastrointestinal HI	0 4	0 09
Hematologic HI	0 09	0 02
Nervous HI	0 5	0 1
Skin, Hair and Nails HI	0 8	0 2
Urinary HI	0 09	0 02

Table 57. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 804-O1 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	12306	1 0E+00	P	--	--				Nervous	1 6E-01	0 2	3 5E-02	0 04	1 3E-02		1 0E-02		
	Antimony	1 3	4 0E-04	I	--	--				Hematologic	1 7E-05	0 04	3 8E-06	0 009	1 4E-06		1 1E-06		
	RBA adjusted Arsenic	1 1	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 4E-05	0 05	3 2E-06	0 01	1 2E-06	2E-06	9 2E-07	1E-06	3E-06
	Cadmium	2 9	1 0E-03	I	--	--				Urinary	3 7E-05	0 04	8 3E-06	0 008	3 2E-06		2 4E-06		
	Chromium	25 7	3 0E-03	I	--	--			(a)	--	3 3E-04	0 1	7 4E-05	0 02	2 8E-05		2 1E-05		
	Cobalt	7 0	3 0E-04	P	--	--				Endocrine	8 9E-05	0 3	2 0E-05	0 07	7 7E-06		5 8E-06		
	Iron	17946	7 0E-01	P	--	--				Gastrointestinal	2 3E-01	0 3	5 2E-02	0 07	2 0E-02		1 5E-02		
	Manganese	449	2 4E-02	S	--	--				Nervous	5 7E-03	0 2	1 3E-03	0 05	4 9E-04		3 7E-04		
	Nickel	17 3	1 1E-02	C	--	--				Developmental	2 2E-04	0 02	5 0E-05	0 005	1 9E-05		1 4E-05		
	Thallium	0 22	1 0E-05	X	--	--				Skin, Hair & Nails	2 8E-06	0 3	6 4E-07	0 06	2 4E-07		1 8E-07		
	Vanadium	29 7	5 0E-03	S	--	--				Skin, Hair & Nails	3 8E-04	0 08	8 6E-05	0 02	3 3E-05		2 4E-05		
										Soil/Dust Ingestion Total		**2**		**0.4**		**2E-06**		**1E-06**	**3E-06**
Dermal Contact with Soil	Aluminum	14737	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	1 6	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	8 2	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	7 5E-06	0 02	1 2E-06	0 004	6 4E-07	1E-06	3 6E-07	5E-07	1E-06
	Cadmium	3 5	1 0E-03	I	--	--	0 001	0 025		Urinary	1 1E-07	0 004	1 8E-08	0 0007	9 0E-09		5 0E-09		
	Chromium	30 8	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 4	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	21492	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	538	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	20 8	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 27	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	35 6	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.03**		**0.005**		**1E-06**		**5E-07**	**1E-06**
										Soil/Dust Total		**2**		**0.4**		**3E-06**		**2E-06**	**5E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 07	0 01
Developmental HI	0 02	0 005
Endocrine HI	0 3	0 07
Gastrointestinal HI	0 3	0 07
Hematologic HI	0 04	0 009
Nervous HI	0 4	0 09
Skin, Hair and Nails HI	0 4	0 1
Urinary HI	0 04	0 009

Table 58. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 804-O2 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	13828	1 0E+00	P	--	--				Nervous	1 8E-01	0 2	4 0E-02	0 04	1 5E-02		1 1E-02		
	Antimony	4 1	4 0E-04	I	--	--				Hematologic	5 3E-05	0 1	1 2E-05	0 03	4 5E-06		3 4E-06		
	RBA adjusted Arsenic	2 4	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	3 1E-05	0 1	7 0E-06	0 02	2 7E-06	4E-06	2 0E-06	3E-06	7E-06
	Cadmium	8 8	1 0E-03	I	--	--				Urinary	1 1E-04	0 1	2 5E-05	0 03	9 7E-06		7 2E-06		
	Chromium	20 2	3 0E-03	I	--	--			(a)	--	2 6E-04	0 09	5 8E-05	0 02	2 2E-05		1 7E-05		
	Cobalt	6 4	3 0E-04	P	--	--				Endocrine	8 1E-05	0 3	1 8E-05	0 06	7 0E-06		5 2E-06		
	Iron	18036	7 0E-01	P	--	--				Gastrointestinal	2 3E-01	0 3	5 2E-02	0 07	2 0E-02		1 5E-02		
	Manganese	422	2 4E-02	S	--	--				Nervous	5 4E-03	0 2	1 2E-03	0 05	4 6E-04		3 5E-04		
	Nickel	19 0	1 1E-02	C	--	--				Developmental	2 4E-04	0 02	5 5E-05	0 005	2 1E-05		1 6E-05		
	Thallium	0 36	1 0E-05	X	--	--				Skin, Hair & Nails	4 6E-06	0 5	1 0E-06	0 1	3 9E-07		2 9E-07		
	Vanadium	34 8	5 0E-03	S	--	--				Skin, Hair & Nails	4 4E-04	0 09	1 0E-04	0 02	3 8E-05		2 9E-05		
										Soil/Dust Ingestion Total		**2**		**0.5**		**4E-06**		**3E-06**	**7E-06**
Dermal Contact with Soil	Aluminum	16560	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	5 0	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	17 9	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 6E-05	0 05	2 7E-06	0 009	1 4E-06	2E-06	7 8E-07	1E-06	3E-06
	Cadmium	10 6	1 0E-03	I	--	--	0 001	0 025		Urinary	3 2E-07	0 01	5 3E-08	0 002	2 7E-08		1 5E-08		
	Chromium	24 2	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	7 6	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	21600	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	505	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	22 8	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 43	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	41 6	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.07**		**0.01**		**2E-06**		**1E-06**	**3E-06**
										Soil/Dust Total		**2**		**0.5**		**6E-06**		**4E-06**	**1E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 2	0 03
Developmental HI	0 02	0 005
Endocrine HI	0 3	0 06
Gastrointestinal HI	0 3	0 07
Hematologic HI	0 1	0 03
Nervous HI	0 4	0 09
Skin, Hair and Nails HI	0 7	0 2
Urinary HI	0 1	0 03

Table 59. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 805-O1 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	17034	1 0E+00	P	--	--				Nervous	2 2E-01	0 2	4 9E-02	0 05	1 9E-02		1 4E-02		
	Antimony	0 9	4 0E-04	I	--	--				Hematologic	1 1E-05	0 03	2 5E-06	0 006	9 7E-07		7 3E-07		
	RBA adjusted Arsenic	2 1	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	2 6E-05	0 09	5 9E-06	0 02	2 3E-06	3E-06	1 7E-06	3E-06	6E-06
	Cadmium	1 4	1 0E-03	I	--	--				Urinary	1 8E-05	0 02	4 2E-06	0 004	1 6E-06		1 2E-06		
	Chromium	24 8	3 0E-03	I	--	--			(a)	--	3 2E-04	0 1	7 1E-05	0 02	2 7E-05		2 0E-05		
	Cobalt	9 2	3 0E-04	P	--	--				Endocrine	1 2E-04	0 4	2 7E-05	0 09	1 0E-05		7 6E-06		
	Iron	21242	7 0E-01	P	--	--				Gastrointestinal	2 7E-01	0 4	6 1E-02	0 09	2 3E-02		1 7E-02		
	Manganese	537	2 4E-02	S	--	--				Nervous	6 9E-03	0 3	1 5E-03	0 06	5 9E-04		4 4E-04		
	Nickel	20 7	1 1E-02	C	--	--				Developmental	2 7E-04	0 02	6 0E-05	0 005	2 3E-05		1 7E-05		
	Thallium	0 16	1 0E-05	X	--	--				Skin, Hair & Nails	2 0E-06	0 2	4 6E-07	0 05	1 8E-07		1 3E-07		
	Vanadium	33 6	5 0E-03	S	--	--				Skin, Hair & Nails	4 3E-04	0 09	9 7E-05	0 02	3 7E-05		2 8E-05		
										Soil/Dust Ingestion Total		**2**		**0.4**		**3E-06**		**3E-06**	**6E-06**
Dermal Contact with Soil	Aluminum	20400	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	1 1	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	15 1	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 4E-05	0 05	2 3E-06	0 008	1 2E-06	2E-06	6 6E-07	1E-06	3E-06
	Cadmium	1 7	1 0E-03	I	--	--	0 001	0 025		Urinary	5 2E-08	0 002	8 7E-09	0 0003	4 5E-09		2 5E-09		
	Chromium	29 8	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	11 1	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	25440	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	643	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	24 8	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 19	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	40 2	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.05**		**0.008**		**2E-06**		**1E-06**	**3E-06**
										Soil/Dust Total		**2**		**0.4**		**5E-06**		**4E-06**	**9E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 1	0 03
Developmental HI	0 02	0 005
Endocrine HI	0 4	0 09
Gastrointestinal HI	0 4	0 09
Hematologic HI	0 03	0 006
Nervous HI	0 5	0 1
Skin, Hair and Nails HI	0 4	0 09
Urinary HI	0 02	0 005

Table 60. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 805-O2 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	9261	1 0E+00	P	--	--				Nervous	1 2E-01	0 1	2 7E-02	0 03	1 0E-02		7 6E-03		
	Antimony	0 7	4 0E-04	I	--	--				Hematologic	9 4E-06	0 02	2 1E-06	0 005	8 1E-07		6 1E-07		
	RBA adjusted Arsenic	0 8	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	9 6E-06	0 03	2 2E-06	0 007	8 2E-07	1E-06	6 2E-07	9E-07	2E-06
	Cadmium	1 5	1 0E-03	I	--	--				Urinary	1 9E-05	0 02	4 2E-06	0 004	1 6E-06		1 2E-06		
	Chromium	16 4	3 0E-03	I	--	--			(a)	--	2 1E-04	0 07	4 7E-05	0 02	1 8E-05		1 3E-05		
	Cobalt	5 6	3 0E-04	P	--	--				Endocrine	7 1E-05	0 2	1 6E-05	0 05	6 1E-06		4 6E-06		
	Iron	13604	7 0E-01	P	--	--				Gastrointestinal	1 7E-01	0 2	3 9E-02	0 06	1 5E-02		1 1E-02		
	Manganese	344	2 4E-02	S	--	--				Nervous	4 4E-03	0 2	9 9E-04	0 04	3 8E-04		2 8E-04		
	Nickel	13 6	1 1E-02	C	--	--				Developmental	1 7E-04	0 02	3 9E-05	0 004	1 5E-05		1 1E-05		
	Thallium	0 13	1 0E-05	X	--	--				Skin, Hair & Nails	1 6E-06	0 2	3 6E-07	0 04	1 4E-07		1 0E-07		
	Vanadium	21 9	5 0E-03	S	--	--				Skin, Hair & Nails	2 8E-04	0 06	6 3E-05	0 01	2 4E-05		1 8E-05		
										Soil/Dust Ingestion Total		**1**		**0.3**		**1E-06**		**9E-07**	**2E-06**
Dermal Contact with Soil	Aluminum	11091	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	0 9	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	5 5	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	5 0E-06	0 02	8 4E-07	0 003	4 3E-07	6E-07	2 4E-07	4E-07	1E-06
	Cadmium	1 7	1 0E-03	I	--	--	0 001	0 025		Urinary	5 3E-08	0 002	8 8E-09	0 0004	4 5E-09		2 5E-09		
	Chromium	19 6	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	6 7	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	16292	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	412	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	16 2	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 15	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	26 2	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.02**		**0.003**		**6E-07**		**4E-07**	**1E-06**
										Soil/Dust Total		**1**		**0.3**		**2E-06**		**1E-06**	**3E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 05	0 01
Developmental HI	0 02	0 004
Endocrine HI	0 2	0 05
Gastrointestinal HI	0 2	0 06
Hematologic HI	0 02	0 005
Nervous HI	0 3	0 07
Skin, Hair and Nails HI	0 3	0 06
Urinary HI	0 02	0 005

Table 61. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 806-O1 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	12926	1 0E+00	P	--	--				Nervous	1 7E-01	0 2	3 7E-02	0 04	1 4E-02		1 1E-02		
	Antimony	0 6	4 0E-04	I	--	--				Hematologic	8 3E-06	0 02	1 9E-06	0 005	7 1E-07		5 3E-07		
	RBA adjusted Arsenic	1 6	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	2 0E-05	0 07	4 6E-06	0 02	1 8E-06	3E-06	1 3E-06	2E-06	5E-06
	Cadmium	2 4	1 0E-03	I	--	--				Urinary	3 1E-05	0 03	6 9E-06	0 007	2 6E-06		2 0E-06		
	Chromium	25 6	3 0E-03	I	--	--			(a)	--	3 3E-04	0 1	7 4E-05	0 02	2 8E-05		2 1E-05		
	Cobalt	8 2	3 0E-04	P	--	--				Endocrine	1 1E-04	0 4	2 4E-05	0 08	9 0E-06		6 8E-06		
	Iron	20741	7 0E-01	P	--	--				Gastrointestinal	2 7E-01	0 4	6 0E-02	0 09	2 3E-02		1 7E-02		
	Manganese	494	2 4E-02	S	--	--				Nervous	6 3E-03	0 3	1 4E-03	0 06	5 4E-04		4 1E-04		
	Nickel	23 0	1 1E-02	C	--	--				Developmental	2 9E-04	0 03	6 6E-05	0 006	2 5E-05		1 9E-05		
	Thallium	0 12	1 0E-05	X	--	--				Skin, Hair & Nails	1 5E-06	0 2	3 4E-07	0 03	1 3E-07		9 7E-08		
	Vanadium	36 4	5 0E-03	S	--	--				Skin, Hair & Nails	4 7E-04	0 09	1 0E-04	0 02	4 0E-05		3 0E-05		
										Soil/Dust Ingestion Total		**2**		**0.4**		**3E-06**		**2E-06**	**5E-06**
Dermal Contact with Soil	Aluminum	15480	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	0 8	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	11 7	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 1E-05	0 04	1 8E-06	0 006	9 1E-07	1E-06	5 1E-07	8E-07	2E-06
	Cadmium	2 9	1 0E-03	I	--	--	0 001	0 025		Urinary	8 7E-08	0 003	1 5E-08	0 0006	7 5E-09		4 2E-09		
	Chromium	30 6	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	9 9	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	24840	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	592	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	27 6	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 14	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	43 6	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.04**		**0.007**		**1E-06**		**8E-07**	**2E-06**
										Soil/Dust Total		**2**		**0.4**		**4E-06**		**3E-06**	**7E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 1	0 02
Developmental HI	0 03	0 006
Endocrine HI	0 4	0 08
Gastrointestinal HI	0 4	0 09
Hematologic HI	0 02	0 005
Nervous HI	0 4	0 1
Skin, Hair and Nails HI	0 3	0 08
Urinary HI	0 03	0 008

Table 62. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 806-O2 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	16733	1 0E+00	P	--	--				Nervous	2 1E-01	0 2	4 8E-02	0 05	1 8E-02		1 4E-02		
	Antimony	0 8	4 0E-04	I	--	--				Hematologic	1 0E-05	0 03	2 3E-06	0 006	8 9E-07		6 6E-07		
	RBA adjusted Arsenic	2 9	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	3 7E-05	0 1	8 3E-06	0 03	3 1E-06	5E-06	2 4E-06	4E-06	8E-06
	Cadmium	2 7	1 0E-03	I	--	--				Urinary	3 5E-05	0 04	7 9E-06	0 008	3 0E-06		2 3E-06		
	Chromium	30 8	3 0E-03	I	--	--			(a)	--	3 9E-04	0 1	8 8E-05	0 03	3 4E-05		2 5E-05		
	Cobalt	10 7	3 0E-04	P	--	--				Endocrine	1 4E-04	0 5	3 1E-05	0 1	1 2E-05		8 8E-06		
	Iron	22645	7 0E-01	P	--	--				Gastrointestinal	2 9E-01	0 4	6 5E-02	0 09	2 5E-02		1 9E-02		
	Manganese	545	2 4E-02	S	--	--				Nervous	7 0E-03	0 3	1 6E-03	0 07	6 0E-04		4 5E-04		
	Nickel	32 0	1 1E-02	C	--	--				Developmental	4 1E-04	0 04	9 2E-05	0 008	3 5E-05		2 6E-05		
	Thallium	0 17	1 0E-05	X	--	--				Skin, Hair & Nails	2 1E-06	0 2	4 8E-07	0 05	1 8E-07		1 4E-07		
	Vanadium	37 1	5 0E-03	S	--	--				Skin, Hair & Nails	4 7E-04	0 09	1 1E-04	0 02	4 1E-05		3 0E-05		
										Soil/Dust Ingestion Total		**2**		**0.5**		**5E-06**		**4E-06**	**8E-06**
Dermal Contact with Soil	Aluminum	20040	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	1 0	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	21 0	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 9E-05	0 06	3 2E-06	0 01	1 6E-06	2E-06	9 1E-07	1E-06	4E-06
	Cadmium	3 3	1 0E-03	I	--	--	0 001	0 025		Urinary	1 0E-07	0 004	1 7E-08	0 0007	8 6E-09		4 8E-09		
	Chromium	36 8	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	12 8	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	27120	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	653	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	38 3	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 20	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	44 4	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.07**		**0.01**		**2E-06**		**1E-06**	**4E-06**
										Soil/Dust Total		**2**		**0.5**		**7E-06**		**5E-06**	**1E-05**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 2	0 04
Developmental HI	0 04	0 008
Endocrine HI	0 5	0 1
Gastrointestinal HI	0 4	0 09
Hematologic HI	0 03	0 006
Nervous HI	0 5	0 1
Skin, Hair and Nails HI	0 5	0 1
Urinary HI	0 04	0 009

Table 63. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 806-O3 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	13427	1 0E+00	P	--	--				Nervous	1 7E-01	0 2	3 9E-02	0 04	1 5E-02		1 1E-02		
	Antimony	0 9	4 0E-04	I	--	--				Hematologic	1 2E-05	0 03	2 6E-06	0 007	1 0E-06		7 5E-07		
	RBA adjusted Arsenic	1 3	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 7E-05	0 06	3 8E-06	0 01	1 4E-06	2E-06	1 1E-06	2E-06	4E-06
	Cadmium	1 7	1 0E-03	I	--	--				Urinary	2 2E-05	0 02	4 9E-06	0 005	1 9E-06		1 4E-06		
	Chromium	23 3	3 0E-03	I	--	--			(a)	--	3 0E-04	0 1	6 7E-05	0 02	2 6E-05		1 9E-05		
	Cobalt	6 7	3 0E-04	P	--	--				Endocrine	8 6E-05	0 3	1 9E-05	0 06	7 3E-06		5 5E-06		
	Iron	20341	7 0E-01	P	--	--				Gastrointestinal	2 6E-01	0 4	5 9E-02	0 08	2 2E-02		1 7E-02		
	Manganese	598	2 4E-02	S	--	--				Nervous	7 6E-03	0 3	1 7E-03	0 07	6 6E-04		4 9E-04		
	Nickel	18 9	1 1E-02	C	--	--				Developmental	2 4E-04	0 02	5 4E-05	0 005	2 1E-05		1 6E-05		
	Thallium	0 11	1 0E-05	X	--	--				Skin, Hair & Nails	1 4E-06	0 1	3 3E-07	0 03	1 2E-07		9 3E-08		
	Vanadium	35 4	5 0E-03	S	--	--				Skin, Hair & Nails	4 5E-04	0 09	1 0E-04	0 02	3 9E-05		2 9E-05		
										Soil/Dust Ingestion Total		**2**		**0.4**		**2E-06**		**2E-06**	**4E-06**
Dermal Contact with Soil	Aluminum	16080	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	1 1	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	9 5	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	8 7E-06	0 03	1 4E-06	0 005	7 4E-07	1E-06	4 1E-07	6E-07	2E-06
	Cadmium	2 0	1 0E-03	I	--	--	0 001	0 025		Urinary	6 2E-08	0 002	1 0E-08	0 0004	5 3E-09		2 9E-09		
	Chromium	28 0	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 0	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	24360	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	716	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	22 7	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 14	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	42 4	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.03**		**0.005**		**1E-06**		**6E-07**	**2E-06**
										Soil/Dust Total		**2**		**0.4**		**3E-06**		**2E-06**	**5E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 08	0 02
Developmental HI	0 02	0 005
Endocrine HI	0 3	0 06
Gastrointestinal HI	0 4	0 08
Hematologic HI	0 03	0 007
Nervous HI	0 5	0 1
Skin, Hair and Nails HI	0 3	0 07
Urinary HI	0 02	0 005

Table 64. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 806-O4 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	12377	1 0E+00	P	--	--				Nervous	1 6E-01	0 2	3 6E-02	0 04	1 4E-02		1 0E-02		
	Antimony	0 7	4 0E-04	I	--	--				Hematologic	8 4E-06	0 02	1 9E-06	0 005	7 2E-07		5 4E-07		
	RBA adjusted Arsenic	1 3	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 7E-05	0 06	3 8E-06	0 01	1 5E-06	2E-06	1 1E-06	2E-06	4E-06
	Cadmium	1 5	1 0E-03	I	--	--				Urinary	1 9E-05	0 02	4 2E-06	0 004	1 6E-06		1 2E-06		
	Chromium	20 2	3 0E-03	I	--	--			(a)	--	2 6E-04	0 09	5 8E-05	0 02	2 2E-05		1 7E-05		
	Cobalt	6 9	3 0E-04	P	--	--				Endocrine	8 9E-05	0 3	2 0E-05	0 07	7 6E-06		5 7E-06		
	Iron	17026	7 0E-01	P	--	--				Gastrointestinal	2 2E-01	0 3	4 9E-02	0 07	1 9E-02		1 4E-02		
	Manganese	496	2 4E-02	S	--	--				Nervous	6 3E-03	0 3	1 4E-03	0 06	5 4E-04		4 1E-04		
	Nickel	17 9	1 1E-02	C	--	--				Developmental	2 3E-04	0 02	5 1E-05	0 005	2 0E-05		1 5E-05		
	Thallium	0 10	1 0E-05	X	--	--				Skin, Hair & Nails	1 3E-06	0 1	3 0E-07	0 03	1 1E-07		8 6E-08		
	Vanadium	31 2	5 0E-03	S	--	--				Skin, Hair & Nails	4 0E-04	0 08	9 0E-05	0 02	3 4E-05		2 6E-05		
										Soil/Dust Ingestion Total		**1**		**0.3**		**2E-06**		**2E-06**	**4E-06**
Dermal Contact with Soil	Aluminum	14823	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	0 8	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	9 8	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	8 9E-06	0 03	1 5E-06	0 005	7 6E-07	1E-06	4 2E-07	6E-07	2E-06
	Cadmium	1 8	1 0E-03	I	--	--	0 001	0 025		Urinary	5 3E-08	0 002	8 9E-09	0 0004	4 6E-09		2 5E-09		
	Chromium	24 2	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 3	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	20391	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	594	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	21 4	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 13	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	37 4	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.03**		**0.005**		**1E-06**		**6E-07**	**2E-06**
										Soil/Dust Total		**1**		**0.3**		**3E-06**		**2E-06**	**6E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 09	0 02
Developmental HI	0 02	0 005
Endocrine HI	0 3	0 07
Gastrointestinal HI	0 3	0 07
Hematologic HI	0 02	0 005
Nervous HI	0 4	0 1
Skin, Hair and Nails HI	0 3	0 07
Urinary HI	0 02	0 005

Table 65. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 806-O5 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	15230	1 0E+00	P	--	--				Nervous	1 9E-01	0 2	4 4E-02	0 04	1 7E-02		1 3E-02		
	Antimony	0 7	4 0E-04	I	--	--				Hematologic	9 5E-06	0 02	2 1E-06	0 005	8 1E-07		6 1E-07		
	RBA adjusted Arsenic	1 5	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 9E-05	0 06	4 2E-06	0 01	1 6E-06	2E-06	1 2E-06	2E-06	4E-06
	Cadmium	1 6	1 0E-03	I	--	--				Urinary	2 0E-05	0 02	4 6E-06	0 005	1 7E-06		1 3E-06		
	Chromium	21 9	3 0E-03	I	--	--			(a)	--	2 8E-04	0 09	6 3E-05	0 02	2 4E-05		1 8E-05		
	Cobalt	7 4	3 0E-04	P	--	--				Endocrine	9 5E-05	0 3	2 1E-05	0 07	8 1E-06		6 1E-06		
	Iron	19739	7 0E-01	P	--	--				Gastrointestinal	2 5E-01	0 4	5 7E-02	0 08	2 2E-02		1 6E-02		
	Manganese	598	2 4E-02	S	--	--				Nervous	7 6E-03	0 3	1 7E-03	0 07	6 6E-04		4 9E-04		
	Nickel	19 1	1 1E-02	C	--	--				Developmental	2 4E-04	0 02	5 5E-05	0 005	2 1E-05		1 6E-05		
	Thallium	0 12	1 0E-05	X	--	--				Skin, Hair & Nails	1 5E-06	0 2	3 4E-07	0 03	1 3E-07		9 8E-08		
	Vanadium	34 7	5 0E-03	S	--	--				Skin, Hair & Nails	4 4E-04	0 09	1 0E-04	0 02	3 8E-05		2 8E-05		
										Soil/Dust Ingestion Total		**2**		**0.4**		**2E-06**		**2E-06**	**4E-06**
Dermal Contact with Soil	Aluminum	18240	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	0 9	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	10 7	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	9 7E-06	0 03	1 6E-06	0 005	8 3E-07	1E-06	4 6E-07	7E-07	2E-06
	Cadmium	1 9	1 0E-03	I	--	--	0 001	0 025		Urinary	5 8E-08	0 002	9 7E-09	0 0004	5 0E-09		2 8E-09		
	Chromium	26 3	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 9	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	23640	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	716	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	22 9	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 14	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	41 5	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.03**		**0.006**		**1E-06**		**7E-07**	**2E-06**
										Soil/Dust Total		**2**		**0.4**		**4E-06**		**2E-06**	**6E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 09	0 02
Developmental HI	0 02	0 005
Endocrine HI	0 3	0 07
Gastrointestinal HI	0 4	0 08
Hematologic HI	0 02	0 005
Nervous HI	0 5	0 1
Skin, Hair and Nails HI	0 3	0 07
Urinary HI	0 02	0 005

Table 66. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 807-O1 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	21355	1 0E+00	P	--	--				Nervous	2 7E-01	0 3	6 1E-02	0 06	2 3E-02		1 8E-02		
	Antimony	0 5	4 0E-04	I	--	--				Hematologic	5 8E-06	0 01	1 3E-06	0 003	5 0E-07		3 7E-07		
	RBA adjusted Arsenic	1 6	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	2 1E-05	0 07	4 7E-06	0 02	1 8E-06	3E-06	1 3E-06	2E-06	5E-06
	Cadmium	0 8	1 0E-03	I	--	--				Urinary	1 0E-05	0 01	2 3E-06	0 002	8 6E-07		6 5E-07		
	Chromium	20 1	3 0E-03	I	--	--			(a)	--	2 6E-04	0 09	5 8E-05	0 02	2 2E-05		1 7E-05		
	Cobalt	7 2	3 0E-04	P	--	--				Endocrine	9 2E-05	0 3	2 1E-05	0 07	7 9E-06		5 9E-06		
	Iron	18004	7 0E-01	P	--	--				Gastrointestinal	2 3E-01	0 3	5 2E-02	0 07	2 0E-02		1 5E-02		
	Manganese	736	2 4E-02	S	--	--				Nervous	9 4E-03	0 4	2 1E-03	0 09	8 1E-04		6 0E-04		
	Nickel	19 3	1 1E-02	C	--	--				Developmental	2 5E-04	0 02	5 5E-05	0 005	2 1E-05		1 6E-05		
	Thallium	0 14	1 0E-05	X	--	--				Skin, Hair & Nails	1 8E-06	0 2	4 0E-07	0 04	1 5E-07		1 1E-07		
	Vanadium	32 9	5 0E-03	S	--	--				Skin, Hair & Nails	4 2E-04	0 08	9 5E-05	0 02	3 6E-05		2 7E-05		
										Soil/Dust Ingestion Total		**2**		**0.4**		**3E-06**		**2E-06**	**5E-06**
Dermal Contact with Soil	Aluminum	25574	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	0 5	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	12 0	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 1E-05	0 04	1 8E-06	0 006	9 3E-07	1E-06	5 2E-07	8E-07	2E-06
	Cadmium	0 9	1 0E-03	I	--	--	0 001	0 025		Urinary	2 9E-08	0 001	4 8E-09	0 0002	2 4E-09		1 4E-09		
	Chromium	24 1	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 7	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	21561	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	881	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	23 1	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 16	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	39 4	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.04**		**0.006**		**1E-06**		**8E-07**	**2E-06**
										Soil/Dust Total		**2**		**0.4**		**4E-06**		**3E-06**	**7E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 1	0 02
Developmental HI	0 02	0 005
Endocrine HI	0 3	0 07
Gastrointestinal HI	0 3	0 07
Hematologic HI	0 01	0 003
Nervous HI	0 7	0 1
Skin, Hair and Nails HI	0 4	0 08
Urinary HI	0 01	0 002

Table 67. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 808-O1 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	9733	1 0E+00	P	--	--				Nervous	1 2E-01	0 1	2 8E-02	0 03	1 1E-02		8 0E-03		
	Antimony	0 5	4 0E-04	I	--	--				Hematologic	6 7E-06	0 02	1 5E-06	0 004	5 8E-07		4 3E-07		
	RBA adjusted Arsenic	1 0	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 3E-05	0 04	2 9E-06	0 01	1 1E-06	2E-06	8 2E-07	1E-06	3E-06
	Cadmium	1 1	1 0E-03	I	--	--				Urinary	1 5E-05	0 01	3 3E-06	0 003	1 2E-06		9 3E-07		
	Chromium	22 3	3 0E-03	I	--	--			(a)	--	2 9E-04	0 1	6 4E-05	0 02	2 4E-05		1 8E-05		
	Cobalt	6 5	3 0E-04	P	--	--				Endocrine	8 4E-05	0 3	1 9E-05	0 06	7 2E-06		5 4E-06		
	Iron	17323	7 0E-01	P	--	--				Gastrointestinal	2 2E-01	0 3	5 0E-02	0 07	1 9E-02		1 4E-02		
	Manganese	453	2 4E-02	S	--	--				Nervous	5 8E-03	0 2	1 3E-03	0 05	5 0E-04		3 7E-04		
	Nickel	16 7	1 1E-02	C	--	--				Developmental	2 1E-04	0 02	4 8E-05	0 004	1 8E-05		1 4E-05		
	Thallium	0 12	1 0E-05	X	--	--				Skin, Hair & Nails	1 5E-06	0 1	3 3E-07	0 03	1 3E-07		9 5E-08		
	Vanadium	31 8	5 0E-03	S	--	--				Skin, Hair & Nails	4 1E-04	0 08	9 2E-05	0 02	3 5E-05		2 6E-05		
										Soil/Dust Ingestion Total		**1**		**0.3**		**2E-06**		**1E-06**	**3E-06**
Dermal Contact with Soil	Aluminum	11656	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	0 6	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	7 3	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	6 7E-06	0 02	1 1E-06	0 004	5 7E-07	9E-07	3 2E-07	5E-07	1E-06
	Cadmium	1 4	1 0E-03	I	--	--	0 001	0 025		Urinary	4 1E-08	0 002	6 9E-09	0 0003	3 5E-09		2 0E-09		
	Chromium	26 7	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	7 8	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	20746	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	542	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	20 0	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 14	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	38 1	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.02**		**0.004**		**9E-07**		**5E-07**	**1E-06**
										Soil/Dust Total		**1**		**0.3**		**3E-06**		**2E-06**	**4E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 06	0 01
Developmental HI	0 02	0 004
Endocrine HI	0 3	0 06
Gastrointestinal HI	0 3	0 07
Hematologic HI	0 02	0 004
Nervous HI	0 4	0 08
Skin, Hair and Nails HI	0 3	0 06
Urinary HI	0 02	0 004

Table 68. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 808-O2 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	12425	1 0E+00	P	--	--				Nervous	1 6E-01	0 2	3 6E-02	0 04	1 4E-02		1 0E-02		
	Antimony	0 9	4 0E-04	I	--	--				Hematologic	1 2E-05	0 03	2 7E-06	0 007	1 0E-06		7 6E-07		
	RBA adjusted Arsenic	1 1	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 5E-05	0 05	3 3E-06	0 01	1 3E-06	2E-06	9 4E-07	1E-06	3E-06
	Cadmium	1 1	1 0E-03	I	--	--				Urinary	1 4E-05	0 01	3 2E-06	0 003	1 2E-06		9 1E-07		
	Chromium	21 4	3 0E-03	I	--	--			(a)	--	2 7E-04	0 09	6 2E-05	0 02	2 3E-05		1 8E-05		
	Cobalt	6 4	3 0E-04	P	--	--				Endocrine	8 2E-05	0 3	1 8E-05	0 06	7 0E-06		5 3E-06		
	Iron	18938	7 0E-01	P	--	--				Gastrointestinal	2 4E-01	0 3	5 4E-02	0 08	2 1E-02		1 6E-02		
	Manganese	573	2 4E-02	S	--	--				Nervous	7 3E-03	0 3	1 6E-03	0 07	6 3E-04		4 7E-04		
	Nickel	17 1	1 1E-02	C	--	--				Developmental	2 2E-04	0 02	4 9E-05	0 004	1 9E-05		1 4E-05		
	Thallium	0 26	1 0E-05	X	--	--				Skin, Hair & Nails	3 4E-06	0 3	7 6E-07	0 08	2 9E-07		2 2E-07		
	Vanadium	27 5	5 0E-03	S	--	--				Skin, Hair & Nails	3 5E-04	0 07	7 9E-05	0 02	3 0E-05		2 3E-05		
										Soil/Dust Ingestion Total		**2**		**0.4**		**2E-06**		**1E-06**	**3E-06**
Dermal Contact with Soil	Aluminum	14880	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	1 1	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	8 4	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	7 6E-06	0 03	1 3E-06	0 004	6 5E-07	1E-06	3 6E-07	5E-07	2E-06
	Cadmium	1 3	1 0E-03	I	--	--	0 001	0 025		Urinary	4 0E-08	0 002	6 7E-09	0 0003	3 4E-09		1 9E-09		
	Chromium	25 7	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	7 7	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	22680	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	686	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	20 5	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 32	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	32 9	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.03**		**0.005**		**1E-06**		**5E-07**	**2E-06**
										Soil/Dust Total		**2**		**0.4**		**3E-06**		**2E-06**	**5E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 07	0 02
Developmental HI	0 02	0 004
Endocrine HI	0 3	0 06
Gastrointestinal HI	0 3	0 08
Hematologic HI	0 03	0 007
Nervous HI	0 5	0 1
Skin, Hair and Nails HI	0 5	0 1
Urinary HI	0 02	0 003

Table 69. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 258 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	17585	1 0E+00	P	--	--				Nervous	6 6E-02	0 07	7 7E-03	0 008	1 9E-03		8 8E-04		
	Antimony	10 2	4 0E-04	I	--	--				Hematologic	3 8E-05	0 1	4 5E-06	0 01	1 1E-06		5 1E-07		
	RBA adjusted Arsenic	11 8	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	4 4E-05	0 1	5 2E-06	0 02	1 3E-06	2E-06	5 9E-07	9E-07	3E-06
	Cadmium	16 0	1 0E-03	I	--	--				Urinary	6 0E-05	0 06	7 0E-06	0 007	1 7E-06		8 0E-07		
	Chromium	10 3	3 0E-03	I	--	--			(a)	--	3 8E-05	0 01	4 5E-06	0 001	1 1E-06		5 1E-07		
	Cobalt	4 8	3 0E-04	P	--	--				Endocrine	1 8E-05	0 06	2 1E-06	0 007	5 1E-07		2 4E-07		
	Iron	12238	7 0E-01	P	--	--				Gastrointestinal	4 6E-02	0 07	5 4E-03	0 008	1 3E-03		6 1E-04		
	Manganese	670	2 4E-02	S	--	--				Nervous	2 5E-03	0 1	2 9E-04	0 01	7 2E-05		3 4E-05		
	Nickel	9 2	1 1E-02	C	--	--				Developmental	3 4E-05	0 003	4 0E-06	0 0004	9 8E-07		4 6E-07		
	Thallium	0 50	1 0E-05	X	--	--				Skin, Hair & Nails	1 9E-06	0 2	2 2E-07	0 02	5 3E-08		2 5E-08		
	Vanadium	20 8	5 0E-03	S	--	--				Skin, Hair & Nails	7 8E-05	0 02	9 1E-06	0 002	2 2E-06		1 0E-06		
										Soil/Dust Ingestion Total		**0.8**		**0.1**		**2E-06**		**9E-07**	**3E-06**
Dermal Contact with Soil	Aluminum	21060	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	12 2	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	51 9	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	6 9E-06	0 02	8 2E-07	0 003	2 0E-07	3E-07	9 4E-08	1E-07	4E-07
	Cadmium	19 1	1 0E-03	I	--	--	0 001	0 025		Urinary	8 5E-08	0 003	1 0E-08	0 0004	2 4E-09		1 2E-09		
	Chromium	12 3	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	5 7	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	14656	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	802	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	11 0	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 60	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	25 0	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.03**		**0.003**		**3E-07**		**1E-07**	**4E-07**
										Soil/Dust Total		**0.8**		**0.1**		**2E-06**		**1E-06**	**3E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 2	0 02
Developmental HI	0 003	0 0004
Endocrine HI	0 06	0 007
Gastrointestinal HI	0 07	0 008
Hematologic HI	0 1	0 01
Nervous HI	0 2	0 02
Skin, Hair and Nails HI	0 4	0 04
Urinary HI	0 06	0 007

Table 70. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 259 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	15631	1 0E+00	P	--	--				Nervous	5 8E-02	0 06	6 9E-03	0 007	1 7E-03		7 8E-04		
	Antimony	3 2	4 0E-04	I	--	--				Hematologic	1 2E-05	0 03	1 4E-06	0 003	3 4E-07		1 6E-07		
	RBA adjusted Arsenic	5 4	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	2 0E-05	0 07	2 4E-06	0 008	5 8E-07	9E-07	2 7E-07	4E-07	1E-06
	Cadmium	5 7	1 0E-03	I	--	--				Urinary	2 1E-05	0 02	2 5E-06	0 003	6 1E-07		2 9E-07		
	Chromium	14 7	3 0E-03	I	--	--			(a)	--	5 5E-05	0 02	6 5E-06	0 002	1 6E-06		7 4E-07		
	Cobalt	5 3	3 0E-04	P	--	--				Endocrine	2 0E-05	0 07	2 3E-06	0 008	5 6E-07		2 6E-07		
	Iron	14830	7 0E-01	P	--	--				Gastrointestinal	5 5E-02	0 08	6 5E-03	0 009	1 6E-03		7 4E-04		
	Manganese	511	2 4E-02	S	--	--				Nervous	1 9E-03	0 08	2 2E-04	0 009	5 5E-05		2 6E-05		
	Nickel	11 5	1 1E-02	C	--	--				Developmental	4 3E-05	0 004	5 1E-06	0 0005	1 2E-06		5 8E-07		
	Thallium	0 29	1 0E-05	X	--	--				Skin, Hair & Nails	1 1E-06	0 1	1 3E-07	0 01	3 1E-08		1 4E-08		
	Vanadium	26 3	5 0E-03	S	--	--				Skin, Hair & Nails	9 8E-05	0 02	1 2E-05	0 002	2 8E-06		1 3E-06		
										Soil/Dust Ingestion Total		**0.6**		**0.06**		**9E-07**		**4E-07**	**1E-06**
Dermal Contact with Soil	Aluminum	18720	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	3 8	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	23 6	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	3 1E-06	0 01	3 8E-07	0 001	9 0E-08	1E-07	4 3E-08	6E-08	2E-07
	Cadmium	6 9	1 0E-03	I	--	--	0 001	0 025		Urinary	3 1E-08	0 001	3 6E-09	0 0001	8 7E-10		4 2E-10		
	Chromium	17 6	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	6 3	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	17760	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	612	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	13 8	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 34	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	31 4	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.01**		**0.001**		**1E-07**		**6E-08**	**2E-07**
										Soil/Dust Total		**0.6**		**0.07**		**1E-06**		**5E-07**	**1E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 08	0 009
Developmental HI	0 004	0 0005
Endocrine HI	0 07	0 008
Gastrointestinal HI	0 08	0 009
Hematologic HI	0 03	0 003
Nervous HI	0 1	0 02
Skin, Hair and Nails HI	0 2	0 02
Urinary HI	0 02	0 003

Table 71. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 401 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	26152	1 0E+00	P	--	--				Nervous	9 8E-02	0 1	1 1E-02	0 01	2 8E-03		1 3E-03		
	Antimony	15 7	4 0E-04	I	--	--				Hematologic	5 9E-05	0 1	6 9E-06	0 02	1 7E-06		7 9E-07		
	RBA adjusted Arsenic	21 2	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	7 9E-05	0 3	9 3E-06	0 03	2 3E-06	3E-06	1 1E-06	2E-06	5E-06
	Cadmium	20 5	1 0E-03	I	--	--				Urinary	7 7E-05	0 08	9 0E-06	0 009	2 2E-06		1 0E-06		
	Chromium	16 7	3 0E-03	I	--	--			(a)	--	6 3E-05	0 02	7 3E-06	0 002	1 8E-06		8 4E-07		
	Cobalt	7 3	3 0E-04	P	--	--				Endocrine	2 7E-05	0 09	3 2E-06	0 01	7 8E-07		3 7E-07		
	Iron	19639	7 0E-01	P	--	--				Gastrointestinal	7 3E-02	0 1	8 6E-03	0 01	2 1E-03		9 8E-04		
	Manganese	949	2 4E-02	S	--	--				Nervous	3 5E-03	0 1	4 2E-04	0 02	1 0E-04		4 8E-05		
	Nickel	13 9	1 1E-02	C	--	--				Developmental	5 2E-05	0 005	6 1E-06	0 0006	1 5E-06		7 0E-07		
	Thallium	0 79	1 0E-05	X	--	--				Skin, Hair & Nails	3 0E-06	0 3	3 5E-07	0 03	8 5E-08		4 0E-08		
	Vanadium	34 3	5 0E-03	S	--	--				Skin, Hair & Nails	1 3E-04	0 03	1 5E-05	0 003	3 7E-06		1 7E-06		
										Soil/Dust Ingestion Total		**1**		**0.1**		**3E-06**		**2E-06**	**5E-06**
Dermal Contact with Soil	Aluminum	31320	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	18 8	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	97 0	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 3E-05	0 04	1 5E-06	0 005	3 7E-07	6E-07	1 8E-07	3E-07	8E-07
	Cadmium	24 6	1 0E-03	I	--	--	0 001	0 025		Urinary	1 1E-07	0 004	1 3E-08	0 0005	3 1E-09		1 5E-09		
	Chromium	20 0	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 7	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	23520	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	1136	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	16 7	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 95	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	41 0	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.05**		**0.006**		**6E-07**		**3E-07**	**8E-07**
										Soil/Dust Total		**1**		**0.2**		**4E-06**		**2E-06**	**6E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 3	0 04
Developmental HI	0 005	0 0006
Endocrine HI	0 09	0 01
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 1	0 02
Nervous HI	0 2	0 03
Skin, Hair and Nails HI	0 6	0 07
Urinary HI	0 08	0 01

Table 72. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 402 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	12122	1 0E+00	P	--	--				Nervous	4 5E-02	0 05	5 3E-03	0 005	1 3E-03		6 1E-04		
	Antimony	6 3	4 0E-04	I	--	--				Hematologic	2 3E-05	0 06	2 7E-06	0 007	6 7E-07		3 1E-07		
	RBA adjusted Arsenic	8 8	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	3 3E-05	0 1	3 9E-06	0 01	9 4E-07	1E-06	4 4E-07	7E-07	2E-06
	Cadmium	8 9	1 0E-03	I	--	--				Urinary	3 3E-05	0 03	3 9E-06	0 004	9 6E-07		4 5E-07		
	Chromium	14 9	3 0E-03	I	--	--			(a)	--	5 6E-05	0 02	6 5E-06	0 002	1 6E-06		7 5E-07		
	Cobalt	4 8	3 0E-04	P	--	--				Endocrine	1 8E-05	0 06	2 1E-06	0 007	5 2E-07		2 4E-07		
	Iron	13534	7 0E-01	P	--	--				Gastrointestinal	5 1E-02	0 07	5 9E-03	0 008	1 4E-03		6 8E-04		
	Manganese	469	2 4E-02	S	--	--				Nervous	1 8E-03	0 07	2 1E-04	0 009	5 0E-05		2 3E-05		
	Nickel	11 4	1 1E-02	C	--	--				Developmental	4 2E-05	0 004	5 0E-06	0 0005	1 2E-06		5 7E-07		
	Thallium	0 48	1 0E-05	X	--	--				Skin, Hair & Nails	1 8E-06	0 2	2 1E-07	0 02	5 1E-08		2 4E-08		
	Vanadium	23 2	5 0E-03	S	--	--				Skin, Hair & Nails	8 7E-05	0 02	1 0E-05	0 002	2 5E-06		1 2E-06		
										Soil/Dust Ingestion Total		**0.7**		**0.08**		**1E-06**		**7E-07**	**2E-06**
Dermal Contact with Soil	Aluminum	14518	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	7 5	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	38 3	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	5 1E-06	0 02	6 1E-07	0 002	1 5E-07	2E-07	6 9E-08	1E-07	3E-07
	Cadmium	10 7	1 0E-03	I	--	--	0 001	0 025		Urinary	4 8E-08	0 002	5 7E-09	0 0002	1 4E-09		6 5E-10		
	Chromium	17 8	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	5 8	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	16208	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	561	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	13 6	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 57	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	27 8	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.02**		**0.002**		**2E-07**		**1E-07**	**3E-07**
										Soil/Dust Total		**0.7**		**0.08**		**2E-06**		**8E-07**	**2E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 1	0 01
Developmental HI	0 004	0 0005
Endocrine HI	0 06	0 007
Gastrointestinal HI	0 07	0 008
Hematologic HI	0 06	0 007
Nervous HI	0 1	0 01
Skin, Hair and Nails HI	0 3	0 04
Urinary HI	0 04	0 004

Table 73. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 403 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	12826	1 0E+00	P	--	--				Nervous	4 8E-02	0 05	5 6E-03	0 006	1 4E-03		6 4E-04		
	Antimony	4 1	4 0E-04	I	--	--				Hematologic	1 5E-05	0 04	1 8E-06	0 004	4 4E-07		2 0E-07		
	RBA adjusted Arsenic	7 2	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	2 7E-05	0 09	3 1E-06	0 01	7 7E-07	1E-06	3 6E-07	5E-07	2E-06
	Cadmium	9 4	1 0E-03	I	--	--				Urinary	3 5E-05	0 04	4 1E-06	0 004	1 0E-06		4 7E-07		
	Chromium	28 9	3 0E-03	I	--	--			(a)	--	1 1E-04	0 04	1 3E-05	0 004	3 1E-06		1 4E-06		
	Cobalt	8 0	3 0E-04	P	--	--				Endocrine	3 0E-05	0 1	3 5E-06	0 01	8 6E-07		4 0E-07		
	Iron	19238	7 0E-01	P	--	--				Gastrointestinal	7 2E-02	0 1	8 4E-03	0 01	2 1E-03		9 6E-04		
	Manganese	715	2 4E-02	S	--	--				Nervous	2 7E-03	0 1	3 1E-04	0 01	7 6E-05		3 6E-05		
	Nickel	18 9	1 1E-02	C	--	--				Developmental	7 1E-05	0 006	8 3E-06	0 0008	2 0E-06		9 5E-07		
	Thallium	0 40	1 0E-05	X	--	--				Skin, Hair & Nails	1 5E-06	0 1	1 7E-07	0 02	4 2E-08		2 0E-08		
	Vanadium	31 9	5 0E-03	S	--	--				Skin, Hair & Nails	1 2E-04	0 02	1 4E-05	0 003	3 4E-06		1 6E-06		
										Soil/Dust Ingestion Total		**0.7**		**0.09**		**1E-06**		**5E-07**	**2E-06**
Dermal Contact with Soil	Aluminum	15360	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	4 9	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	31 2	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	4 2E-06	0 01	4 9E-07	0 002	1 2E-07	2E-07	5 7E-08	8E-08	3E-07
	Cadmium	11 2	1 0E-03	I	--	--	0 001	0 025		Urinary	5 0E-08	0 002	5 9E-09	0 0002	1 4E-09		6 8E-10		
	Chromium	34 6	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	9 6	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	23040	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	857	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	22 7	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 47	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	38 2	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.02**		**0.002**		**2E-07**		**8E-08**	**3E-07**
										Soil/Dust Total		**0.8**		**0.09**		**1E-06**		**6E-07**	**2E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 1	0 01
Developmental HI	0 006	0 0008
Endocrine HI	0 1	0 01
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 04	0 004
Nervous HI	0 2	0 02
Skin, Hair and Nails HI	0 3	0 03
Urinary HI	0 04	0 004

Table 74. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 410 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	24048	1 0E+00	P	--	--				Nervous	9 0E-02	0 09	1 1E-02	0 01	2 6E-03		1 2E-03		
	Antimony	6 3	4 0E-04	I	--	--				Hematologic	2 4E-05	0 06	2 8E-06	0 007	6 8E-07		3 2E-07		
	RBA adjusted Arsenic	9 7	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	3 6E-05	0 1	4 2E-06	0 01	1 0E-06	2E-06	4 8E-07	7E-07	2E-06
	Cadmium	8 9	1 0E-03	I	--	--				Urinary	3 3E-05	0 03	3 9E-06	0 004	9 5E-07		4 5E-07		
	Chromium	14 5	3 0E-03	I	--	--			(a)	--	5 4E-05	0 02	6 4E-06	0 002	1 6E-06		7 3E-07		
	Cobalt	6 5	3 0E-04	P	--	--				Endocrine	2 4E-05	0 08	2 8E-06	0 009	6 9E-07		3 2E-07		
	Iron	16333	7 0E-01	P	--	--				Gastrointestinal	6 1E-02	0 09	7 2E-03	0 01	1 7E-03		8 2E-04		
	Manganese	594	2 4E-02	S	--	--				Nervous	2 2E-03	0 09	2 6E-04	0 01	6 4E-05		3 0E-05		
	Nickel	13 5	1 1E-02	C	--	--				Developmental	5 1E-05	0 005	5 9E-06	0 0005	1 4E-06		6 8E-07		
	Thallium	0 43	1 0E-05	X	--	--				Skin, Hair & Nails	1 6E-06	0 2	1 9E-07	0 02	4 6E-08		2 2E-08		
	Vanadium	29 8	5 0E-03	S	--	--				Skin, Hair & Nails	1 1E-04	0 02	1 3E-05	0 003	3 2E-06		1 5E-06		
										Soil/Dust Ingestion Total		**0.8**		**0.09**		**2E-06**		**7E-07**	**2E-06**
Dermal Contact with Soil	Aluminum	28800	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	7 6	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	42 0	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	5 6E-06	0 02	6 7E-07	0 002	1 6E-07	2E-07	7 6E-08	1E-07	4E-07
	Cadmium	10 7	1 0E-03	I	--	--	0 001	0 025		Urinary	4 7E-08	0 002	5 6E-09	0 0002	1 4E-09		6 4E-10		
	Chromium	17 4	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	7 7	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	19560	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	712	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	16 2	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 52	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	35 6	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.02**		**0.002**		**2E-07**		**1E-07**	**4E-07**
										Soil/Dust Total		**0.8**		**0.09**		**2E-06**		**8E-07**	**3E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 1	0 02
Developmental HI	0 005	0 0005
Endocrine HI	0 08	0 009
Gastrointestinal HI	0 09	0 01
Hematologic HI	0 06	0 007
Nervous HI	0 2	0 02
Skin, Hair and Nails HI	0 3	0 04
Urinary HI	0 04	0 004

Table 75. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 412 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	11690	1 0E+00	P	--	--				Nervous	4 4E-02	0 04	5 1E-03	0 005	1 2E-03		5 9E-04		
	Antimony	0 6	4 0E-04	I	--	--				Hematologic	2 3E-06	0 006	2 7E-07	0 0007	6 7E-08		3 1E-08		
	RBA adjusted Arsenic	1 5	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	5 7E-06	0 02	6 7E-07	0 002	1 6E-07	2E-07	7 6E-08	1E-07	4E-07
	Cadmium	0 6	1 0E-03	I	--	--				Urinary	2 2E-06	0 002	2 6E-07	0 0003	6 3E-08		3 0E-08		
	Chromium	10 0	3 0E-03	I	--	--			(a)	--	3 7E-05	0 01	4 4E-06	0 001	1 1E-06		5 0E-07		
	Cobalt	9 2	3 0E-04	P	--	--				Endocrine	3 4E-05	0 1	4 0E-06	0 01	9 8E-07		4 6E-07		
	Iron	14195	7 0E-01	P	--	--				Gastrointestinal	5 3E-02	0 08	6 2E-03	0 009	1 5E-03		7 1E-04		
	Manganese	643	2 4E-02	S	--	--				Nervous	2 4E-03	0 1	2 8E-04	0 01	6 9E-05		3 2E-05		
	Nickel	20 9	1 1E-02	C	--	--				Developmental	7 8E-05	0 007	9 2E-06	0 0008	2 2E-06		1 0E-06		
	Thallium	0 09	1 0E-05	X	--	--				Skin, Hair & Nails	3 3E-07	0 03	3 8E-08	0 004	9 4E-09		4 4E-09		
	Vanadium	15 9	5 0E-03	S	--	--				Skin, Hair & Nails	5 9E-05	0 01	7 0E-06	0 001	1 7E-06		7 9E-07		
										Soil/Dust Ingestion Total		**0.4**		**0.05**		**2E-07**		**1E-07**	**4E-07**
Dermal Contact with Soil	Aluminum	14000	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	0 8	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	6 6	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	8 8E-07	0 003	1 0E-07	0 0003	2 5E-08	4E-08	1 2E-08	2E-08	6E-08
	Cadmium	0 7	1 0E-03	I	--	--	0 001	0 025		Urinary	3 2E-09	0 0001	3 8E-10	0 00002	9 0E-11		4 3E-11		
	Chromium	12 0	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	11 0	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	17000	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	770	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	25 0	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 11	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	19 0	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.003**		**0.0004**		**4E-08**		**2E-08**	**6E-08**
										Soil/Dust Total		**0.4**		**0.05**		**3E-07**		**1E-07**	**4E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 02	0 003
Developmental HI	0 007	0 0008
Endocrine HI	0 1	0 01
Gastrointestinal HI	0 08	0 009
Hematologic HI	0 006	0 0007
Nervous HI	0 1	0 02
Skin, Hair and Nails HI	0 07	0 008
Urinary HI	0 002	0 0003

Table 76. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 413 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	23046	1 0E+00	P	--	--				Nervous	8 6E-02	0 09	1 0E-02	0 01	2 5E-03		1 2E-03		
	Antimony	8 4	4 0E-04	I	--	--				Hematologic	3 1E-05	0 08	3 7E-06	0 009	9 0E-07		4 2E-07		
	RBA adjusted Arsenic	11 9	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	4 5E-05	0 1	5 2E-06	0 02	1 3E-06	2E-06	6 0E-07	9E-07	3E-06
	Cadmium	12 4	1 0E-03	I	--	--				Urinary	4 6E-05	0 05	5 4E-06	0 005	1 3E-06		6 2E-07		
	Chromium	15 4	3 0E-03	I	--	--			(a)	--	5 8E-05	0 02	6 8E-06	0 002	1 6E-06		7 7E-07		
	Cobalt	6 3	3 0E-04	P	--	--				Endocrine	2 3E-05	0 08	2 7E-06	0 009	6 7E-07		3 1E-07		
	Iron	16433	7 0E-01	P	--	--				Gastrointestinal	6 1E-02	0 09	7 2E-03	0 01	1 8E-03		8 2E-04		
	Manganese	729	2 4E-02	S	--	--				Nervous	2 7E-03	0 1	3 2E-04	0 01	7 8E-05		3 7E-05		
	Nickel	13 0	1 1E-02	C	--	--				Developmental	4 9E-05	0 004	5 7E-06	0 0005	1 4E-06		6 5E-07		
	Thallium	0 48	1 0E-05	X	--	--				Skin, Hair & Nails	1 8E-06	0 2	2 1E-07	0 02	5 1E-08		2 4E-08		
	Vanadium	30 7	5 0E-03	S	--	--				Skin, Hair & Nails	1 1E-04	0 02	1 3E-05	0 003	3 3E-06		1 5E-06		
										Soil/Dust Ingestion Total		**0.9**		**0.1**		**2E-06**		**9E-07**	**3E-06**
Dermal Contact with Soil	Aluminum	27600	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	10 1	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	51 8	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	6 9E-06	0 02	8 2E-07	0 003	2 0E-07	3E-07	9 4E-08	1E-07	4E-07
	Cadmium	14 9	1 0E-03	I	--	--	0 001	0 025		Urinary	6 6E-08	0 003	7 9E-09	0 0003	1 9E-09		9 0E-10		
	Chromium	18 5	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	7 5	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	19680	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	874	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	15 6	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 57	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	36 7	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.03**		**0.003**		**3E-07**		**1E-07**	**4E-07**
										Soil/Dust Total		**0.9**		**0.1**		**2E-06**		**1E-06**	**3E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 2	0 02
Developmental HI	0 004	0 0005
Endocrine HI	0 08	0 009
Gastrointestinal HI	0 09	0 01
Hematologic HI	0 08	0 009
Nervous HI	0 2	0 02
Skin, Hair and Nails HI	0 4	0 04
Urinary HI	0 05	0 006

Table 77. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 420 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	26152	1 0E+00	P	--	--				Nervous	9 8E-02	0 1	1 1E-02	0 01	2 8E-03		1 3E-03		
	Antimony	7 0	4 0E-04	I	--	--				Hematologic	2 6E-05	0 07	3 1E-06	0 008	7 5E-07		3 5E-07		
	RBA adjusted Arsenic	7 2	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	2 7E-05	0 09	3 1E-06	0 01	7 7E-07	1E-06	3 6E-07	5E-07	2E-06
	Cadmium	10 5	1 0E-03	I	--	--				Urinary	3 9E-05	0 04	4 6E-06	0 005	1 1E-06		5 3E-07		
	Chromium	13 9	3 0E-03	I	--	--			(a)	--	5 2E-05	0 02	6 1E-06	0 002	1 5E-06		7 0E-07		
	Cobalt	6 7	3 0E-04	P	--	--				Endocrine	2 5E-05	0 08	3 0E-06	0 01	7 2E-07		3 4E-07		
	Iron	16232	7 0E-01	P	--	--				Gastrointestinal	6 1E-02	0 09	7 1E-03	0 01	1 7E-03		8 1E-04		
	Manganese	714	2 4E-02	S	--	--				Nervous	2 7E-03	0 1	3 1E-04	0 01	7 6E-05		3 6E-05		
	Nickel	13 4	1 1E-02	C	--	--				Developmental	5 0E-05	0 005	5 9E-06	0 0005	1 4E-06		6 7E-07		
	Thallium	0 45	1 0E-05	X	--	--				Skin, Hair & Nails	1 7E-06	0 2	2 0E-07	0 02	4 9E-08		2 3E-08		
	Vanadium	29 1	5 0E-03	S	--	--				Skin, Hair & Nails	1 1E-04	0 02	1 3E-05	0 003	3 1E-06		1 5E-06		
										Soil/Dust Ingestion Total		**0.8**		**0.09**		**1E-06**		**5E-07**	**2E-06**
Dermal Contact with Soil	Aluminum	31320	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	8 4	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	47 9	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	6 4E-06	0 02	7 6E-07	0 003	1 8E-07	3E-07	8 7E-08	1E-07	4E-07
	Cadmium	12 6	1 0E-03	I	--	--	0 001	0 025		Urinary	5 6E-08	0 002	6 7E-09	0 0003	1 6E-09		7 6E-10		
	Chromium	16 7	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 1	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	19440	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	856	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	16 1	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 54	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	34 8	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.02**		**0.003**		**3E-07**		**1E-07**	**4E-07**
										Soil/Dust Total		**0.8**		**0.1**		**1E-06**		**7E-07**	**2E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 1	0 01
Developmental HI	0 005	0 0005
Endocrine HI	0 08	0 01
Gastrointestinal HI	0 09	0 01
Hematologic HI	0 07	0 008
Nervous HI	0 2	0 02
Skin, Hair and Nails HI	0 3	0 04
Urinary HI	0 04	0 005

Table 78. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 421 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	14098	1 0E+00	P	--	--				Nervous	5 3E-02	0 05	6 2E-03	0 006	1 5E-03		7 1E-04		
	Antimony	3 0	4 0E-04	I	--	--				Hematologic	1 1E-05	0 03	1 3E-06	0 003	3 2E-07		1 5E-07		
	RBA adjusted Arsenic	3 5	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 3E-05	0 04	1 5E-06	0 005	3 8E-07	6E-07	1 8E-07	3E-07	8E-07
	Cadmium	5 2	1 0E-03	I	--	--				Urinary	1 9E-05	0 02	2 3E-06	0 002	5 5E-07		2 6E-07		
	Chromium	28 6	3 0E-03	I	--	--			(a)	--	1 1E-04	0 04	1 3E-05	0 004	3 1E-06		1 4E-06		
	Cobalt	7 0	3 0E-04	P	--	--				Endocrine	2 6E-05	0 09	3 1E-06	0 01	7 5E-07		3 5E-07		
	Iron	20849	7 0E-01	P	--	--				Gastrointestinal	7 8E-02	0 1	9 1E-03	0 01	2 2E-03		1 0E-03		
	Manganese	253	2 4E-02	S	--	--				Nervous	9 5E-04	0 04	1 1E-04	0 005	2 7E-05		1 3E-05		
	Nickel	16 3	1 1E-02	C	--	--				Developmental	6 1E-05	0 006	7 1E-06	0 0006	1 7E-06		8 2E-07		
	Thallium	0 31	1 0E-05	X	--	--				Skin, Hair & Nails	1 2E-06	0 1	1 4E-07	0 01	3 3E-08		1 6E-08		
	Vanadium	50 5	5 0E-03	S	--	--				Skin, Hair & Nails	1 9E-04	0 04	2 2E-05	0 004	5 4E-06		2 5E-06		
										Soil/Dust Ingestion Total		**0.6**		**0.07**		**6E-07**		**3E-07**	**8E-07**
Dermal Contact with Soil	Aluminum	16884	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	3 6	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	15 3	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	2 0E-06	0 007	2 4E-07	0 0008	5 8E-08	9E-08	2 8E-08	4E-08	1E-07
	Cadmium	6 2	1 0E-03	I	--	--	0 001	0 025		Urinary	2 8E-08	0 001	3 3E-09	0 0001	7 9E-10		3 8E-10		
	Chromium	34 2	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 4	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	24969	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	303	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	19 5	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 37	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	60 5	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.008**		**0.0009**		**9E-08**		**4E-08**	**1E-07**
										Soil/Dust Total		**0.6**		**0.07**		**7E-07**		**3E-07**	**1E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 05	0 006
Developmental HI	0 006	0 0006
Endocrine HI	0 09	0 01
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 03	0 003
Nervous HI	0 09	0 01
Skin, Hair and Nails HI	0 2	0 02
Urinary HI	0 02	0 002

Table 79. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 430 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	8768	1 0E+00	P	--	--				Nervous	3 3E-02	0 03	3 8E-03	0 004	9 4E-04		4 4E-04		
	Antimony	2 6	4 0E-04	I	--	--				Hematologic	9 9E-06	0 02	1 2E-06	0 003	2 8E-07		1 3E-07		
	RBA adjusted Arsenic	4 1	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 5E-05	0 05	1 8E-06	0 006	4 4E-07	7E-07	2 0E-07	3E-07	1E-06
	Cadmium	5 9	1 0E-03	I	--	--				Urinary	2 2E-05	0 02	2 6E-06	0 003	6 3E-07		2 9E-07		
	Chromium	17 5	3 0E-03	I	--	--			(a)	--	6 6E-05	0 02	7 7E-06	0 003	1 9E-06		8 8E-07		
	Cobalt	5 3	3 0E-04	P	--	--				Endocrine	2 0E-05	0 07	2 3E-06	0 008	5 6E-07		2 6E-07		
	Iron	14729	7 0E-01	P	--	--				Gastrointestinal	5 5E-02	0 08	6 5E-03	0 009	1 6E-03		7 4E-04		
	Manganese	486	2 4E-02	S	--	--				Nervous	1 8E-03	0 08	2 1E-04	0 009	5 2E-05		2 4E-05		
	Nickel	12 8	1 1E-02	C	--	--				Developmental	4 8E-05	0 004	5 6E-06	0 0005	1 4E-06		6 4E-07		
	Thallium	0 29	1 0E-05	X	--	--				Skin, Hair & Nails	1 1E-06	0 1	1 3E-07	0 01	3 1E-08		1 4E-08		
	Vanadium	27 3	5 0E-03	S	--	--				Skin, Hair & Nails	1 0E-04	0 02	1 2E-05	0 002	2 9E-06		1 4E-06		
										Soil/Dust Ingestion Total		**0.5**		**0.06**		**7E-07**		**3E-07**	**1E-06**
Dermal Contact with Soil	Aluminum	10500	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	3 2	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	17 8	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	2 4E-06	0 008	2 8E-07	0 0009	6 8E-08	1E-07	3 2E-08	5E-08	1E-07
	Cadmium	7 0	1 0E-03	I	--	--	0 001	0 025		Urinary	3 1E-08	0 001	3 7E-09	0 0001	8 9E-10		4 3E-10		
	Chromium	21 0	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	6 3	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	17640	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	582	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	15 4	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 34	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	32 6	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.009**		**0.001**		**1E-07**		**5E-08**	**1E-07**
										Soil/Dust Total		**0.5**		**0.06**		**8E-07**		**4E-07**	**1E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 06	0 007
Developmental HI	0 004	0 0005
Endocrine HI	0 07	0 008
Gastrointestinal HI	0 08	0 009
Hematologic HI	0 02	0 003
Nervous HI	0 1	0 01
Skin, Hair and Nails HI	0 2	0 02
Urinary HI	0 02	0 003

Table 80. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 431 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	6808	1 0E+00	P	--	--				Nervous	2 5E-02	0 03	3 0E-03	0 003	7 3E-04		3 4E-04		
	Antimony	1 0	4 0E-04	I	--	--				Hematologic	3 7E-06	0 009	4 3E-07	0 001	1 1E-07		5 0E-08		
	RBA adjusted Arsenic	2 1	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	7 8E-06	0 03	9 2E-07	0 003	2 2E-07	3E-07	1 0E-07	2E-07	5E-07
	Cadmium	2 3	1 0E-03	I	--	--				Urinary	8 5E-06	0 008	1 0E-06	0 001	2 4E-07		1 1E-07		
	Chromium	16 8	3 0E-03	I	--	--			(a)	--	6 3E-05	0 02	7 4E-06	0 002	1 8E-06		8 4E-07		
	Cobalt	5 1	3 0E-04	P	--	--				Endocrine	1 9E-05	0 06	2 2E-06	0 007	5 4E-07		2 5E-07		
	Iron	13516	7 0E-01	P	--	--				Gastrointestinal	5 1E-02	0 07	5 9E-03	0 008	1 4E-03		6 8E-04		
	Manganese	259	2 4E-02	S	--	--				Nervous	9 7E-04	0 04	1 1E-04	0 005	2 8E-05		1 3E-05		
	Nickel	12 2	1 1E-02	C	--	--				Developmental	4 6E-05	0 004	5 3E-06	0 0005	1 3E-06		6 1E-07		
	Thallium	0 18	1 0E-05	X	--	--				Skin, Hair & Nails	6 6E-07	0 07	7 7E-08	0 008	1 9E-08		8 8E-09		
	Vanadium	25 2	5 0E-03	S	--	--				Skin, Hair & Nails	9 4E-05	0 02	1 1E-05	0 002	2 7E-06		1 3E-06		
										Soil/Dust Ingestion Total		**0.4**		**0.04**		**3E-07**		**2E-07**	**5E-07**
Dermal Contact with Soil	Aluminum	8154	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	1 2	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	9 1	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 2E-06	0 004	1 4E-07	0 0005	3 5E-08	5E-08	1 6E-08	2E-08	8E-08
	Cadmium	2 7	1 0E-03	I	--	--	0 001	0 025		Urinary	1 2E-08	0 0005	1 4E-09	0 00006	3 5E-10		1 6E-10		
	Chromium	20 1	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	6 1	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	16186	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	310	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	14 6	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 21	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	30 1	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.005**		**0.0005**		**5E-08**		**2E-08**	**8E-08**
										Soil/Dust Total		**0.4**		**0.04**		**4E-07**		**2E-07**	**6E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 03	0 004
Developmental HI	0 004	0 0005
Endocrine HI	0 06	0 007
Gastrointestinal HI	0 07	0 008
Hematologic HI	0 009	0 001
Nervous HI	0 07	0 008
Skin, Hair and Nails HI	0 1	0 01
Urinary HI	0 009	0 001

Table 81. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 432 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	7705	1 0E+00	P	--	--				Nervous	2 9E-02	0 03	3 4E-03	0 003	8 2E-04		3 9E-04		
	Antimony	2 2	4 0E-04	I	--	--				Hematologic	8 1E-06	0 02	9 4E-07	0 002	2 3E-07		1 1E-07		
	RBA adjusted Arsenic	5 1	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 9E-05	0 06	2 2E-06	0 007	5 4E-07	8E-07	2 6E-07	4E-07	1E-06
	Cadmium	4 9	1 0E-03	I	--	--				Urinary	1 8E-05	0 02	2 2E-06	0 002	5 3E-07		2 5E-07		
	Chromium	18 5	3 0E-03	I	--	--			(a)	--	6 9E-05	0 02	8 1E-06	0 003	2 0E-06		9 3E-07		
	Cobalt	6 1	3 0E-04	P	--	--				Endocrine	2 3E-05	0 08	2 7E-06	0 009	6 6E-07		3 1E-07		
	Iron	15331	7 0E-01	P	--	--				Gastrointestinal	5 7E-02	0 08	6 7E-03	0 01	1 6E-03		7 7E-04		
	Manganese	300	2 4E-02	S	--	--				Nervous	1 1E-03	0 05	1 3E-04	0 005	3 2E-05		1 5E-05		
	Nickel	14 8	1 1E-02	C	--	--				Developmental	5 5E-05	0 005	6 5E-06	0 0006	1 6E-06		7 4E-07		
	Thallium	0 33	1 0E-05	X	--	--				Skin, Hair & Nails	1 2E-06	0 1	1 4E-07	0 01	3 5E-08		1 7E-08		
	Vanadium	28 4	5 0E-03	S	--	--				Skin, Hair & Nails	1 1E-04	0 02	1 2E-05	0 002	3 0E-06		1 4E-06		
										Soil/Dust Ingestion Total		**0.5**		**0.06**		**8E-07**		**4E-07**	**1E-06**
Dermal Contact with Soil	Aluminum	9228	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	2 6	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	17 8	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	2 4E-06	0 008	2 8E-07	0 0009	6 8E-08	1E-07	3 2E-08	5E-08	1E-07
	Cadmium	5 9	1 0E-03	I	--	--	0 001	0 025		Urinary	2 6E-08	0 001	3 1E-09	0 0001	7 5E-10		3 6E-10		
	Chromium	22 2	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	7 3	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	18360	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	359	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	17 8	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 39	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	34 0	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.009**		**0.001**		**1E-07**		**5E-08**	**1E-07**
										Soil/Dust Total		**0.5**		**0.06**		**9E-07**		**4E-07**	**1E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 07	0 008
Developmental HI	0 005	0 0006
Endocrine HI	0 08	0 009
Gastrointestinal HI	0 08	0 01
Hematologic HI	0 02	0 002
Nervous HI	0 08	0 009
Skin, Hair and Nails HI	0 2	0 03
Urinary HI	0 02	0 002

Table 82. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 440 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	11599	1 0E+00	P	--	--				Nervous	4 3E-02	0 04	5 1E-03	0 005	1 2E-03		5 8E-04		
	Antimony	1 6	4 0E-04	I	--	--				Hematologic	5 9E-06	0 01	6 9E-07	0 002	1 7E-07		7 9E-08		
	RBA adjusted Arsenic	2 2	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	8 2E-06	0 03	9 6E-07	0 003	2 3E-07	4E-07	1 1E-07	2E-07	5E-07
	Cadmium	2 7	1 0E-03	I	--	--				Urinary	1 0E-05	0 01	1 2E-06	0 001	2 9E-07		1 4E-07		
	Chromium	27 2	3 0E-03	I	--	--			(a)	--	1 0E-04	0 03	1 2E-05	0 004	2 9E-06		1 4E-06		
	Cobalt	5 3	3 0E-04	P	--	--				Endocrine	2 0E-05	0 07	2 3E-06	0 008	5 6E-07		2 6E-07		
	Iron	14753	7 0E-01	P	--	--				Gastrointestinal	5 5E-02	0 08	6 5E-03	0 009	1 6E-03		7 4E-04		
	Manganese	173	2 4E-02	S	--	--				Nervous	6 5E-04	0 03	7 6E-05	0 003	1 9E-05		8 7E-06		
	Nickel	13 3	1 1E-02	C	--	--				Developmental	5 0E-05	0 005	5 8E-06	0 0005	1 4E-06		6 7E-07		
	Thallium	0 18	1 0E-05	X	--	--				Skin, Hair & Nails	6 6E-07	0 07	7 7E-08	0 008	1 9E-08		8 8E-09		
	Vanadium	30 2	5 0E-03	S	--	--				Skin, Hair & Nails	1 1E-04	0 02	1 3E-05	0 003	3 2E-06		1 5E-06		
										Soil/Dust Ingestion Total		**0.4**		**0.05**		**4E-07**		**2E-07**	**5E-07**
Dermal Contact with Soil	Aluminum	13891	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	1 9	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	9 5	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 3E-06	0 004	1 5E-07	0 0005	3 6E-08	5E-08	1 7E-08	3E-08	8E-08
	Cadmium	3 3	1 0E-03	I	--	--	0 001	0 025		Urinary	1 4E-08	0 0006	1 7E-09	0 00007	4 1E-10		2 0E-10		
	Chromium	32 6	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	6 3	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	17669	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	207	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	15 9	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 21	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	36 2	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.005**		**0.0006**		**5E-08**		**3E-08**	**8E-08**
										Soil/Dust Total		**0.4**		**0.05**		**4E-07**		**2E-07**	**6E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 03	0 004
Developmental HI	0 005	0 0005
Endocrine HI	0 07	0 008
Gastrointestinal HI	0 08	0 009
Hematologic HI	0 01	0 002
Nervous HI	0 07	0 008
Skin, Hair and Nails HI	0 1	0 01
Urinary HI	0 01	0 001

Table 83. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 441 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	23046	1 0E+00	P	--	--				Nervous	8 6E-02	0 09	1 0E-02	0 01	2 5E-03		1 2E-03		
	Antimony	6 7	4 0E-04	I	--	--				Hematologic	2 5E-05	0 06	2 9E-06	0 007	7 1E-07		3 3E-07		
	RBA adjusted Arsenic	14 4	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	5 4E-05	0 2	6 3E-06	0 02	1 5E-06	2E-06	7 2E-07	1E-06	3E-06
	Cadmium	15 0	1 0E-03	I	--	--				Urinary	5 6E-05	0 06	6 6E-06	0 007	1 6E-06		7 5E-07		
	Chromium	20 4	3 0E-03	I	--	--			(a)	--	7 6E-05	0 03	9 0E-06	0 003	2 2E-06		1 0E-06		
	Cobalt	9 8	3 0E-04	P	--	--				Endocrine	3 7E-05	0 1	4 3E-06	0 01	1 0E-06		4 9E-07		
	Iron	17936	7 0E-01	P	--	--				Gastrointestinal	6 7E-02	0 1	7 9E-03	0 01	1 9E-03		9 0E-04		
	Manganese	1122	2 4E-02	S	--	--				Nervous	4 2E-03	0 2	4 9E-04	0 02	1 2E-04		5 6E-05		
	Nickel	19 6	1 1E-02	C	--	--				Developmental	7 3E-05	0 007	8 6E-06	0 0008	2 1E-06		9 8E-07		
	Thallium	0 51	1 0E-05	X	--	--				Skin, Hair & Nails	1 9E-06	0 2	2 2E-07	0 02	5 5E-08		2 6E-08		
	Vanadium	32 9	5 0E-03	S	--	--				Skin, Hair & Nails	1 2E-04	0 02	1 4E-05	0 003	3 5E-06		1 6E-06		
										Soil/Dust Ingestion Total		**1**		**0.1**		**2E-06**		**1E-06**	**3E-06**
Dermal Contact with Soil	Aluminum	27600	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	8 0	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	52 3	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	7 0E-06	0 02	8 3E-07	0 003	2 0E-07	3E-07	9 5E-08	1E-07	4E-07
	Cadmium	18 0	1 0E-03	I	--	--	0 001	0 025		Urinary	8 0E-08	0 003	9 5E-09	0 0004	2 3E-09		1 1E-09		
	Chromium	24 5	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	11 7	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	21480	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	1344	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	23 5	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 61	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	39 4	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.03**		**0.003**		**3E-07**		**1E-07**	**4E-07**
										Soil/Dust Total		**1**		**0.1**		**3E-06**		**1E-06**	**4E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 2	0 02
Developmental HI	0 007	0 0008
Endocrine HI	0 1	0 01
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 06	0 007
Nervous HI	0 3	0 03
Skin, Hair and Nails HI	0 4	0 05
Urinary HI	0 06	0 007

Table 84. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 442 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	16533	1 0E+00	P	--	--				Nervous	6 2E-02	0 06	7 2E-03	0 007	1 8E-03		8 3E-04		
	Antimony	3 2	4 0E-04	I	--	--				Hematologic	1 2E-05	0 03	1 4E-06	0 004	3 4E-07		1 6E-07		
	RBA adjusted Arsenic	6 0	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	2 2E-05	0 07	2 6E-06	0 009	6 4E-07	1E-06	3 0E-07	5E-07	1E-06
	Cadmium	5 4	1 0E-03	I	--	--				Urinary	2 0E-05	0 02	2 4E-06	0 002	5 8E-07		2 7E-07		
	Chromium	30 7	3 0E-03	I	--	--			(a)	--	1 1E-04	0 04	1 3E-05	0 004	3 3E-06		1 5E-06		
	Cobalt	8 4	3 0E-04	P	--	--				Endocrine	3 2E-05	0 1	3 7E-06	0 01	9 0E-07		4 2E-07		
	Iron	21142	7 0E-01	P	--	--				Gastrointestinal	7 9E-02	0 1	9 3E-03	0 01	2 3E-03		1 1E-03		
	Manganese	771	2 4E-02	S	--	--				Nervous	2 9E-03	0 1	3 4E-04	0 01	8 2E-05		3 9E-05		
	Nickel	19 1	1 1E-02	C	--	--				Developmental	7 2E-05	0 007	8 4E-06	0 0008	2 0E-06		9 6E-07		
	Thallium	0 27	1 0E-05	X	--	--				Skin, Hair & Nails	1 0E-06	0 1	1 2E-07	0 01	2 9E-08		1 4E-08		
	Vanadium	44 2	5 0E-03	S	--	--				Skin, Hair & Nails	1 7E-04	0 03	1 9E-05	0 004	4 7E-06		2 2E-06		
										Soil/Dust Ingestion Total		**0.7**		**0.08**		**1E-06**		**5E-07**	**1E-06**
Dermal Contact with Soil	Aluminum	19800	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	3 9	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	26 0	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	3 5E-06	0 01	4 1E-07	0 001	9 9E-08	1E-07	4 7E-08	7E-08	2E-07
	Cadmium	6 5	1 0E-03	I	--	--	0 001	0 025		Urinary	2 9E-08	0 001	3 4E-09	0 0001	8 2E-10		3 9E-10		
	Chromium	36 7	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	10 1	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	25320	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	923	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	22 9	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 33	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	52 9	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.01**		**0.002**		**1E-07**		**7E-08**	**2E-07**
										Soil/Dust Total		**0.7**		**0.08**		**1E-06**		**5E-07**	**2E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 09	0 01
Developmental HI	0 007	0 0008
Endocrine HI	0 1	0 01
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 03	0 004
Nervous HI	0 2	0 02
Skin, Hair and Nails HI	0 2	0 03
Urinary HI	0 02	0 003

Table 85. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 801-O1 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	21387	1 0E+00	P	--	--				Nervous	8 0E-02	0 08	9 4E-03	0 009	2 3E-03		1 1E-03		
	Antimony	0 8	4 0E-04	I	--	--				Hematologic	3 0E-06	0 007	3 5E-07	0 0009	8 5E-08		4 0E-08		
	RBA adjusted Arsenic	2 4	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	8 9E-06	0 03	1 0E-06	0 003	2 5E-07	4E-07	1 2E-07	2E-07	6E-07
	Cadmium	1 4	1 0E-03	I	--	--				Urinary	5 1E-06	0 005	5 9E-07	0 0006	1 4E-07		6 8E-08		
	Chromium	33 1	3 0E-03	I	--	--			(a)	--	1 2E-04	0 04	1 5E-05	0 005	3 5E-06		1 7E-06		
	Cobalt	12 4	3 0E-04	P	--	--				Endocrine	4 6E-05	0 2	5 4E-06	0 02	1 3E-06		6 2E-07		
	Iron	23342	7 0E-01	P	--	--				Gastrointestinal	8 7E-02	0 1	1 0E-02	0 01	2 5E-03		1 2E-03		
	Manganese	708	2 4E-02	S	--	--				Nervous	2 6E-03	0 1	3 1E-04	0 01	7 6E-05		3 5E-05		
	Nickel	31 5	1 1E-02	C	--	--				Developmental	1 2E-04	0 01	1 4E-05	0 001	3 4E-06		1 6E-06		
	Thallium	0 17	1 0E-05	X	--	--				Skin, Hair & Nails	6 5E-07	0 06	7 6E-08	0 008	1 8E-08		8 7E-09		
	Vanadium	35 6	5 0E-03	S	--	--				Skin, Hair & Nails	1 3E-04	0 03	1 6E-05	0 003	3 8E-06		1 8E-06		
										Soil/Dust Ingestion Total		**0.7**		**0.08**		**4E-07**		**2E-07**	**6E-07**
Dermal Contact with Soil	Aluminum	25613	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	1 0	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	17 4	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	2 3E-06	0 008	2 8E-07	0 0009	6 6E-08	1E-07	3 2E-08	5E-08	1E-07
	Cadmium	1 6	1 0E-03	I	--	--	0 001	0 025		Urinary	7 2E-09	0 0003	8 6E-10	0 00003	2 1E-10		9 8E-11		
	Chromium	39 6	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	14 9	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	27955	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	848	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	37 7	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 21	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	42 6	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.008**		**0.001**		**1E-07**		**5E-08**	**1E-07**
										Soil/Dust Total		**0.7**		**0.08**		**5E-07**		**2E-07**	**7E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 04	0 004
Developmental HI	0 01	0 001
Endocrine HI	0 2	0 02
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 007	0 0009
Nervous HI	0 2	0 02
Skin, Hair and Nails HI	0 1	0 02
Urinary HI	0 005	0 0006

Table 86. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 801-O2 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	27555	1 0E+00	P	--	--				Nervous	1 0E-01	0 1	1 2E-02	0 01	2 9E-03		1 4E-03		
	Antimony	1 7	4 0E-04	I	--	--				Hematologic	6 5E-06	0 02	7 6E-07	0 002	1 9E-07		8 7E-08		
	RBA adjusted Arsenic	1 0	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	3 8E-06	0 01	4 5E-07	0 001	1 1E-07	2E-07	5 1E-08	8E-08	2E-07
	Cadmium	2 1	1 0E-03	I	--	--				Urinary	7 7E-06	0 008	9 0E-07	0 0009	2 2E-07		1 0E-07		
	Chromium	61 3	3 0E-03	I	--	--			(a)	--	2 3E-04	0 08	2 7E-05	0 009	6 6E-06		3 1E-06		
	Cobalt	18 7	3 0E-04	P	--	--				Endocrine	7 0E-05	0 2	8 2E-06	0 03	2 0E-06		9 4E-07		
	Iron	34769	7 0E-01	P	--	--				Gastrointestinal	1 3E-01	0 2	1 5E-02	0 02	3 7E-03		1 7E-03		
	Manganese	1543	2 4E-02	S	--	--				Nervous	5 8E-03	0 2	6 8E-04	0 03	1 6E-04		7 7E-05		
	Nickel	42 3	1 1E-02	C	--	--				Developmental	1 6E-04	0 01	1 9E-05	0 002	4 5E-06		2 1E-06		
	Thallium	0 27	1 0E-05	X	--	--				Skin, Hair & Nails	1 0E-06	0 1	1 2E-07	0 01	2 9E-08		1 4E-08		
	Vanadium	59 9	5 0E-03	S	--	--				Skin, Hair & Nails	2 2E-04	0 04	2 6E-05	0 005	6 4E-06		3 0E-06		
										Soil/Dust Ingestion Total		**1**		**0.1**		**2E-07**		**8E-08**	**2E-07**
Dermal Contact with Soil	Aluminum	33000	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	2 1	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	26 8	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	3 6E-06	0 01	4 2E-07	0 001	1 0E-07	2E-07	4 9E-08	7E-08	2E-07
	Cadmium	2 5	1 0E-03	I	--	--	0 001	0 025		Urinary	1 1E-08	0 0004	1 3E-09	0 00005	3 1E-10		1 5E-10		
	Chromium	73 4	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	22 4	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	41640	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	1848	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	50 6	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 33	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	71 8	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.01**		**0.001**		**2E-07**		**7E-08**	**2E-07**
										Soil/Dust Total		**1**		**0.1**		**3E-07**		**1E-07**	**5E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 02	0 003
Developmental HI	0 01	0 002
Endocrine HI	0 2	0 03
Gastrointestinal HI	0 2	0 02
Hematologic HI	0 02	0 002
Nervous HI	0 3	0 04
Skin, Hair and Nails HI	0 2	0 02
Urinary HI	0 008	0 001

Table 87. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 801-O3 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	18036	1 0E+00	P	--	--				Nervous	6 7E-02	0 07	7 9E-03	0 008	1 9E-03		9 0E-04		
	Antimony	0 8	4 0E-04	I	--	--				Hematologic	2 9E-06	0 007	3 4E-07	0 0008	8 3E-08		3 9E-08		
	RBA adjusted Arsenic	2 5	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	9 3E-06	0 03	1 1E-06	0 004	2 6E-07	4E-07	1 2E-07	2E-07	6E-07
	Cadmium	3 6	1 0E-03	I	--	--				Urinary	1 4E-05	0 01	1 6E-06	0 002	3 9E-07		1 8E-07		
	Chromium	30 0	3 0E-03	I	--	--			(a)	--	1 1E-04	0 04	1 3E-05	0 004	3 2E-06		1 5E-06		
	Cobalt	11 9	3 0E-04	P	--	--				Endocrine	4 5E-05	0 1	5 2E-06	0 02	1 3E-06		6 0E-07		
	Iron	23246	7 0E-01	P	--	--				Gastrointestinal	8 7E-02	0 1	1 0E-02	0 01	2 5E-03		1 2E-03		
	Manganese	660	2 4E-02	S	--	--				Nervous	2 5E-03	0 1	2 9E-04	0 01	7 1E-05		3 3E-05		
	Nickel	40 3	1 1E-02	C	--	--				Developmental	1 5E-04	0 01	1 8E-05	0 002	4 3E-06		2 0E-06		
	Thallium	0 19	1 0E-05	X	--	--				Skin, Hair & Nails	6 9E-07	0 07	8 1E-08	0 008	2 0E-08		9 3E-09		
	Vanadium	37 9	5 0E-03	S	--	--				Skin, Hair & Nails	1 4E-04	0 03	1 7E-05	0 003	4 0E-06		1 9E-06		
										Soil/Dust Ingestion Total		**0.6**		**0.08**		**4E-07**		**2E-07**	**6E-07**
Dermal Contact with Soil	Aluminum	21600	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	0 9	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	18 1	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	2 4E-06	0 008	2 9E-07	0 001	6 9E-08	1E-07	3 3E-08	5E-08	2E-07
	Cadmium	4 3	1 0E-03	I	--	--	0 001	0 025		Urinary	1 9E-08	0 0008	2 3E-09	0 00009	5 5E-10		2 6E-10		
	Chromium	35 9	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	14 3	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	27840	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	791	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	48 2	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 22	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	45 4	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.009**		**0.001**		**1E-07**		**5E-08**	**2E-07**
										Soil/Dust Total		**0.7**		**0.08**		**5E-07**		**2E-07**	**7E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 04	0 005
Developmental HI	0 01	0 002
Endocrine HI	0 1	0 02
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 007	0 0008
Nervous HI	0 2	0 02
Skin, Hair and Nails HI	0 1	0 02
Urinary HI	0 01	0 002

Table 88. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 802-O1 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	10675	1 0E+00	P	--	--				Nervous	4 0E-02	0 04	4 7E-03	0 005	1 1E-03		5 3E-04		
	Antimony	1 8	4 0E-04	I	--	--				Hematologic	6 9E-06	0 02	8 1E-07	0 002	2 0E-07		9 2E-08		
	RBA adjusted Arsenic	1 9	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	7 1E-06	0 02	8 3E-07	0 003	2 0E-07	3E-07	9 5E-08	1E-07	4E-07
	Cadmium	4 7	1 0E-03	I	--	--				Urinary	1 8E-05	0 02	2 1E-06	0 002	5 0E-07		2 4E-07		
	Chromium	15 5	3 0E-03	I	--	--			(a)	--	5 8E-05	0 02	6 8E-06	0 002	1 7E-06		7 8E-07		
	Cobalt	5 6	3 0E-04	P	--	--				Endocrine	2 1E-05	0 07	2 4E-06	0 008	6 0E-07		2 8E-07		
	Iron	14558	7 0E-01	P	--	--				Gastrointestinal	5 4E-02	0 08	6 4E-03	0 009	1 6E-03		7 3E-04		
	Manganese	647	2 4E-02	S	--	--				Nervous	2 4E-03	0 1	2 8E-04	0 01	6 9E-05		3 2E-05		
	Nickel	13 3	1 1E-02	C	--	--				Developmental	5 0E-05	0 005	5 8E-06	0 0005	1 4E-06		6 7E-07		
	Thallium	0 24	1 0E-05	X	--	--				Skin, Hair & Nails	8 9E-07	0 09	1 0E-07	0 01	2 6E-08		1 2E-08		
	Vanadium	23 8	5 0E-03	S	--	--				Skin, Hair & Nails	8 9E-05	0 02	1 0E-05	0 002	2 5E-06		1 2E-06		
										Soil/Dust Ingestion Total		**0.5**		**0.06**		**3E-07**		**1E-07**	**4E-07**
Dermal Contact with Soil	Aluminum	12784	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	2 2	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	13 9	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 8E-06	0 006	2 2E-07	0 0007	5 3E-08	8E-08	2 5E-08	4E-08	1E-07
	Cadmium	5 6	1 0E-03	I	--	--	0 001	0 025		Urinary	2 5E-08	0 001	3 0E-09	0 0001	7 2E-10		3 4E-10		
	Chromium	18 6	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	6 7	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	17435	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	775	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	15 9	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 29	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	28 5	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.007**		**0.0009**		**8E-08**		**4E-08**	**1E-07**
										Soil/Dust Total		**0.5**		**0.06**		**4E-07**		**2E-07**	**6E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 03	0 004
Developmental HI	0 005	0 0005
Endocrine HI	0 07	0 008
Gastrointestinal HI	0 08	0 009
Hematologic HI	0 02	0 002
Nervous HI	0 1	0 02
Skin, Hair and Nails HI	0 1	0 02
Urinary HI	0 02	0 002

Table 89. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 803-O1 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	9095	1 0E+00	P	--	--				Nervous	3 4E-02	0 03	4 0E-03	0 004	9 7E-04		4 6E-04		
	Antimony	6 0	4 0E-04	I	--	--				Hematologic	2 2E-05	0 06	2 6E-06	0 007	6 4E-07		3 0E-07		
	RBA adjusted Arsenic	3 8	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 4E-05	0 05	1 7E-06	0 006	4 1E-07	6E-07	1 9E-07	3E-07	9E-07
	Cadmium	10 2	1 0E-03	I	--	--				Urinary	3 8E-05	0 04	4 5E-06	0 004	1 1E-06		5 1E-07		
	Chromium	21 0	3 0E-03	I	--	--			(a)	--	7 9E-05	0 03	9 2E-06	0 003	2 2E-06		1 1E-06		
	Cobalt	6 9	3 0E-04	P	--	--				Endocrine	2 6E-05	0 09	3 0E-06	0 01	7 4E-07		3 5E-07		
	Iron	15880	7 0E-01	P	--	--				Gastrointestinal	5 9E-02	0 08	7 0E-03	0 01	1 7E-03		8 0E-04		
	Manganese	418	2 4E-02	S	--	--				Nervous	1 6E-03	0 07	1 8E-04	0 008	4 5E-05		2 1E-05		
	Nickel	15 8	1 1E-02	C	--	--				Developmental	5 9E-05	0 005	6 9E-06	0 0006	1 7E-06		7 9E-07		
	Thallium	0 58	1 0E-05	X	--	--				Skin, Hair & Nails	2 2E-06	0 2	2 5E-07	0 03	6 2E-08		2 9E-08		
	Vanadium	36 0	5 0E-03	S	--	--				Skin, Hair & Nails	1 3E-04	0 03	1 6E-05	0 003	3 8E-06		1 8E-06		
										Soil/Dust Ingestion Total		**0.7**		**0.08**		**6E-07**		**3E-07**	**9E-07**
Dermal Contact with Soil	Aluminum	10892	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	7 2	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	27 8	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	3 7E-06	0 01	4 4E-07	0 001	1 1E-07	2E-07	5 0E-08	8E-08	2E-07
	Cadmium	12 2	1 0E-03	I	--	--	0 001	0 025		Urinary	5 4E-08	0 002	6 5E-09	0 0003	1 6E-09		7 4E-10		
	Chromium	25 1	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 3	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	19018	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	500	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	18 9	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 70	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	43 1	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.01**		**0.002**		**2E-07**		**8E-08**	**2E-07**
										Soil/Dust Total		**0.7**		**0.08**		**8E-07**		**4E-07**	**1E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 06	0 007
Developmental HI	0 005	0 0006
Endocrine HI	0 09	0 01
Gastrointestinal HI	0 08	0 01
Hematologic HI	0 06	0 007
Nervous HI	0 1	0 01
Skin, Hair and Nails HI	0 3	0 04
Urinary HI	0 04	0 005

Table 90. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 803-O2 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	9850	1 0E+00	P	--	--				Nervous	3 7E-02	0 04	4 3E-03	0 004	1 1E-03		4 9E-04		
	Antimony	4 9	4 0E-04	I	--	--				Hematologic	1 8E-05	0 05	2 1E-06	0 005	5 2E-07		2 4E-07		
	RBA adjusted Arsenic	3 7	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 4E-05	0 05	1 6E-06	0 005	4 0E-07	6E-07	1 9E-07	3E-07	9E-07
	Cadmium	6 0	1 0E-03	I	--	--				Urinary	2 2E-05	0 02	2 6E-06	0 003	6 4E-07		3 0E-07		
	Chromium	20 7	3 0E-03	I	--	--			(a)	--	7 8E-05	0 03	9 1E-06	0 003	2 2E-06		1 0E-06		
	Cobalt	6 4	3 0E-04	P	--	--				Endocrine	2 4E-05	0 08	2 8E-06	0 009	6 8E-07		3 2E-07		
	Iron	18437	7 0E-01	P	--	--				Gastrointestinal	6 9E-02	0 1	8 1E-03	0 01	2 0E-03		9 2E-04		
	Manganese	327	2 4E-02	S	--	--				Nervous	1 2E-03	0 05	1 4E-04	0 006	3 5E-05		1 6E-05		
	Nickel	15 5	1 1E-02	C	--	--				Developmental	5 8E-05	0 005	6 8E-06	0 0006	1 7E-06		7 8E-07		
	Thallium	0 67	1 0E-05	X	--	--				Skin, Hair & Nails	2 5E-06	0 2	2 9E-07	0 03	7 1E-08		3 3E-08		
	Vanadium	36 7	5 0E-03	S	--	--				Skin, Hair & Nails	1 4E-04	0 03	1 6E-05	0 003	3 9E-06		1 8E-06		
										Soil/Dust Ingestion Total		**0.7**		**0.08**		**6E-07**		**3E-07**	**9E-07**
Dermal Contact with Soil	Aluminum	11796	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	5 8	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	27 2	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	3 6E-06	0 01	4 3E-07	0 001	1 0E-07	2E-07	4 9E-08	7E-08	2E-07
	Cadmium	7 1	1 0E-03	I	--	--	0 001	0 025		Urinary	3 2E-08	0 001	3 8E-09	0 0002	9 1E-10		4 3E-10		
	Chromium	24 8	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	7 6	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	22080	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	391	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	18 6	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 80	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	43 9	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.01**		**0.002**		**2E-07**		**7E-08**	**2E-07**
										Soil/Dust Total		**0.7**		**0.08**		**8E-07**		**4E-07**	**1E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 06	0 007
Developmental HI	0 005	0 0006
Endocrine HI	0 08	0 009
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 05	0 005
Nervous HI	0 09	0 01
Skin, Hair and Nails HI	0 3	0 04
Urinary HI	0 02	0 003

Table 91. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 803-O3 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	16533	1 0E+00	P	--	--				Nervous	6 2E-02	0 06	7 2E-03	0 007	1 8E-03		8 3E-04		
	Antimony	2 9	4 0E-04	I	--	--				Hematologic	1 1E-05	0 03	1 3E-06	0 003	3 1E-07		1 4E-07		
	RBA adjusted Arsenic	2 8	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 1E-05	0 04	1 2E-06	0 004	3 0E-07	5E-07	1 4E-07	2E-07	7E-07
	Cadmium	6 6	1 0E-03	I	--	--				Urinary	2 5E-05	0 02	2 9E-06	0 003	7 0E-07		3 3E-07		
	Chromium	27 6	3 0E-03	I	--	--			(a)	--	1 0E-04	0 03	1 2E-05	0 004	2 9E-06		1 4E-06		
	Cobalt	9 9	3 0E-04	P	--	--				Endocrine	3 7E-05	0 1	4 3E-06	0 01	1 1E-06		5 0E-07		
	Iron	21643	7 0E-01	P	--	--				Gastrointestinal	8 1E-02	0 1	9 5E-03	0 01	2 3E-03		1 1E-03		
	Manganese	547	2 4E-02	S	--	--				Nervous	2 0E-03	0 09	2 4E-04	0 01	5 8E-05		2 7E-05		
	Nickel	22 2	1 1E-02	C	--	--				Developmental	8 3E-05	0 008	9 8E-06	0 0009	2 4E-06		1 1E-06		
	Thallium	0 40	1 0E-05	X	--	--				Skin, Hair & Nails	1 5E-06	0 2	1 8E-07	0 02	4 3E-08		2 0E-08		
	Vanadium	46 1	5 0E-03	S	--	--				Skin, Hair & Nails	1 7E-04	0 03	2 0E-05	0 004	4 9E-06		2 3E-06		
										Soil/Dust Ingestion Total		**0.7**		**0.08**		**5E-07**		**2E-07**	**7E-07**
Dermal Contact with Soil	Aluminum	19800	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	3 4	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	20 6	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	2 7E-06	0 009	3 3E-07	0 001	7 9E-08	1E-07	3 7E-08	6E-08	2E-07
	Cadmium	7 9	1 0E-03	I	--	--	0 001	0 025		Urinary	3 5E-08	0 001	4 2E-09	0 0002	1 0E-09		4 8E-10		
	Chromium	33 0	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	11 9	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	25920	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	655	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	26 6	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 48	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	55 2	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.01**		**0.001**		**1E-07**		**6E-08**	**2E-07**
										Soil/Dust Total		**0.7**		**0.08**		**6E-07**		**3E-07**	**8E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 04	0 005
Developmental HI	0 008	0 0009
Endocrine HI	0 1	0 01
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 03	0 003
Nervous HI	0 1	0 02
Skin, Hair and Nails HI	0 2	0 03
Urinary HI	0 03	0 003

Table 92. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 804-O1 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	12306	1 0E+00	P	--	--				Nervous	4 6E-02	0 05	5 4E-03	0 005	1 3E-03		6 2E-04		
	Antimony	1 3	4 0E-04	I	--	--				Hematologic	4 9E-06	0 01	5 8E-07	0 001	1 4E-07		6 6E-08		
	RBA adjusted Arsenic	1 1	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	4 2E-06	0 01	4 9E-07	0 002	1 2E-07	2E-07	5 6E-08	8E-08	3E-07
	Cadmium	2 9	1 0E-03	I	--	--				Urinary	1 1E-05	0 01	1 3E-06	0 001	3 1E-07		1 5E-07		
	Chromium	25 7	3 0E-03	I	--	--			(a)	--	9 6E-05	0 03	1 1E-05	0 004	2 8E-06		1 3E-06		
	Cobalt	7 0	3 0E-04	P	--	--				Endocrine	2 6E-05	0 09	3 1E-06	0 01	7 5E-07		3 5E-07		
	Iron	17946	7 0E-01	P	--	--				Gastrointestinal	6 7E-02	0 1	7 9E-03	0 01	1 9E-03		9 0E-04		
	Manganese	449	2 4E-02	S	--	--				Nervous	1 7E-03	0 07	2 0E-04	0 008	4 8E-05		2 2E-05		
	Nickel	17 3	1 1E-02	C	--	--				Developmental	6 5E-05	0 006	7 6E-06	0 0007	1 9E-06		8 7E-07		
	Thallium	0 22	1 0E-05	X	--	--				Skin, Hair & Nails	8 3E-07	0 08	9 8E-08	0 01	2 4E-08		1 1E-08		
	Vanadium	29 7	5 0E-03	S	--	--				Skin, Hair & Nails	1 1E-04	0 02	1 3E-05	0 003	3 2E-06		1 5E-06		
										Soil/Dust Ingestion Total		**0.5**		**0.06**		**2E-07**		**8E-08**	**3E-07**
Dermal Contact with Soil	Aluminum	14737	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	1 6	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	8 2	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 1E-06	0 004	1 3E-07	0 0004	3 1E-08	5E-08	1 5E-08	2E-08	7E-08
	Cadmium	3 5	1 0E-03	I	--	--	0 001	0 025		Urinary	1 5E-08	0 0006	1 8E-09	0 00007	4 4E-10		2 1E-10		
	Chromium	30 8	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 4	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	21492	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	538	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	20 8	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 27	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	35 6	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.004**		**0.0005**		**5E-08**		**2E-08**	**7E-08**
										Soil/Dust Total		**0.5**		**0.06**		**2E-07**		**1E-07**	**3E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 02	0 002
Developmental HI	0 006	0 0007
Endocrine HI	0 09	0 01
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 01	0 001
Nervous HI	0 1	0 01
Skin, Hair and Nails HI	0 1	0 01
Urinary HI	0 01	0 001

Table 93. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 804-O2 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	13828	1 0E+00	P	--	--				Nervous	5 2E-02	0 05	6 1E-03	0 006	1 5E-03		6 9E-04		
	Antimony	4 1	4 0E-04	I	--	--				Hematologic	1 6E-05	0 04	1 8E-06	0 005	4 4E-07		2 1E-07		
	RBA adjusted Arsenic	2 4	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	9 1E-06	0 03	1 1E-06	0 004	2 6E-07	4E-07	1 2E-07	2E-07	6E-07
	Cadmium	8 8	1 0E-03	I	--	--				Urinary	3 3E-05	0 03	3 9E-06	0 004	9 4E-07		4 4E-07		
	Chromium	20 2	3 0E-03	I	--	--			(a)	--	7 6E-05	0 03	8 9E-06	0 003	2 2E-06		1 0E-06		
	Cobalt	6 4	3 0E-04	P	--	--				Endocrine	2 4E-05	0 08	2 8E-06	0 009	6 8E-07		3 2E-07		
	Iron	18036	7 0E-01	P	--	--				Gastrointestinal	6 7E-02	0 1	7 9E-03	0 01	1 9E-03		9 0E-04		
	Manganese	422	2 4E-02	S	--	--				Nervous	1 6E-03	0 07	1 8E-04	0 008	4 5E-05		2 1E-05		
	Nickel	19 0	1 1E-02	C	--	--				Developmental	7 1E-05	0 006	8 3E-06	0 0008	2 0E-06		9 5E-07		
	Thallium	0 36	1 0E-05	X	--	--				Skin, Hair & Nails	1 3E-06	0 1	1 6E-07	0 02	3 8E-08		1 8E-08		
	Vanadium	34 8	5 0E-03	S	--	--				Skin, Hair & Nails	1 3E-04	0 03	1 5E-05	0 003	3 7E-06		1 7E-06		
										Soil/Dust Ingestion Total		**0.6**		**0.07**		**4E-07**		**2E-07**	**6E-07**
Dermal Contact with Soil	Aluminum	16560	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	5 0	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	17 9	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	2 4E-06	0 008	2 8E-07	0 0009	6 8E-08	1E-07	3 2E-08	5E-08	2E-07
	Cadmium	10 6	1 0E-03	I	--	--	0 001	0 025		Urinary	4 7E-08	0 002	5 6E-09	0 0002	1 3E-09		6 4E-10		
	Chromium	24 2	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	7 6	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	21600	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	505	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	22 8	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 43	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	41 6	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.01**		**0.001**		**1E-07**		**5E-08**	**2E-07**
										Soil/Dust Total		**0.6**		**0.07**		**5E-07**		**2E-07**	**7E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 04	0 005
Developmental HI	0 006	0 0008
Endocrine HI	0 08	0 009
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 04	0 005
Nervous HI	0 1	0 01
Skin, Hair and Nails HI	0 2	0 02
Urinary HI	0 03	0 004

Table 94. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 805-O1 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	17034	1 0E+00	P	--	--				Nervous	6 4E-02	0 06	7 5E-03	0 007	1 8E-03		8 5E-04		
	Antimony	0 9	4 0E-04	I	--	--				Hematologic	3 3E-06	0 008	3 9E-07	0 001	9 4E-08		4 4E-08		
	RBA adjusted Arsenic	2 1	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	7 7E-06	0 03	9 1E-07	0 003	2 2E-07	3E-07	1 0E-07	2E-07	5E-07
	Cadmium	1 4	1 0E-03	I	--	--				Urinary	5 4E-06	0 005	6 3E-07	0 0006	1 5E-07		7 2E-08		
	Chromium	24 8	3 0E-03	I	--	--			(a)	--	9 3E-05	0 03	1 1E-05	0 004	2 7E-06		1 2E-06		
	Cobalt	9 2	3 0E-04	P	--	--				Endocrine	3 5E-05	0 1	4 1E-06	0 01	9 9E-07		4 6E-07		
	Iron	21242	7 0E-01	P	--	--				Gastrointestinal	7 9E-02	0 1	9 3E-03	0 01	2 3E-03		1 1E-03		
	Manganese	537	2 4E-02	S	--	--				Nervous	2 0E-03	0 08	2 4E-04	0 01	5 7E-05		2 7E-05		
	Nickel	20 7	1 1E-02	C	--	--				Developmental	7 8E-05	0 007	9 1E-06	0 0008	2 2E-06		1 0E-06		
	Thallium	0 16	1 0E-05	X	--	--				Skin, Hair & Nails	6 0E-07	0 06	7 0E-08	0 007	1 7E-08		8 0E-09		
	Vanadium	33 6	5 0E-03	S	--	--				Skin, Hair & Nails	1 3E-04	0 02	1 5E-05	0 003	3 6E-06		1 7E-06		
										Soil/Dust Ingestion Total		**0.5**		**0.06**		**3E-07**		**2E-07**	**5E-07**
Dermal Contact with Soil	Aluminum	20400	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	1 1	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	15 1	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	2 0E-06	0 007	2 4E-07	0 0008	5 8E-08	9E-08	2 7E-08	4E-08	1E-07
	Cadmium	1 7	1 0E-03	I	--	--	0 001	0 025		Urinary	7 7E-09	0 0003	9 1E-10	0 00004	2 2E-10		1 0E-10		
	Chromium	29 8	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	11 1	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	25440	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	643	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	24 8	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 19	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	40 2	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.007**		**0.0008**		**9E-08**		**4E-08**	**1E-07**
										Soil/Dust Total		**0.5**		**0.06**		**4E-07**		**2E-07**	**6E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 03	0 004
Developmental HI	0 007	0 0008
Endocrine HI	0 1	0 01
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 008	0 001
Nervous HI	0 1	0 02
Skin, Hair and Nails HI	0 1	0 01
Urinary HI	0 006	0 0007

Table 95. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 805-O2 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	9261	1 0E+00	P	--	--				Nervous	3 5E-02	0 03	4 1E-03	0 004	9 9E-04		4 6E-04		
	Antimony	0 7	4 0E-04	I	--	--				Hematologic	2 8E-06	0 007	3 2E-07	0 0008	7 9E-08		3 7E-08		
	RBA adjusted Arsenic	0 8	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	2 8E-06	0 009	3 3E-07	0 001	8 0E-08	1E-07	3 8E-08	6E-08	2E-07
	Cadmium	1 5	1 0E-03	I	--	--				Urinary	5 5E-06	0 005	6 4E-07	0 0006	1 6E-07		7 3E-08		
	Chromium	16 4	3 0E-03	I	--	--			(a)	--	6 1E-05	0 02	7 2E-06	0 002	1 8E-06		8 2E-07		
	Cobalt	5 6	3 0E-04	P	--	--				Endocrine	2 1E-05	0 07	2 4E-06	0 008	6 0E-07		2 8E-07		
	Iron	13604	7 0E-01	P	--	--				Gastrointestinal	5 1E-02	0 07	6 0E-03	0 009	1 5E-03		6 8E-04		
	Manganese	344	2 4E-02	S	--	--				Nervous	1 3E-03	0 05	1 5E-04	0 006	3 7E-05		1 7E-05		
	Nickel	13 6	1 1E-02	C	--	--				Developmental	5 1E-05	0 005	5 9E-06	0 0005	1 4E-06		6 8E-07		
	Thallium	0 13	1 0E-05	X	--	--				Skin, Hair & Nails	4 7E-07	0 05	5 5E-08	0 006	1 3E-08		6 3E-09		
	Vanadium	21 9	5 0E-03	S	--	--				Skin, Hair & Nails	8 2E-05	0 02	9 6E-06	0 002	2 3E-06		1 1E-06		
										Soil/Dust Ingestion Total		**0.3**		**0.04**		**1E-07**		**6E-08**	**2E-07**
Dermal Contact with Soil	Aluminum	11091	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	0 9	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	5 5	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	7 3E-07	0 002	8 7E-08	0 0003	2 1E-08	3E-08	1 0E-08	1E-08	5E-08
	Cadmium	1 7	1 0E-03	I	--	--	0 001	0 025		Urinary	7 8E-09	0 0003	9 2E-10	0 00004	2 2E-10		1 1E-10		
	Chromium	19 6	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	6 7	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	16292	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	412	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	16 2	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 15	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	26 2	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.003**		**0.0003**		**3E-08**		**1E-08**	**5E-08**
										Soil/Dust Total		**0.3**		**0.04**		**2E-07**		**7E-08**	**2E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 01	0 001
Developmental HI	0 005	0 0005
Endocrine HI	0 07	0 008
Gastrointestinal HI	0 07	0 009
Hematologic HI	0 007	0 0008
Nervous HI	0 09	0 01
Skin, Hair and Nails HI	0 08	0 009
Urinary HI	0 006	0 0007

Table 96. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 806-O1 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	12926	1 0E+00	P	--	--				Nervous	4 8E-02	0 05	5 7E-03	0 006	1 4E-03		6 5E-04		
	Antimony	0 6	4 0E-04	I	--	--				Hematologic	2 4E-06	0 006	2 8E-07	0 0007	6 9E-08		3 2E-08		
	RBA adjusted Arsenic	1 6	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	6 0E-06	0 02	7 0E-07	0 002	1 7E-07	3E-07	8 0E-08	1E-07	4E-07
	Cadmium	2 4	1 0E-03	I	--	--				Urinary	9 0E-06	0 009	1 1E-06	0 001	2 6E-07		1 2E-07		
	Chromium	25 6	3 0E-03	I	--	--			(a)	--	9 6E-05	0 03	1 1E-05	0 004	2 7E-06		1 3E-06		
	Cobalt	8 2	3 0E-04	P	--	--				Endocrine	3 1E-05	0 1	3 6E-06	0 01	8 8E-07		4 1E-07		
	Iron	20741	7 0E-01	P	--	--				Gastrointestinal	7 8E-02	0 1	9 1E-03	0 01	2 2E-03		1 0E-03		
	Manganese	494	2 4E-02	S	--	--				Nervous	1 8E-03	0 08	2 2E-04	0 009	5 3E-05		2 5E-05		
	Nickel	23 0	1 1E-02	C	--	--				Developmental	8 6E-05	0 008	1 0E-05	0 0009	2 5E-06		1 2E-06		
	Thallium	0 12	1 0E-05	X	--	--				Skin, Hair & Nails	4 4E-07	0 04	5 2E-08	0 005	1 3E-08		5 9E-09		
	Vanadium	36 4	5 0E-03	S	--	--				Skin, Hair & Nails	1 4E-04	0 03	1 6E-05	0 003	3 9E-06		1 8E-06		
										Soil/Dust Ingestion Total		**0.5**		**0.06**		**3E-07**		**1E-07**	**4E-07**
Dermal Contact with Soil	Aluminum	15480	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	0 8	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	11 7	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 6E-06	0 005	1 9E-07	0 0006	4 5E-08	7E-08	2 1E-08	3E-08	1E-07
	Cadmium	2 9	1 0E-03	I	--	--	0 001	0 025		Urinary	1 3E-08	0 0005	1 5E-09	0 00006	3 7E-10		1 7E-10		
	Chromium	30 6	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	9 9	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	24840	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	592	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	27 6	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 14	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	43 6	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.006**		**0.0007**		**7E-08**		**3E-08**	**1E-07**
										Soil/Dust Total		**0.5**		**0.06**		**3E-07**		**2E-07**	**5E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 03	0 003
Developmental HI	0 008	0 0009
Endocrine HI	0 1	0 01
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 006	0 0007
Nervous HI	0 1	0 01
Skin, Hair and Nails HI	0 1	0 01
Urinary HI	0 01	0 001

Table 97. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 806-O2 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	16733	1 0E+00	P	--	--				Nervous	6 3E-02	0 06	7 3E-03	0 007	1 8E-03		8 4E-04		
	Antimony	0 8	4 0E-04	I	--	--				Hematologic	3 0E-06	0 008	3 5E-07	0 0009	8 6E-08		4 0E-08		
	RBA adjusted Arsenic	2 9	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 1E-05	0 04	1 3E-06	0 004	3 1E-07	5E-07	1 4E-07	2E-07	7E-07
	Cadmium	2 7	1 0E-03	I	--	--				Urinary	1 0E-05	0 01	1 2E-06	0 001	2 9E-07		1 4E-07		
	Chromium	30 8	3 0E-03	I	--	--			(a)	--	1 2E-04	0 04	1 3E-05	0 004	3 3E-06		1 5E-06		
	Cobalt	10 7	3 0E-04	P	--	--				Endocrine	4 0E-05	0 1	4 7E-06	0 02	1 1E-06		5 4E-07		
	Iron	22645	7 0E-01	P	--	--				Gastrointestinal	8 5E-02	0 1	9 9E-03	0 01	2 4E-03		1 1E-03		
	Manganese	545	2 4E-02	S	--	--				Nervous	2 0E-03	0 08	2 4E-04	0 01	5 8E-05		2 7E-05		
	Nickel	32 0	1 1E-02	C	--	--				Developmental	1 2E-04	0 01	1 4E-05	0 001	3 4E-06		1 6E-06		
	Thallium	0 17	1 0E-05	X	--	--				Skin, Hair & Nails	6 3E-07	0 06	7 3E-08	0 007	1 8E-08		8 4E-09		
	Vanadium	37 1	5 0E-03	S	--	--				Skin, Hair & Nails	1 4E-04	0 03	1 6E-05	0 003	4 0E-06		1 9E-06		
										Soil/Dust Ingestion Total		**0.6**		**0.07**		**5E-07**		**2E-07**	**7E-07**
Dermal Contact with Soil	Aluminum	20040	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	1 0	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	21 0	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	2 8E-06	0 009	3 3E-07	0 001	8 0E-08	1E-07	3 8E-08	6E-08	2E-07
	Cadmium	3 3	1 0E-03	I	--	--	0 001	0 025		Urinary	1 5E-08	0 0006	1 7E-09	0 00007	4 2E-10		2 0E-10		
	Chromium	36 8	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	12 8	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	27120	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	653	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	38 3	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 20	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	44 4	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.01**		**0.001**		**1E-07**		**6E-08**	**2E-07**
										Soil/Dust Total		**0.6**		**0.07**		**6E-07**		**3E-07**	**9E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 05	0 005
Developmental HI	0 01	0 001
Endocrine HI	0 1	0 02
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 008	0 0009
Nervous HI	0 1	0 02
Skin, Hair and Nails HI	0 1	0 02
Urinary HI	0 01	0 001

Table 98. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 806-O3 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	13427	1 0E+00	P	--	--				Nervous	5 0E-02	0 05	5 9E-03	0 006	1 4E-03		6 7E-04		
	Antimony	0 9	4 0E-04	I	--	--				Hematologic	3 4E-06	0 009	4 0E-07	0 001	9 8E-08		4 6E-08		
	RBA adjusted Arsenic	1 3	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	4 9E-06	0 02	5 7E-07	0 002	1 4E-07	2E-07	6 5E-08	1E-07	3E-07
	Cadmium	1 7	1 0E-03	I	--	--				Urinary	6 4E-06	0 006	7 5E-07	0 0007	1 8E-07		8 5E-08		
	Chromium	23 3	3 0E-03	I	--	--			(a)	--	8 7E-05	0 03	1 0E-05	0 003	2 5E-06		1 2E-06		
	Cobalt	6 7	3 0E-04	P	--	--				Endocrine	2 5E-05	0 08	2 9E-06	0 01	7 2E-07		3 4E-07		
	Iron	20341	7 0E-01	P	--	--				Gastrointestinal	7 6E-02	0 1	8 9E-03	0 01	2 2E-03		1 0E-03		
	Manganese	598	2 4E-02	S	--	--				Nervous	2 2E-03	0 09	2 6E-04	0 01	6 4E-05		3 0E-05		
	Nickel	18 9	1 1E-02	C	--	--				Developmental	7 1E-05	0 006	8 3E-06	0 0008	2 0E-06		9 5E-07		
	Thallium	0 11	1 0E-05	X	--	--				Skin, Hair & Nails	4 2E-07	0 04	5 0E-08	0 005	1 2E-08		5 7E-09		
	Vanadium	35 4	5 0E-03	S	--	--				Skin, Hair & Nails	1 3E-04	0 03	1 6E-05	0 003	3 8E-06		1 8E-06		
										Soil/Dust Ingestion Total		**0.5**		**0.06**		**2E-07**		**1E-07**	**3E-07**
Dermal Contact with Soil	Aluminum	16080	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	1 1	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	9 5	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 3E-06	0 004	1 5E-07	0 0005	3 6E-08	5E-08	1 7E-08	3E-08	8E-08
	Cadmium	2 0	1 0E-03	I	--	--	0 001	0 025		Urinary	9 1E-09	0 0004	1 1E-09	0 00004	2 6E-10		1 2E-10		
	Chromium	28 0	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 0	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	24360	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	716	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	22 7	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 14	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	42 4	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.005**		**0.0005**		**5E-08**		**3E-08**	**8E-08**
										Soil/Dust Total		**0.5**		**0.06**		**3E-07**		**1E-07**	**4E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 02	0 002
Developmental HI	0 006	0 0008
Endocrine HI	0 08	0 01
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 009	0 001
Nervous HI	0 1	0 02
Skin, Hair and Nails HI	0 09	0 01
Urinary HI	0 007	0 0008

Table 99. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 806-O4 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	12377	1 0E+00	P	--	--				Nervous	4 6E-02	0 05	5 4E-03	0 005	1 3E-03		6 2E-04		
	Antimony	0 7	4 0E-04	I	--	--				Hematologic	2 5E-06	0 006	2 9E-07	0 0007	7 0E-08		3 3E-08		
	RBA adjusted Arsenic	1 3	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	5 0E-06	0 02	5 8E-07	0 002	1 4E-07	2E-07	6 7E-08	1E-07	3E-07
	Cadmium	1 5	1 0E-03	I	--	--				Urinary	5 5E-06	0 006	6 5E-07	0 0006	1 6E-07		7 4E-08		
	Chromium	20 2	3 0E-03	I	--	--			(a)	--	7 6E-05	0 03	8 9E-06	0 003	2 2E-06		1 0E-06		
	Cobalt	6 9	3 0E-04	P	--	--				Endocrine	2 6E-05	0 09	3 0E-06	0 01	7 4E-07		3 5E-07		
	Iron	17026	7 0E-01	P	--	--				Gastrointestinal	6 4E-02	0 09	7 5E-03	0 01	1 8E-03		8 5E-04		
	Manganese	496	2 4E-02	S	--	--				Nervous	1 9E-03	0 08	2 2E-04	0 009	5 3E-05		2 5E-05		
	Nickel	17 9	1 1E-02	C	--	--				Developmental	6 7E-05	0 006	7 8E-06	0 0007	1 9E-06		9 0E-07		
	Thallium	0 10	1 0E-05	X	--	--				Skin, Hair & Nails	3 9E-07	0 04	4 6E-08	0 005	1 1E-08		5 2E-09		
	Vanadium	31 2	5 0E-03	S	--	--				Skin, Hair & Nails	1 2E-04	0 02	1 4E-05	0 003	3 3E-06		1 6E-06		
										Soil/Dust Ingestion Total		**0.4**		**0.05**		**2E-07**		**1E-07**	**3E-07**
Dermal Contact with Soil	Aluminum	14823	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	0 8	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	9 8	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 3E-06	0 004	1 5E-07	0 0005	3 7E-08	6E-08	1 8E-08	3E-08	8E-08
	Cadmium	1 8	1 0E-03	I	--	--	0 001	0 025		Urinary	7 8E-09	0 0003	9 3E-10	0 00004	2 2E-10		1 1E-10		
	Chromium	24 2	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 3	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	20391	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	594	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	21 4	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 13	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	37 4	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.005**		**0.0006**		**6E-08**		**3E-08**	**8E-08**
										Soil/Dust Total		**0.4**		**0.05**		**3E-07**		**1E-07**	**4E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 02	0 002
Developmental HI	0 006	0 0007
Endocrine HI	0 09	0 01
Gastrointestinal HI	0 09	0 01
Hematologic HI	0 006	0 0007
Nervous HI	0 1	0 01
Skin, Hair and Nails HI	0 08	0 01
Urinary HI	0 006	0 0007

Table 100. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 806-O5 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	15230	1 0E+00	P	--	--				Nervous	5 7E-02	0 06	6 7E-03	0 007	1 6E-03		7 6E-04		
	Antimony	0 7	4 0E-04	I	--	--				Hematologic	2 8E-06	0 007	3 3E-07	0 0008	7 9E-08		3 7E-08		
	RBA adjusted Arsenic	1 5	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	5 5E-06	0 02	6 4E-07	0 002	1 6E-07	2E-07	7 3E-08	1E-07	3E-07
	Cadmium	1 6	1 0E-03	I	--	--				Urinary	6 0E-06	0 006	7 0E-07	0 0007	1 7E-07		8 0E-08		
	Chromium	21 9	3 0E-03	I	--	--			(a)	--	8 2E-05	0 03	9 6E-06	0 003	2 3E-06		1 1E-06		
	Cobalt	7 4	3 0E-04	P	--	--				Endocrine	2 8E-05	0 09	3 3E-06	0 01	7 9E-07		3 7E-07		
	Iron	19739	7 0E-01	P	--	--				Gastrointestinal	7 4E-02	0 1	8 7E-03	0 01	2 1E-03		9 9E-04		
	Manganese	598	2 4E-02	S	--	--				Nervous	2 2E-03	0 09	2 6E-04	0 01	6 4E-05		3 0E-05		
	Nickel	19 1	1 1E-02	C	--	--				Developmental	7 2E-05	0 007	8 4E-06	0 0008	2 0E-06		9 6E-07		
	Thallium	0 12	1 0E-05	X	--	--				Skin, Hair & Nails	4 5E-07	0 04	5 2E-08	0 005	1 3E-08		6 0E-09		
	Vanadium	34 7	5 0E-03	S	--	--				Skin, Hair & Nails	1 3E-04	0 03	1 5E-05	0 003	3 7E-06		1 7E-06		
										Soil/Dust Ingestion Total		**0.5**		**0.06**		**2E-07**		**1E-07**	**3E-07**
Dermal Contact with Soil	Aluminum	18240	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	0 9	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	10 7	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 4E-06	0 005	1 7E-07	0 0006	4 1E-08	6E-08	1 9E-08	3E-08	9E-08
	Cadmium	1 9	1 0E-03	I	--	--	0 001	0 025		Urinary	8 5E-09	0 0003	1 0E-09	0 00004	2 4E-10		1 2E-10		
	Chromium	26 3	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 9	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	23640	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	716	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	22 9	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 14	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	41 5	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.005**		**0.0006**		**6E-08**		**3E-08**	**9E-08**
										Soil/Dust Total		**0.5**		**0.06**		**3E-07**		**1E-07**	**4E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 02	0 003
Developmental HI	0 007	0 0008
Endocrine HI	0 09	0 01
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 007	0 0008
Nervous HI	0 2	0 02
Skin, Hair and Nails HI	0 09	0 01
Urinary HI	0 006	0 0007

Table 101. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 807-O1 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	21355	1 0E+00	P	--	--				Nervous	8 0E-02	0 08	9 4E-03	0 009	2 3E-03		1 1E-03		
	Antimony	0 5	4 0E-04	I	--	--				Hematologic	1 7E-06	0 004	2 0E-07	0 0005	4 9E-08		2 3E-08		
	RBA adjusted Arsenic	1 6	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	6 1E-06	0 02	7 2E-07	0 002	1 7E-07	3E-07	8 2E-08	1E-07	4E-07
	Cadmium	0 8	1 0E-03	I	--	--				Urinary	2 9E-06	0 003	3 4E-07	0 0003	8 4E-08		3 9E-08		
	Chromium	20 1	3 0E-03	I	--	--			(a)	--	7 5E-05	0 03	8 8E-06	0 003	2 1E-06		1 0E-06		
	Cobalt	7 2	3 0E-04	P	--	--				Endocrine	2 7E-05	0 09	3 2E-06	0 01	7 7E-07		3 6E-07		
	Iron	18004	7 0E-01	P	--	--				Gastrointestinal	6 7E-02	0 1	7 9E-03	0 01	1 9E-03		9 0E-04		
	Manganese	736	2 4E-02	S	--	--				Nervous	2 8E-03	0 1	3 2E-04	0 01	7 9E-05		3 7E-05		
	Nickel	19 3	1 1E-02	C	--	--				Developmental	7 2E-05	0 007	8 5E-06	0 0008	2 1E-06		9 7E-07		
	Thallium	0 14	1 0E-05	X	--	--				Skin, Hair & Nails	5 2E-07	0 05	6 0E-08	0 006	1 5E-08		6 9E-09		
	Vanadium	32 9	5 0E-03	S	--	--				Skin, Hair & Nails	1 2E-04	0 02	1 4E-05	0 003	3 5E-06		1 6E-06		
										Soil/Dust Ingestion Total		**0.5**		**0.06**		**3E-07**		**1E-07**	**4E-07**
Dermal Contact with Soil	Aluminum	25574	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	0 5	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	12 0	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 6E-06	0 005	1 9E-07	0 0006	4 5E-08	7E-08	2 2E-08	3E-08	1E-07
	Cadmium	0 9	1 0E-03	I	--	--	0 001	0 025		Urinary	4 2E-09	0 0002	5 0E-10	0 00002	1 2E-10		5 7E-11		
	Chromium	24 1	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	8 7	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	21561	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	881	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	23 1	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 16	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	39 4	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.005**		**0.0007**		**7E-08**		**3E-08**	**1E-07**
										Soil/Dust Total		**0.5**		**0.06**		**3E-07**		**2E-07**	**5E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 03	0 003
Developmental HI	0 007	0 0008
Endocrine HI	0 09	0 01
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 004	0 0005
Nervous HI	0 2	0 02
Skin, Hair and Nails HI	0 1	0 01
Urinary HI	0 003	0 0004

Table 102. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 808-O1 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	9733	1 0E+00	P	--	--				Nervous	3 6E-02	0 04	4 3E-03	0 004	1 0E-03		4 9E-04		
	Antimony	0 5	4 0E-04	I	--	--				Hematologic	2 0E-06	0 005	2 3E-07	0 0006	5 6E-08		2 6E-08		
	RBA adjusted Arsenic	1 0	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	3 7E-06	0 01	4 4E-07	0 001	1 1E-07	2E-07	5 0E-08	8E-08	2E-07
	Cadmium	1 1	1 0E-03	I	--	--				Urinary	4 2E-06	0 004	5 0E-07	0 0005	1 2E-07		5 7E-08		
	Chromium	22 3	3 0E-03	I	--	--			(a)	--	8 3E-05	0 03	9 8E-06	0 003	2 4E-06		1 1E-06		
	Cobalt	6 5	3 0E-04	P	--	--				Endocrine	2 4E-05	0 08	2 9E-06	0 01	7 0E-07		3 3E-07		
	Iron	17323	7 0E-01	P	--	--				Gastrointestinal	6 5E-02	0 09	7 6E-03	0 01	1 9E-03		8 7E-04		
	Manganese	453	2 4E-02	S	--	--				Nervous	1 7E-03	0 07	2 0E-04	0 008	4 8E-05		2 3E-05		
	Nickel	16 7	1 1E-02	C	--	--				Developmental	6 3E-05	0 006	7 3E-06	0 0007	1 8E-06		8 4E-07		
	Thallium	0 12	1 0E-05	X	--	--				Skin, Hair & Nails	4 3E-07	0 04	5 1E-08	0 005	1 2E-08		5 8E-09		
	Vanadium	31 8	5 0E-03	S	--	--				Skin, Hair & Nails	1 2E-04	0 02	1 4E-05	0 003	3 4E-06		1 6E-06		
										Soil/Dust Ingestion Total		**0.4**		**0.05**		**2E-07**		**8E-08**	**2E-07**
Dermal Contact with Soil	Aluminum	11656	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	0 6	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	7 3	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	9 8E-07	0 003	1 2E-07	0 0004	2 8E-08	4E-08	1 3E-08	2E-08	6E-08
	Cadmium	1 4	1 0E-03	I	--	--	0 001	0 025		Urinary	6 0E-09	0 0002	7 2E-10	0 00003	1 7E-10		8 2E-11		
	Chromium	26 7	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	7 8	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	20746	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	542	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	20 0	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 14	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	38 1	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.003**		**0.0004**		**4E-08**		**2E-08**	**6E-08**
										Soil/Dust Total		**0.4**		**0.05**		**2E-07**		**1E-07**	**3E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 02	0 002
Developmental HI	0 006	0 0007
Endocrine HI	0 08	0 01
Gastrointestinal HI	0 09	0 01
Hematologic HI	0 005	0 0006
Nervous HI	0 1	0 01
Skin, Hair and Nails HI	0 08	0 01
Urinary HI	0 004	0 0005

Table 103. Non-Cancer and Cancer Risks from Incidental Ingestion of Soil/Dust and Dermal Contact with Soil at Tribal Allotment DU 808-O2 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Soil/Dust EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Soil/Dust	Aluminum	12425	1 0E+00	P	--	--				Nervous	4 6E-02	0 05	5 4E-03	0 005	1 3E-03		6 2E-04		
	Antimony	0 9	4 0E-04	I	--	--				Hematologic	3 4E-06	0 009	4 0E-07	0 001	9 9E-08		4 6E-08		
	RBA adjusted Arsenic	1 1	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	4 3E-06	0 01	5 0E-07	0 002	1 2E-07	2E-07	5 7E-08	9E-08	3E-07
	Cadmium	1 1	1 0E-03	I	--	--				Urinary	4 1E-06	0 004	4 8E-07	0 0005	1 2E-07		5 5E-08		
	Chromium	21 4	3 0E-03	I	--	--			(a)	--	8 0E-05	0 03	9 4E-06	0 003	2 3E-06		1 1E-06		
	Cobalt	6 4	3 0E-04	P	--	--				Endocrine	2 4E-05	0 08	2 8E-06	0 009	6 8E-07		3 2E-07		
	Iron	18938	7 0E-01	P	--	--				Gastrointestinal	7 1E-02	0 1	8 3E-03	0 01	2 0E-03		9 5E-04		
	Manganese	573	2 4E-02	S	--	--				Nervous	2 1E-03	0 09	2 5E-04	0 01	6 1E-05		2 9E-05		
	Nickel	17 1	1 1E-02	C	--	--				Developmental	6 4E-05	0 006	7 5E-06	0 0007	1 8E-06		8 6E-07		
	Thallium	0 26	1 0E-05	X	--	--				Skin, Hair & Nails	9 9E-07	0 1	1 2E-07	0 01	2 8E-08		1 3E-08		
	Vanadium	27 5	5 0E-03	S	--	--				Skin, Hair & Nails	1 0E-04	0 02	1 2E-05	0 002	2 9E-06		1 4E-06		
										Soil/Dust Ingestion Total		**0.5**		**0.06**		**2E-07**		**9E-08**	**3E-07**
Dermal Contact with Soil	Aluminum	14880	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	1 1	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	8 4	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 1E-06	0 004	1 3E-07	0 0004	3 2E-08	5E-08	1 5E-08	2E-08	7E-08
	Cadmium	1 3	1 0E-03	I	--	--	0 001	0 025		Urinary	5 9E-09	0 0002	7 0E-10	0 00003	1 7E-10		8 0E-11		
	Chromium	25 7	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	7 7	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	22680	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	686	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	20 5	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 32	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	32 9	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Soil Dermal Total		**0.004**		**0.0005**		**5E-08**		**2E-08**	**7E-08**
										Soil/Dust Total		**0.5**		**0.06**		**2E-07**		**1E-07**	**3E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 02	0 002
Developmental HI	0 006	0 0007
Endocrine HI	0 08	0 009
Gastrointestinal HI	0 1	0 01
Hematologic HI	0 009	0 001
Nervous HI	0 1	0 02
Skin, Hair and Nails HI	0 1	0 02
Urinary HI	0 004	0 0005

Table 104. Non-Cancer and Cancer Risks from Incidental Ingestion of Sediment and Dermal Contact with Sediment at Tribal Allotment DU 411 for Non-Lead COPCS for the RME: CHIRU

Exposure Pathway	Analyte Name	Sediment EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Sediment	Aluminum	6112	1 0E+00	P	--	--				Nervous	1 4E-02	0 01	3 1E-03	0 003	1 2E-03		8 9E-04		
	Antimony	11 5	4 0E-04	I	--	--				Hematologic	2 6E-05	0 07	5 9E-06	0 01	2 2E-06		1 7E-06		
	RBA adjusted Arsenic	4 7	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 1E-05	0 04	2 4E-06	0 008	9 2E-07	1E-06	6 9E-07	1E-06	2E-06
	Cadmium	5 1	1 0E-03	I	--	--				Urinary	1 1E-05	0 01	2 6E-06	0 003	9 8E-07		7 4E-07		
	Chromium	22 5	3 0E-03	I	--	--			(a)	--	5 1E-05	0 02	1 1E-05	0 004	4 4E-06		3 3E-06		
	Cobalt	7 4	3 0E-04	P	--	--				Endocrine	1 7E-05	0 06	3 8E-06	0 01	1 4E-06		1 1E-06		
	Iron	31917	7 0E-01	P	--	--				Gastrointestinal	7 2E-02	0 1	1 6E-02	0 02	6 2E-03		4 6E-03		
	Manganese	415	2 4E-02	S	--	--				Nervous	9 4E-04	0 04	2 1E-04	0 009	8 1E-05		6 0E-05		
	Nickel	15 4	1 1E-02	C	--	--				Developmental	3 5E-05	0 003	7 8E-06	0 0007	3 0E-06		2 2E-06		
	Thallium	0 30	1 0E-05	X	--	--				Skin, Hair & Nails	6 9E-07	0 07	1 6E-07	0 02	5 9E-08		4 4E-08		
	Vanadium	32 1	5 0E-03	S	--	--				Skin, Hair & Nails	7 3E-05	0 01	1 6E-05	0 003	6 2E-06		4 7E-06		
										Sediment Ingestion Total		**0.4**		**0.1**		**1E-06**		**1E-06**	**2E-06**
Dermal Contact with Sediment	Aluminum	6112	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	11 5	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	14 6	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	2 4E-06	0 008	4 8E-07	0 002	2 0E-07	3E-07	1 4E-07	2E-07	5E-07
	Cadmium	5 1	1 0E-03	I	--	--	0 001	0 025		Urinary	2 7E-08	0 001	5 5E-09	0 0002	2 3E-09		1 6E-09		
	Chromium	22 5	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	7 4	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	31917	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	415	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	15 4	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 30	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	32 1	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Sediment Dermal Total		**0.009**		**0.002**		**3E-07**		**2E-07**	**5E-07**
										Sediment Total		**0.4**		**0.1**		**2E-06**		**1E-06**	**3E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 04	0 01
Developmental HI	0 003	0 0007
Endocrine HI	0 06	0 01
Gastrointestinal HI	0 1	0 02
Hematologic HI	0 07	0 01
Nervous HI	0 05	0 01
Skin, Hair and Nails HI	0 1	0 03
Urinary HI	0 01	0 003

Table 105. Non-Cancer and Cancer Risks from Incidental Ingestion of Sediment and Dermal Contact with Sediment at Tribal Allotment DU 411 for Non-Lead COPCS for the CTE: CHIRU

Exposure Pathway	Analyte Name	Sediment EPC (mg/kg)	Toxicity Values				Dermal Absorption Fraction	GI Absorption Efficiency (ABS_{GI})	Notes	Target Organ System	Non-Cancer				Cancer				
											Child		Adult		Child		Adult		TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	Risk
Incidental Ingestion of Sediment	Aluminum	6112	1 0E+00	P	--	--				Nervous	1 6E-03	0 002	1 9E-04	0 0002	4 6E-05		2 2E-05		
	Antimony	11 5	4 0E-04	I	--	--				Hematologic	3 0E-06	0 008	3 5E-07	0 0009	8 6E-08		4 0E-08		
	RBA adjusted Arsenic	4 7	3 0E-04	I	1 5	I				Cardiovascular; Skin, Hair & Nails	1 2E-06	0 004	1 5E-07	0 0005	3 6E-08	5E-08	1 7E-08	2E-08	8E-08
	Cadmium	5 1	1 0E-03	I	--	--				Urinary	1 3E-06	0 001	1 6E-07	0 0002	3 8E-08		1 8E-08		
	Chromium	22 5	3 0E-03	I	--	--			(a)	--	5 9E-06	0 002	6 9E-07	0 0002	1 7E-07		7 9E-08		
	Cobalt	7 4	3 0E-04	P	--	--				Endocrine	2 0E-06	0 007	2 3E-07	0 0008	5 6E-08		2 6E-08		
	Iron	31917	7 0E-01	P	--	--				Gastrointestinal	8 4E-03	0 01	9 8E-04	0 001	2 4E-04		1 1E-04		
	Manganese	415	2 4E-02	S	--	--				Nervous	1 1E-04	0 005	1 3E-05	0 0005	3 1E-06		1 5E-06		
	Nickel	15 4	1 1E-02	C	--	--				Developmental	4 0E-06	0 0004	4 7E-07	0 00004	1 2E-07		5 4E-08		
	Thallium	0 30	1 0E-05	X	--	--				Skin, Hair & Nails	8 0E-08	0 008	9 4E-09	0 0009	2 3E-09		1 1E-09		
	Vanadium	32 1	5 0E-03	S	--	--				Skin, Hair & Nails	8 4E-06	0 002	9 9E-07	0 0002	2 4E-07		1 1E-07		
										Sediment Ingestion Total		**0.05**		**0.006**		**5E-08**		**2E-08**	**8E-08**
Dermal Contact with Sediment	Aluminum	6112	1 0E+00	P	--	--	--	1		Nervous	--		--		--		--		
	Antimony	11 5	4 0E-04	I	--	--	--	0 15		Hematologic	--		--		--		--		
	Arsenic	14 6	3 0E-04	I	1 5	I	0 03	1		Cardiovascular; Skin, Hair & Nails	1 4E-07	0 0005	2 0E-08	0 00007	3 9E-09	6E-09	2 3E-09	3E-09	9E-09
	Cadmium	5 1	1 0E-03	I	--	--	0 001	0 025		Urinary	1 6E-09	0 00006	2 3E-10	0 000009	4 5E-11		2 6E-11		
	Chromium	22 5	3 0E-03	I	--	--	--	0 025	(a)	--	--		--		--		--		
	Cobalt	7 4	3 0E-04	P	--	--	--	1		Endocrine	--		--		--		--		
	Iron	31917	7 0E-01	P	--	--	--	1		Gastrointestinal	--		--		--		--		
	Manganese	415	2 4E-02	S	--	--	--	0 04		Nervous	--		--		--		--		
	Nickel	15 4	1 1E-02	C	--	--	--	0 04		Developmental	--		--		--		--		
	Thallium	0 30	1 0E-05	X	--	--	--	1		Skin, Hair & Nails	--		--		--		--		
	Vanadium	32 1	5 0E-03	S	--	--	--	0 026		Skin, Hair & Nails	--		--		--		--		
										Sediment Dermal Total		**0.0005**		**0.00008**		**6E-09**		**3E-09**	**9E-09**
										Sediment Total		**0.05**		**0.006**		**6E-08**		**3E-08**	**9E-08**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

Sources: A = ATSDR, C = Cal EPA, H = HEAST, I = IRIS, P = PPRTV, S = See RSL User's Guide Section 5
X = Appendix PPRTV Screen (see RSL FAQ #29)

Total by Target Organ System:

Cardiovascular HI	0 005	0 0006
Developmental HI	0 0004	0 00004
Endocrine HI	0 007	0 0008
Gastrointestinal HI	0 01	0 001
Hematologic HI	0 008	0 0009
Nervous HI	0 006	0 0007
Skin, Hair and Nails HI	0 01	0 002
Urinary HI	0 001	0 0002

Table 106. Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Surface Water for Non-Lead COPCS for the RME: CHIRU

Pathway	Analyte Name	Surface Water EPC (unfiltered; µg/L)	Toxicity Values				Notes	Primary Target Organ(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Child		Adult		Child		Adult		
											Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Ingestion	Aluminum	722	1	P	--	--		Nervous			4 8E-03	0 005	0 0006753	0 0007	4 1E-04		1 9E-04		
	Antimony	0 643	0 0004	I	--	--		Hematologic			4 3E-06	0 01	6 0E-07	0 002	3 7E-07		1 7E-07		
	RBA Adjusted Arsenic	0 174	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			1 2E-06	0 004	1 6E-07	0 0005	9 9E-08	1E-07	4 6E-08	7E-08	2E-07
	Barium	154	0 2	I	--	--		Urinary			1 0E-03	0 005	1 4E-04	0 0007	8 8E-05		4 1E-05		
	Beryllium	0 189	0 002	I	--	--		Gastrointestinal			1 3E-06	0 0006	1 8E-07	0 00009	1 1E-07		5 0E-08		
	Cadmium	0 233	0 0005	I	--	--	(a)	Urinary			1 5E-06	0 003	2 2E-07	0 0004	1 3E-07		6 2E-08		
	Chromium	3 67	0 003	I	--	--	(b)	None			2 4E-05	0 008	3 4E-06	0 001	2 1E-06		9 8E-07		
	Cobalt	4 35	0 0003	P	--	--		Endocrine			2 9E-05	0 1	4 1E-06	0 01	2 5E-06		1 2E-06		
	Iron	1817	0 7	P	--	--		Gastrointestinal			1 2E-02	0 02	1 7E-03	0 002	1 0E-03		4 9E-04		
	Manganese	419	0 024	S	--	--		Neurological			2 8E-03	0 1	3 9E-04	0 02	2 4E-04		1 1E-04		
	Thallium	0 0358	0 00001	X	--	--		Skin, Hair & Nails			2 4E-07	0 02	3 3E-08	0 003	2 0E-08		9 6E-09		
	Uranium	0 756	0 0002	A	--	--		Urinary			5 0E-06	0 03	7 1E-07	0 004	4 3E-07		2 0E-07		
	Vanadium	5 07	0 00504	S	--	--		Skin, Hair & Nails			3 4E-05	0 007	4 7E-06	0 0009	2 9E-06		1 4E-06		
										Ingestion Total		**0.3**		**0.05**		**1E-07**		**7E-08**	**2E-07**
Dermal	Aluminum	722 30	1	P	--	--		Nervous	0 001	1	2 8E-04	0 0003	1 6E-04	0 0002	2 4E-05		4 7E-05		
	Antimony	0 64	0 0004	I	--	--		Hematologic	0 001	0 15	2 5E-07	0 004	1 5E-07	0 002	2 2E-08		4 2E-08		
	Arsenic	0 84	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 001	1	3 3E-07	0 001	1 9E-07	0 0006	2 8E-08	4E-08	5 5E-08	8E-08	1E-07
	Barium	154	0 2	I	--	--		Urinary	0 001	0 07	6 1E-05	0 004	3 5E-05	0 003	5 2E-06		1 0E-05		
	Beryllium	0 19	0 002	I	--	--		Gastrointestinal	0 001	0 007	7 5E-08	0 005	4 3E-08	0 003	6 4E-09		1 2E-08		
	Cadmium	0 23	0 0005	I	--	--	(a)	Urinary	0 001	0 05	9 2E-08	0 004	5 3E-08	0 002	7 9E-09		1 5E-08		
	Chromium	3 67	0 003	I	--	--	(b)	None	0 002	0 025	2 9E-06	0 04	1 7E-06	0 02	2 5E-07		4 8E-07		
	Cobalt	4 35	0 0003	P	--	--		Endocrine	0 0004	1	6 9E-07	0 002	4 0E-07	0 001	5 9E-08		1 1E-07		
	Iron	1817	0 7	P	--	--		Gastrointestinal	0 001	1	7 2E-04	0 001	4 2E-04	0 0006	6 1E-05		1 2E-04		
	Manganese	419	0 024	S	--	--		Neurological	0 001	0 04	1 7E-04	0 2	9 6E-05	0 1	1 4E-05		2 7E-05		
	Thallium	0 0358	0 00001	X	--	--		Skin, Hair & Nails	0 001	1	1 4E-08	0 001	8 2E-09	0 0008	1 2E-09		2 3E-09		
	Uranium	0 756	0 0002	A	--	--		Urinary	0 001	1	3 0E-07	0 001	1 7E-07	0 0009	2 6E-08		4 9E-08		
	Vanadium	5 07	0 00504	S	--	--		Skin, Hair & Nails	0 001	0 026	2 0E-06	0 02	1 2E-06	0 009	1 7E-07		3 3E-07		
										Dermal Total		**0.3**		**0.1**		**4E-08**		**8E-08**	**1E-07**
										Ingestion and Dermal Total		**0.6**		**0.2**		**2E-07**		**2E-07**	**3E-07**

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Cardiovascular HI	0 005	0 001
Endocrine HI	0 1	0 01
Gastrointestinal HI	0 02	0 006
Hematologic HI	0 01	0 004
Nervous HI	0 3	0 1
Skin, Hair & Nails HI	0 05	0 02
Urinary HI	0 04	0 01

Table 107. Non-Cancer and Cancer Risks from Incidental Ingestion of and Dermal Contact with Surface Water for Non-Lead COPCS for the CTE: CHIRU

Pathway	Analyte Name	Surface Water EPC (unfiltered; µg/L)	Toxicity Values				Notes	Primary Target Organ(s)	Permeability Coefficient (K_p) (cm/hr)	GI Absorption Efficiency (ABS_{GI})	Non-Cancer				Cancer				TWA
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source					Child		Adult		Child		Adult		
											Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Ingestion	Aluminum	722	1	P	--	--		Nervous			2 3E-07	0 0003	4 5E-05	0 00005	6 4E-09		5 2E-06		
	Antimony	0 643	0 0004	I	--	--		Hematologic			2 0E-10	0 0007	4 0E-08	0 0001	5 7E-12		4 6E-09		
	RBA Adjusted Arsenic	0 174	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails			5 4E-11	0 0003	1 1E-08	0 00004	1 6E-12	2E-12	1 3E-09	2E-09	2E-09
	Barium	154	0 2	I	--	--		Urinary			4 8E-08	0 0003	9 7E-06	0 00005	1 4E-09		1 1E-06		
	Beryllium	0 189	0 002	I	--	--		Gastrointestinal			5 9E-11	0 00004	1 2E-08	0 00001	1 7E-12		1 4E-09		
	Cadmium	0 233	0 0005	I	--	--	(a)	Urinary			7 3E-11	0 0002	1 5E-08	0 00003	2 1E-12		1 7E-09		
	Chromium	3 67	0 003	I	--	--	(b)	None			1 1E-09	0 0005	2 3E-07	0 00008	3 3E-11		2 6E-08		
	Cobalt	4 35	0 0003	P	--	--		Endocrine			1 4E-09	0 006	2 7E-07	0 0009	3 9E-11		3 1E-08		
	Iron	1817	0 7	P	--	--		Gastrointestinal			5 7E-07	0 001	1 1E-04	0 0002	1 6E-08		1 3E-05		
	Manganese	418 9	0 024	S	--	--		Neurological			1 3E-07	0 008	2 6E-05	0 001	3 7E-09		3 0E-06		
	Thallium	0 0358	0 00001	X	--	--		Skin, Hair & Nails			1 1E-11	0 002	2 3E-09	0 0002	3 2E-13		2 6E-10		
	Uranium	0 756	0 0002	A	--	--		Urinary			2 4E-10	0 002	4 8E-08	0 0002	6 7E-12		5 4E-09		
	Vanadium	5 07	0 00504	S	--	--		Skin, Hair & Nails			1 6E-09	0 0004	3 2E-07	0 00006	4 5E-11		3 6E-08		
										Ingestion Total		**0.02**		**0.003**		**2E-12**		**2E-09**	**2E-09**
Dermal	Aluminum	722	1	P	--	--		Nervous	0 001	1	3 8E-05	0 00004	2 2E-05	0 00002	1 1E-06		2 5E-06		
	Antimony	0 643	0 0004	I	--	--		Hematologic	0 001	0 15	3 4E-08	0 0006	2 0E-08	0 0003	9 7E-10		2 3E-09		
	Arsenic	0 841	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	0 001	1	4 5E-08	0 0001	2 6E-08	0 00009	1 3E-09	2E-09	3 0E-09	4E-09	6E-09
	Barium	154	0 2	I	--	--		Urinary	0 001	0 07	8 1E-06	0 0006	4 7E-06	0 0003	2 3E-07		5 4E-07		
	Beryllium	0 189	0 002	I	--	--		Gastrointestinal	0 001	0 007	1 0E-08	0 0007	5 8E-09	0 0004	2 9E-10		6 6E-10		
	Cadmium	0 233	0 0005	I	--	--	(a)	Urinary	0 001	0 05	1 2E-08	0 0005	7 2E-09	0 0003	3 5E-10		8 2E-10		
	Chromium	3 67	0 003	I	--	--	(b)	None	0 002	0 025	3 9E-07	0 005	2 3E-07	0 003	1 1E-08		2 6E-08		
	Cobalt	4 35	0 0003	P	--	--		Endocrine	0 0004	1	9 2E-08	0 0003	5 3E-08	0 0002	2 6E-09		6 1E-09		
	Iron	1817	0 7	P	--	--		Gastrointestinal	0 001	1	9 6E-05	0 0001	5 6E-05	0 00008	2 8E-06		6 4E-06		
	Manganese	419	0 024	S	--	--		Neurological	0 001	0 04	2 2E-05	0 02	1 3E-05	0 01	6 3E-07		1 5E-06		
	Thallium	0 0358	0 00001	X	--	--		Skin, Hair & Nails	0 001	1	1 9E-09	0 0002	1 1E-09	0 0001	5 4E-11		1 3E-10		
	Uranium	0 756	0 0002	A	--	--		Urinary	0 001	1	4 0E-08	0 0002	2 3E-08	0 0001	1 1E-09		2 7E-09		
	Vanadium	5 07	0 00504	S	--	--		Skin, Hair & Nails	0 001	0 026	2 7E-07	0 002	1 6E-07	0 001	7 7E-09		1 8E-08		
										Dermal Total		**0.03**		**0.02**		**2E-09**		**4E-09**	**6E-09**
										Ingestion and Dermal Total		**0.06**		**0.02**		**2E-09**		**6E-09**	**8E-09**

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

Sources: I = IRIS, A = ATSDR, P = PPRTV, S = see RSL table user's guide Section 5, X = Appendix PPRTV Screen

Cardiovascular HI	0 0004	0 0001
Endocrine HI	0 007	0 001
Gastrointestinal HI	0 002	0 0007
Hematologic HI	0 001	0 0004
Nervous HI	0 03	0 01
Skin, Hair & Nails HI	0 005	0 002
Urinary HI	0 004	0 001

Table 108a. Non-Cancer and Cancer Risks from Inhalation of Air for Non-Lead COPCS for the RME: CHIRU

Analyte Name	Air EPC ($\mu g/m^3$)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				TWA
								Child		Adult		Child		Adult		
		iRfC (mg/m^3)	iRfC Source	iUR $(ug/m^3)^{-1}$	iUR Source			EC (mg/m^3)	HQ	EC (mg/m^3)	HQ	EC (ug/m^3)	Risk	EC (ug/m^3)	Risk	
Arsenic	0.0059	1.5E-05	C	0.0043	I		Nervous	5.7E-06	0.4	5.7E-06	0.4	4.8E-04	2E-06	1.6E-03	7E-06	9E-06
Cadmium	0.00201	0.00001	A	0.0018	I	(a)	Urinary	1.9E-06	0.2	1.9E-06	0.2	1.7E-04	3E-07	5.5E-04	1E-06	1E-06
								Total	**0.6**		**0.6**		**2E-06**		**8E-06**	**1E-05**

(a) Based on toxicity values for food.

Total by Target Organ System:

Sources: I = IRIS A = ATSDR C = California EPA

Nervous HQ:	0.4	0.4
Urinary HQ:	0.2	0.2

Table 108b. Non-Cancer and Cancer Risks from Inhalation of Air for Non-Lead COPCS for the CTE: CHIRU

Analyte Name	Air EPC ($\mu g/m^3$)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				TWA
								Child		Adult		Child		Adult		
		iRfC (mg/m^3)	iRfC Source	iUR $(ug/m^3)^{-1}$	iUR Source			EC (mg/m^3)	HQ	EC (mg/m^3)	HQ	EC (ug/m^3)	Risk	EC (ug/m^3)	Risk	
Arsenic	0.0059	1.5E-05	C	0.0043	I		Nervous	4.1E-06	0.3	4.1E-06	0.3	1.2E-04	5E-07	4.7E-04	2E-06	3E-06
Cadmium	0.00201	0.00001	A	0.0018	I	(a)	Urinary	1.4E-06	0.1	1.4E-06	0.1	4.0E-05	7E-08	1.6E-04	3E-07	4E-07
								Total	**0.4**		**0.4**		**6E-07**		**2E-06**	**3E-06**

(a) Based on toxicity values for food.

Total by Target Organ System:

Sources: I = IRIS A = ATSDR C = California EPA

Nervous HQ:	0.3	0.3
Urinary HQ:	0.1	0.1

Table 109. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME CHIRU: Burbot Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*0.697*	mg/kg ww	1	P	--	--		Nervous	9 3E-03	0 009	3 5E-03	0 003	8 0E-04	--	1 0E-03	--	--
	Antimony	*0.0277*	mg/kg ww	0 0004	I	--	--		Hematologic	3 7E-04	0 9	1 4E-04	0 3	3 2E-05	--	4 0E-05	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.0625*	mg/kg ww	0 003	I	--	--	(b)	None	8 3E-04	0 3	3 1E-04	0 1	7 1E-05	--	8 9E-05	--	--
	Mercury	*0.245*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	3 3E-03	30	1 2E-03	10	2 8E-04	--	3 5E-04	--	--
	Selenium	*0.357*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	4 8E-03	1	1 8E-03	0 4	4 1E-04	--	5 1E-04	--	--
	Thallium	*0.00733*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	9 8E-05	10	3 7E-05	4	8 4E-06	--	1 0E-05	--	--
	Zirconium	*0.00214*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	2 9E-05	0 4	1 1E-05	0 1	2 4E-06	--	3 1E-06	--	--
Pesticides	4,4'-DDE	*0.00102*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	1 4E-05	0 05	5 1E-06	0 02	1 2E-06	4E-07	1 5E-06	5E-07	9E-07
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*ND*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
PBDEs	PBDE-47	*0.00159*	mg/kg ww	0 0001	I	--	--		Nervous	2 1E-05	0 2	8 0E-06	0 08	1 8E-06	--	2 3E-06	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		20		6		1E-04		2E-04	3E-04
	Dioxin/Furan TEQ only	*0.000000604*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	8 1E-09	*10*	3 0E-09	*4*	6 9E-10	*9E-05*	8 6E-10	*1E-04*	*2E-04*
	PCB TEQ only	*0.000000275*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	3 7E-09	*5*	1 4E-09	*2*	3 1E-10	*4E-05*	3 9E-10	*5E-05*	*9E-05*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00189*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	2 5E-05	--	9 5E-06	--	2 2E-06	*4E-06*	2 7E-06	*5E-06*	*1E-05*
									Consumption Total		**60**		**20**		**1E-04**		**2E-04**	**3E-04**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 4	0 1
Developmental HI	30	10
Endocrine HI	0 4	0 1
Gastrointestinal HI	0 05	0 02
Hematologic HI	2	0 7
Nervous HI	30	10
Reproductive HI	20	6
Skin, Hair & Nails HI	10	4

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 110. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME CHIRU: Kokanee Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.698*	mg/kg ww	1	P	--	--		Nervous	9 3E-03	0 009	3 5E-03	0 003	8 0E-04	--	1 0E-03	--	--
	Antimony	*0.0106*	mg/kg ww	0 0004	I	--	--		Hematologic	1 4E-04	0 4	5 3E-05	0 1	1 2E-05	--	1 5E-05	--	--
	Inorganic Arsenic	*0.00387*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	5 2E-05	0 2	1 9E-05	0 06	4 4E-06	7E-06	5 5E-06	8E-06	1E-05
	Chromium	*0.0665*	mg/kg ww	0 003	I	--	--	(b)	None	8 9E-04	0 3	3 3E-04	0 1	7 6E-05	--	9 5E-05	--	--
	Mercury	*0.0652*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	8 7E-04	9	3 3E-04	3	7 5E-05	--	9 3E-05	--	--
	Selenium	*0.286*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	3 8E-03	0 8	1 4E-03	0 3	3 3E-04	--	4 1E-04	--	--
	Thallium	*0.0294*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	3 9E-04	40	1 5E-04	10	3 4E-05	--	4 2E-05	--	--
	Zirconium	*0.00763*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	1 0E-04	1	3 8E-05	0 5	8 7E-06	--	1 1E-05	--	--
Pesticides	4,4'-DDE	*0.00237*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	3 2E-05	0 1	1 2E-05	0 04	2 7E-06	9E-07	3 4E-06	1E-06	2E-06
	Dieldrin	*0.00027*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	3 6E-06	0 07	1 4E-06	0 03	3 1E-07	5E-06	3 9E-07	6E-06	1E-05
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00136*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	1 8E-05	0 02	6 8E-06	0 009	1 6E-06	2E-06	1 9E-06	3E-06	6E-06
PBDEs	PBDE-47	*0.00265*	mg/kg ww	0 0001	I	--	--		Nervous	3 5E-05	0 4	1 3E-05	0 1	3 0E-06	--	3 8E-06	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		10		4		8E-05		1E-04	2E-04
	Dioxin/Furan TEQ only	*0.000000187*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	2 5E-09	*4*	9 3E-10	*1*	2 1E-10	*3E-05*	2 7E-10	*3E-05*	*6E-05*
	PCB TEQ only	*0.000000375*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	5 0E-09	*7*	1 9E-09	*3*	4 3E-10	*6E-05*	5 4E-10	*7E-05*	*1E-04*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00772*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	1 0E-04	--	3 9E-05	--	8 8E-06	*2E-05*	1 1E-05	*2E-05*	*4E-05*
									Consumption Total		**60**		**20**		**1E-04**		**1E-04**	**2E-04**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	1	0 5
Developmental HI	9	3
Endocrine HI	1	0 5
Gastrointestinal HI	0 2	0 08
Hematologic HI	1	0 4
Nervous HI	10	4
Reproductive HI	10	4
Skin, Hair & Nails HI	40	20

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 111. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME CHIRU: Northern Pike Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*0.434*	mg/kg ww	1	P	--	--		Nervous	5 8E-03	0 006	2 2E-03	0 002	5 0E-04	--	6 2E-04	--	--
	Antimony	*0.00103*	mg/kg ww	0 0004	I	--	--		Hematologic	1 4E-05	0 03	5 2E-06	0 01	1 2E-06	--	1 5E-06	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.114*	mg/kg ww	0 003	I	--	--	(b)	None	1 5E-03	0 5	5 7E-04	0 2	1 3E-04	--	1 6E-04	--	--
	Mercury	*0.122*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	1 6E-03	20	6 1E-04	6	1 4E-04	--	1 7E-04	--	--
	Selenium	*0.647*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	8 6E-03	2	3 2E-03	0 6	7 4E-04	--	9 2E-04	--	--
	Thallium	*0.0131*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	1 7E-04	20	6 6E-05	7	1 5E-05	--	1 9E-05	--	--
	Zirconium	*NA*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	NA	NA	NA	NA	NA	--	NA	--	--
Pesticides	4,4'-DDE	*NA*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dieldrin	*NA*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	*NA*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOC	bis(2-Ethylhexyl)phthalate	*NA*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	*NA*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
PBDEs	PBDE-47	*NA*	mg/kg ww	0 0001	I	--	--		Nervous	NA	NA	NA	NA	NA	--	NA	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		NA		NA		NA		NA	NA
	Dioxin/Furan TEQ only	*NA*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	NA	*NA*	NA	*NA*	NA	*NA*	NA	*NA*	*NA*
	PCB TEQ only	*NA*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	NA	*NA*	NA	*NA*	NA	*NA*	NA	*NA*	*NA*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
									Consumption Total		**40**		**10**		**ND**		**ND**	**ND**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	ND	ND
Developmental HI	20	6
Endocrine HI	NA	NA
Gastrointestinal HI	NA	NA
Hematologic HI	2	0 7
Nervous HI	20	7
Reproductive HI	NA	NA
Skin, Hair & Nails HI	20	7

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 112. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME CHIRU: Rainbow Trout Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*0.667*	mg/kg ww	1	P	--	--		Nervous	8 9E-03	0 009	3 3E-03	0 003	7 6E-04	--	9 5E-04	--	--
	Antimony	*0.0129*	mg/kg ww	0 0004	I	--	--		Hematologic	1 7E-04	0 4	6 5E-05	0 2	1 5E-05	--	1 8E-05	--	--
	Inorganic Arsenic	*0.00398*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	5 3E-05	0 2	2 0E-05	0 07	4 5E-06	7E-06	5 7E-06	9E-06	2E-05
	Chromium	*0.273*	mg/kg ww	0 003	I	--	--	(b)	None	3 6E-03	1	1 4E-03	0 5	3 1E-04	--	3 9E-04	--	--
	Mercury	*0.0847*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	1 1E-03	10	4 2E-04	4	9 7E-05	--	1 2E-04	--	--
	Selenium	*0.339*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	4 5E-03	0 9	1 7E-03	0 3	3 9E-04	--	4 8E-04	--	--
	Thallium	*0.025*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	3 3E-04	30	1 3E-04	10	2 9E-05	--	3 6E-05	--	--
	Zirconium	*0.00586*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	7 8E-05	1	2 9E-05	0 4	6 7E-06	--	8 4E-06	--	--
Pesticides	4,4'-DDE	*0.00755*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	1 0E-04	0 3	3 8E-05	0 1	8 6E-06	3E-06	1 1E-05	4E-06	7E-06
	Dieldrin	*0.00023*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	3 1E-06	0 06	1 2E-06	0 02	2 6E-07	4E-06	3 3E-07	5E-06	9E-06
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00146*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	1 9E-05	0 02	7 3E-06	0 009	1 7E-06	3E-06	2 1E-06	3E-06	6E-06
PBDEs	PBDE-47	*0.0077*	mg/kg ww	0 0001	I	--	--		Nervous	1 0E-04	1	3 9E-05	0 4	8 8E-06	--	1 1E-05	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		20		7		1E-04		2E-04	3E-04
	Dioxin/Furan TEQ only	*0.000000604*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	8 1E-09	*10*	3 0E-09	*4*	6 9E-10	*9E-05*	8 6E-10	*1E-04*	*2E-04*
	PCB TEQ only	*0.000000356*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	4 7E-09	*7*	1 8E-09	*3*	4 1E-10	*5E-05*	5 1E-10	*7E-05*	*1E-04*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		5E-05		6E-05	1E-04
	as Aroclor	*0.0187*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	2 5E-04	--	9 4E-05	--	2 1E-05	*4E-05*	2 7E-05	*5E-05*	*1E-04*
	as PCB Congener Sum	*0.021*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	2 8E-04	--	1 1E-04	--	2 4E-05	*5E-05*	3 0E-05	*6E-05*	*1E-04*
									Consumption Total		**70**		**30**		**2E-04**		**3E-04**	**5E-04**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	1	0 4
Developmental HI	10	4
Endocrine HI	1	0 4
Gastrointestinal HI	0 4	0 2
Hematologic HI	1	0 5
Nervous HI	10	5
Reproductive HI	20	7
Skin, Hair & Nails HI	30	10

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 113. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME CHIRU: Smallmouth Bass Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.548*	mg/kg ww	1	P	--	--		Nervous	7 3E-03	0 007	2 7E-03	0 003	6 3E-04	--	7 8E-04	--	--
	Antimony	*0.00932*	mg/kg ww	0 0004	I	--	--		Hematologic	1 2E-04	0 3	4 7E-05	0 1	1 1E-05	--	1 3E-05	--	--
	Inorganic Arsenic	*0.0051*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	6 8E-05	0 2	2 6E-05	0 09	5 8E-06	9E-06	7 3E-06	1E-05	2E-05
	Chromium	*0.111*	mg/kg ww	0 003	I	--	--	(b)	None	1 5E-03	0 5	5 6E-04	0 2	1 3E-04	--	1 6E-04	--	--
	Mercury	*0.173*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	2 3E-03	20	8 7E-04	9	2 0E-04	--	2 5E-04	--	--
	Selenium	*0.471*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	6 3E-03	1	2 4E-03	0 5	5 4E-04	--	6 7E-04	--	--
	Thallium	*0.0258*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	3 4E-04	30	1 3E-04	10	2 9E-05	--	3 7E-05	--	--
	Zirconium	*0.00173*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	2 3E-05	0 3	8 7E-06	0 1	2 0E-06	--	2 5E-06	--	--
Pesticides	4,4'-DDE	*0.0032*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	4 3E-05	0 1	1 6E-05	0 05	3 7E-06	1E-06	4 6E-06	2E-06	3E-06
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.001*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	1 3E-05	0 02	5 0E-06	0 006	1 1E-06	2E-06	1 4E-06	2E-06	4E-06
PBDEs	PBDE-47	*0.00745*	mg/kg ww	0 0001	I	--	--		Nervous	9 9E-05	1	3 7E-05	0 4	8 5E-06	--	1 1E-05	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		20		8		2E-04		2E-04	4E-04
	Dioxin/Furan TEQ only	*0.000000753*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 0E-08	*10*	3 8E-09	*5*	8 6E-10	*1E-04*	1 1E-09	*1E-04*	*3E-04*
	PCB TEQ only	*0.000000307*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	4 1E-09	*6*	1 5E-09	*2*	3 5E-10	*5E-05*	4 4E-10	*6E-05*	*1E-04*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0072*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	9 6E-05	--	3 6E-05	--	8 2E-06	*2E-05*	1 0E-05	*2E-05*	*4E-05*
									Consumption Total		**80**		**30**		**2E-04**		**2E-04**	**4E-04**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 5	0 2
Developmental HI	20	9
Endocrine HI	0 3	0 1
Gastrointestinal HI	0 2	0 06
Hematologic HI	2	0 6
Nervous HI	30	9
Reproductive HI	20	8
Skin, Hair & Nails HI	40	10

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 114. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME CHIRU: Sturgeon Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*0.712*	mg/kg ww	1	P	--	--		Nervous	9 5E-03	0 009	3 6E-03	0 004	8 1E-04	--	1 0E-03	--	--
	Antimony	*ND*	mg/kg ww	0 0004	I	--	--		Hematologic	ND	ND	ND	ND	ND	--	ND	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.0938*	mg/kg ww	0 003	I	--	--	(b)	None	1 3E-03	0 4	4 7E-04	0 2	1 1E-04	--	1 3E-04	--	--
	Mercury	*0.0946*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	1 3E-03	10	4 7E-04	5	1 1E-04	--	1 4E-04	--	--
	Selenium	*1.14*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	1 5E-02	3	5 7E-03	1	1 3E-03	--	1 6E-03	--	--
	Thallium	*0.00384*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	5 1E-05	5	1 9E-05	2	4 4E-06	--	5 5E-06	--	--
	Zirconium	*NA*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	NA	NA	NA	NA	NA	--	NA	--	--
Pesticides	4,4'-DDE	*NA*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dieldrin	*NA*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	*NA*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOC	bis(2-Ethylhexyl)phthalate	*NA*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	*NA*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
PBDEs	PBDE-47	*0.00238*	mg/kg ww	0 0001	I	--	--		Nervous	3 2E-05	0 3	1 2E-05	0 1	2 7E-06	--	3 4E-06	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		8		3		6E-05		8E-05	1E-04
	Dioxin/Furan TEQ only	*0.000000177*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	2 4E-09	*3*	8 8E-10	*1*	2 0E-10	*3E-05*	2 5E-10	*3E-05*	*6E-05*
	PCB TEQ only	*0.000000235*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	3 1E-09	*4*	1 2E-09	*2*	2 7E-10	*3E-05*	3 4E-10	*4E-05*	*8E-05*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00871*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	1 2E-04	--	4 4E-05	--	1 0E-05	*2E-05*	1 2E-05	*2E-05*	*4E-05*
									Consumption Total		**30**		**10**		**6E-05**		**8E-05**	**1E-04**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	ND	ND
Developmental HI	10	5
Endocrine HI	NA	NA
Gastrointestinal HI	NA	NA
Hematologic HI	3	1
Nervous HI	20	6
Reproductive HI	8	3
Skin, Hair & Nails HI	8	3

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 115. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME CHIRU: Sucker Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*1.11*	mg/kg ww	1	P	--	--		Nervous	1 5E-02	0 01	5 5E-03	0 006	1 3E-03	--	1 6E-03	--	--
	Antimony	*0.0106*	mg/kg ww	0 0004	I	--	--		Hematologic	1 4E-04	0 4	5 3E-05	0 1	1 2E-05	--	1 5E-05	--	--
	Inorganic Arsenic	*0.00492*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	6 6E-05	0 2	2 5E-05	0 08	5 6E-06	8E-06	7 0E-06	1E-05	2E-05
	Chromium	*0.112*	mg/kg ww	0 003	I	--	--	(b)	None	1 5E-03	0 5	5 6E-04	0 2	1 3E-04	--	1 6E-04	--	--
	Mercury	*0.296*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	3 9E-03	40	1 5E-03	10	3 4E-04	--	4 2E-04	--	--
	Selenium	*0.296*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	3 9E-03	0 8	1 5E-03	0 3	3 4E-04	--	4 2E-04	--	--
	Thallium	*0.0134*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	1 8E-04	20	6 7E-05	7	1 5E-05	--	1 9E-05	--	--
	Zirconium	*0.00225*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	3 0E-05	0 4	1 1E-05	0 1	2 6E-06	--	3 2E-06	--	--
Pesticides	4,4'-DDE	*0.0167*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	2 2E-04	0 7	8 4E-05	0 3	1 9E-05	6E-06	2 4E-05	8E-06	1E-05
	Dieldrin	*0.000253*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	3 4E-06	0 07	1 3E-06	0 03	2 9E-07	5E-06	3 6E-07	6E-06	1E-05
	Heptachlor epoxide	*0.000368*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	4 9E-06	0 4	1 8E-06	0 1	4 2E-07	4E-06	5 3E-07	5E-06	9E-06
SVOC	bis(2-Ethylhexyl)phthalate	*0.49*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	6 5E-03	0 3	2 5E-03	0 1	5 6E-04	8E-06	7 0E-04	1E-05	2E-05
	Hexachlorobenzene	*0.00215*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	2 9E-05	0 04	1 1E-05	0 01	2 5E-06	4E-06	3 1E-06	5E-06	9E-06
PBDEs	PBDE-47	*0.028*	mg/kg ww	0 0001	I	--	--		Nervous	3 7E-04	4	1 4E-04	1	3 2E-05	--	4 0E-05	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		30		10		2E-04		3E-04	5E-04
	Dioxin/Furan TEQ only	*0.00000107*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 4E-08	*20*	5 3E-09	*8*	1 2E-09	*2E-04*	1 5E-09	*2E-04*	*4E-04*
	PCB TEQ only	*0.000000356*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	4 7E-09	*7*	1 8E-09	*3*	4 1E-10	*5E-05*	5 1E-10	*7E-05*	*1E-04*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0596*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	7 9E-04	--	3 0E-04	--	6 8E-05	*1E-04*	8 5E-05	*2E-04*	*3E-04*
									Consumption Total		**90**		**30**		**2E-04**		**3E-04**	**6E-04**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 6	0 2
Developmental HI	40	10
Endocrine HI	0 4	0 1
Gastrointestinal HI	2	0 6
Hematologic HI	1	0 4
Nervous HI	40	20
Reproductive HI	30	10
Skin, Hair & Nails HI	20	7

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 116. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME CHIRU: Walleye Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*30.8*	mg/kg ww	1	P	--	--		Nervous	4 1E-01	0 4	1 5E-01	0 2	3 5E-02	--	4 4E-02	--	--
	Antimony	*0.011*	mg/kg ww	0 0004	I	--	--		Hematologic	1 5E-04	0 4	5 5E-05	0 1	1 3E-05	--	1 6E-05	--	--
	Inorganic Arsenic	*0.00528*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	7 0E-05	0 2	2 6E-05	0 09	6 0E-06	9E-06	7 5E-06	1E-05	2E-05
	Chromium	*0.321*	mg/kg ww	0 003	I	--	--	(b)	None	4 3E-03	1	1 6E-03	0 5	3 7E-04	--	4 6E-04	--	--
	Mercury	*0.179*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	2 4E-03	20	9 0E-04	9	2 0E-04	--	2 6E-04	--	--
	Selenium	*0.361*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	4 8E-03	1	1 8E-03	0 4	4 1E-04	--	5 2E-04	--	--
	Thallium	*0.0368*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	4 9E-04	50	1 8E-04	20	4 2E-05	--	5 3E-05	--	--
	Zirconium	*0.0786*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	1 0E-03	10	3 9E-04	5	9 0E-05	--	1 1E-04	--	--
Pesticides	4,4'-DDE	*0.00128*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	1 7E-05	0 06	6 4E-06	0 02	1 5E-06	5E-07	1 8E-06	6E-07	1E-06
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*0.22*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	2 9E-03	0 1	1 1E-03	0 06	2 5E-04	4E-06	3 1E-04	4E-06	8E-06
	Hexachlorobenzene	*0.0012*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	1 6E-05	0 02	6 0E-06	0 008	1 4E-06	2E-06	1 7E-06	3E-06	5E-06
PBDEs	PBDE-47	*0.00351*	mg/kg ww	0 0001	I	--	--		Nervous	4 7E-05	0 5	1 8E-05	0 2	4 0E-06	--	5 0E-06	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		8		3		6E-05		8E-05	1E-04
	Dioxin/Furan TEQ only	*0.000000187*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	2 5E-09	*4*	9 4E-10	*1*	2 1E-10	*3E-05*	2 7E-10	*3E-05*	*6E-05*
	PCB TEQ only	*0.000000242*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	3 2E-09	*5*	1 2E-09	*2*	2 8E-10	*4E-05*	3 5E-10	*5E-05*	*8E-05*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		1E-05		2E-05	3E-05
	as Aroclor	*0.00505*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	6 7E-05	--	2 5E-05	--	5 8E-06	*1E-05*	7 2E-06	*1E-05*	*3E-05*
	as PCB Congener Sum	*0.00624*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	8 3E-05	--	3 1E-05	--	7 1E-06	*1E-05*	8 9E-06	*2E-05*	*3E-05*
									Consumption Total		**100**		**40**		**9E-05**		**1E-04**	**2E-04**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	10	5
Developmental HI	20	9
Endocrine HI	10	5
Gastrointestinal HI	0 2	0 08
Hematologic HI	1	0 5
Nervous HI	30	10
Reproductive HI	8	3
Skin, Hair & Nails HI	50	20

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 117. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the RME CHIRU: Whitefish Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*1.86*	mg/kg ww	1	P	--	--		Nervous	2 5E-02	0 02	9 3E-03	0 009	2 1E-03	--	2 7E-03	--	--
	Antimony	*0.00613*	mg/kg ww	0 0004	I	--	--		Hematologic	8 2E-05	0 2	3 1E-05	0 08	7 0E-06	--	8 8E-06	--	--
	Inorganic Arsenic	*0.00716*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	9 5E-05	0 3	3 6E-05	0 1	8 2E-06	1E-05	1 0E-05	2E-05	3E-05
	Chromium	*0.0512*	mg/kg ww	0 003	I	--	--	(b)	None	6 8E-04	0 2	2 6E-04	0 09	5 9E-05	--	7 3E-05	--	--
	Mercury	*0.0973*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	1 3E-03	10	4 9E-04	5	1 1E-04	--	1 4E-04	--	--
	Selenium	*0.303*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	4 0E-03	0 8	1 5E-03	0 3	3 5E-04	--	4 3E-04	--	--
	Thallium	*0.0164*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	2 2E-04	20	8 2E-05	8	1 9E-05	--	2 3E-05	--	--
	Zirconium	*0.0128*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	1 7E-04	2	6 4E-05	0 8	1 5E-05	--	1 8E-05	--	--
Pesticides	4,4'-DDE	*0.00574*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	7 7E-05	0 3	2 9E-05	0 1	6 6E-06	2E-06	8 2E-06	3E-06	5E-06
	Dieldrin	*0.000327*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	4 4E-06	0 09	1 6E-06	0 03	3 7E-07	6E-06	4 7E-07	7E-06	1E-05
	Heptachlor epoxide	*0.00045*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	6 0E-06	0 5	2 3E-06	0 2	5 1E-07	5E-06	6 4E-07	6E-06	1E-05
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00257*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	3 4E-05	0 04	1 3E-05	0 02	2 9E-06	5E-06	3 7E-06	6E-06	1E-05
PBDEs	PBDE-47	*0.0182*	mg/kg ww	0 0001	I	--	--		Nervous	2 4E-04	2	9 1E-05	0 9	2 1E-05	--	2 6E-05	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		30		10		2E-04		3E-04	5E-04
	Dioxin/Furan TEQ only	*0.000000819*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 1E-08	*20*	4 1E-09	*6*	9 4E-10	*1E-04*	1 2E-09	*2E-04*	*3E-04*
	PCB TEQ only	*0.000000684*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	9 1E-09	*10*	3 4E-09	*5*	7 8E-10	*1E-04*	9 8E-10	*1E-04*	*2E-04*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0234*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	3 1E-04	--	1 2E-04	--	2 7E-05	*5E-05*	3 3E-05	*7E-05*	*1E-04*
									Consumption Total		**70**		**30**		**3E-04**		**3E-04**	**6E-04**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	2	0 9
Developmental HI	10	5
Endocrine HI	2	0 8
Gastrointestinal HI	0 8	0 3
Hematologic HI	1	0 4
Nervous HI	20	6
Reproductive HI	30	10
Skin, Hair & Nails HI	20	9

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 118. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE CHIRU: Burbot Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.697*	mg/kg ww	1	P	--	--		Nervous	1 9E-03	0 002	7 0E-04	0 0007	5 3E-05	--	8 0E-05	--	--
	Antimony	*0.0277*	mg/kg ww	0 0004	I	--	--		Hematologic	7 4E-05	0 2	2 8E-05	0 07	2 1E-06	--	3 2E-06	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.0625*	mg/kg ww	0 003	I	--	--	(b)	None	1 7E-04	0 06	6 3E-05	0 02	4 8E-06	--	7 1E-06	--	--
	Mercury	*0.245*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	6 5E-04	7	2 5E-04	2	1 9E-05	--	2 8E-05	--	--
	Selenium	*0.357*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	9 5E-04	0 2	3 6E-04	0 07	2 7E-05	--	4 1E-05	--	--
	Thallium	*0.00733*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	2 0E-05	2	7 3E-06	0 7	5 6E-07	--	8 4E-07	--	--
	Zirconium	*0.00214*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	5 7E-06	0 07	2 1E-06	0 03	1 6E-07	--	2 4E-07	--	--
Pesticides	4,4'-DDE	*0.00102*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	2 7E-06	0 009	1 0E-06	0 003	7 8E-08	3E-08	1 2E-07	4E-08	7E-08
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*ND*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
PBDEs	PBDE-47	*0.00159*	mg/kg ww	0 0001	I	--	--		Nervous	4 2E-06	0 04	1 6E-06	0 02	1 2E-07	--	1 8E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		3		1		9E-06		1E-05	2E-05
	Dioxin/Furan TEQ only	*0.000000604*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 6E-09	*2*	6 0E-10	*0.9*	4 6E-11	*6E-06*	6 9E-11	*9E-06*	*1E-05*
	PCB TEQ only	*0.000000275*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	7 3E-10	*1*	2 8E-10	*0.4*	2 1E-11	*3E-06*	3 1E-11	*4E-06*	*7E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00189*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	5 0E-06	--	1 9E-06	--	1 4E-07	*3E-07*	2 2E-07	*4E-07*	*7E-07*
									Consumption Total		**10**		**5**		**9E-06**		**1E-05**	**2E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 07	0 03
Developmental HI	7	2
Endocrine HI	0 07	0 03
Gastrointestinal HI	0 009	0 003
Hematologic HI	0 4	0 1
Nervous HI	7	3
Reproductive HI	3	1
Skin, Hair & Nails HI	2	0 8

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 119. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE CHIRU: Kokanee Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.698*	mg/kg ww	1	P	--	--		Nervous	1 9E-03	0 002	7 0E-04	0 0007	5 3E-05	--	8 0E-05	--	--
	Antimony	*0.0106*	mg/kg ww	0 0004	I	--	--		Hematologic	2 8E-05	0 07	1 1E-05	0 03	8 1E-07	--	1 2E-06	--	--
	Inorganic Arsenic	*0.00387*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	1 0E-05	0 03	3 9E-06	0 01	2 9E-07	4E-07	4 4E-07	7E-07	1E-06
	Chromium	*0.0665*	mg/kg ww	0 003	I	--	--	(b)	None	1 8E-04	0 06	6 7E-05	0 02	5 1E-06	--	7 6E-06	--	--
	Mercury	*0.0652*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	1 7E-04	2	6 5E-05	0 7	5 0E-06	--	7 5E-06	--	--
	Selenium	*0.286*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	7 6E-04	0 2	2 9E-04	0 06	2 2E-05	--	3 3E-05	--	--
	Thallium	*0.0294*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	7 8E-05	8	2 9E-05	3	2 2E-06	--	3 4E-06	--	--
	Zirconium	*0.00763*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	2 0E-05	0 3	7 6E-06	0 1	5 8E-07	--	8 7E-07	--	--
Pesticides	4,4'-DDE	*0.00237*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	6 3E-06	0 02	2 4E-06	0 008	1 8E-07	6E-08	2 7E-07	9E-08	2E-07
	Dieldrin	*0.00027*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	7 2E-07	0 01	2 7E-07	0 005	2 1E-08	3E-07	3 1E-08	5E-07	8E-07
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00136*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	3 6E-06	0 005	1 4E-06	0 002	1 0E-07	2E-07	1 6E-07	2E-07	4E-07
PBDEs	PBDE-47	*0.00265*	mg/kg ww	0 0001	I	--	--		Nervous	7 1E-06	0 07	2 7E-06	0 03	2 0E-07	--	3 0E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		2		0 8		6E-06		8E-06	1E-05
	Dioxin/Furan TEQ only	*0.000000187*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	5 0E-10	*0.7*	1 9E-10	*0.3*	1 4E-11	*2E-06*	2 1E-11	*3E-06*	*5E-06*
	PCB TEQ only	*0.000000375*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 0E-09	*1*	3 8E-10	*0.5*	2 9E-11	*4E-06*	4 3E-11	*6E-06*	*9E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00772*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	2 1E-05	--	7 7E-06	--	5 9E-07	*1E-06*	8 8E-07	*2E-06*	*3E-06*
									Consumption Total		**10**		**5**		**7E-06**		**1E-05**	**2E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 3	0 1
Developmental HI	2	0 7
Endocrine HI	0 3	0 1
Gastrointestinal HI	0 04	0 02
Hematologic HI	0 2	0 08
Nervous HI	2	0 7
Reproductive HI	2	0 8
Skin, Hair & Nails HI	8	3

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 120. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE CHIRU: Northern Pike Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*0.434*	mg/kg ww	1	P	--	--		Nervous	1 2E-03	0 001	4 3E-04	0 0004	3 3E-05	--	5 0E-05	--	--
	Antimony	*0.00103*	mg/kg ww	0 0004	I	--	--		Hematologic	2 7E-06	0 007	1 0E-06	0 003	7 8E-08	--	1 2E-07	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.114*	mg/kg ww	0 003	I	--	--	(b)	None	3 0E-04	0 1	1 1E-04	0 04	8 7E-06	--	1 3E-05	--	--
	Mercury	*0.122*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	3 3E-04	3	1 2E-04	1	9 3E-06	--	1 4E-05	--	--
	Selenium	*0.647*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	1 7E-03	0 3	6 5E-04	0 1	4 9E-05	--	7 4E-05	--	--
	Thallium	*0.0131*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	3 5E-05	3	1 3E-05	1	1 0E-06	--	1 5E-06	--	--
	Zirconium	*NA*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	NA	NA	NA	NA	NA	--	NA	--	--
Pesticides	4,4'-DDE	*NA*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dieldrin	*NA*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	*NA*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOC	bis(2-Ethylhexyl)phthalate	*NA*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	*NA*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
PBDEs	PBDE-47	*NA*	mg/kg ww	0 0001	I	--	--		Nervous	NA	NA	NA	NA	NA	--	NA	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		NA		NA		NA		NA	NA
	Dioxin/Furan TEQ only	*NA*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	NA	*NA*	NA	*NA*	NA	*NA*	NA	*NA*	*NA*
	PCB TEQ only	*NA*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	NA	*NA*	NA	*NA*	NA	*NA*	NA	*NA*	*NA*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
									Consumption Total		**7**		**3**		**ND**		**ND**	**ND**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	ND	ND
Developmental HI	3	1
Endocrine HI	NA	NA
Gastrointestinal HI	NA	NA
Hematologic HI	0 4	0 1
Nervous HI	4	1
Reproductive HI	NA	NA
Skin, Hair & Nails HI	4	1

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 121. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE CHIRU: Rainbow Trout Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*0.667*	mg/kg ww	1	P	--	--		Nervous	1 8E-03	0 002	6 7E-04	0 0007	5 1E-05	--	7 6E-05	--	--
	Antimony	*0.0129*	mg/kg ww	0 0004	I	--	--		Hematologic	3 4E-05	0 09	1 3E-05	0 03	9 8E-07	--	1 5E-06	--	--
	Inorganic Arsenic	*0.00398*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	1 1E-05	0 04	4 0E-06	0 01	3 0E-07	5E-07	4 5E-07	7E-07	1E-06
	Chromium	*0.273*	mg/kg ww	0 003	I	--	--	(b)	None	7 3E-04	0 2	2 7E-04	0 09	2 1E-05	--	3 1E-05	--	--
	Mercury	*0.0847*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	2 3E-04	2	8 5E-05	0 8	6 5E-06	--	9 7E-06	--	--
	Selenium	*0.339*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	9 0E-04	0 2	3 4E-04	0 07	2 6E-05	--	3 9E-05	--	--
	Thallium	*0.025*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	6 7E-05	7	2 5E-05	3	1 9E-06	--	2 9E-06	--	--
	Zirconium	*0.00586*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	1 6E-05	0 2	5 9E-06	0 07	4 5E-07	--	6 7E-07	--	--
Pesticides	4,4'-DDE	*0.00755*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	2 0E-05	0 07	7 6E-06	0 03	5 8E-07	2E-07	8 6E-07	3E-07	5E-07
	Dieldrin	*0.00023*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	6 1E-07	0 01	2 3E-07	0 005	1 8E-08	3E-07	2 6E-08	4E-07	7E-07
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00146*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	3 9E-06	0 005	1 5E-06	0 002	1 1E-07	2E-07	1 7E-07	3E-07	4E-07
PBDEs	PBDE-47	*0.0077*	mg/kg ww	0 0001	I	--	--		Nervous	2 1E-05	0 2	7 7E-06	0 08	5 9E-07	--	8 8E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		4		1		1E-05		1E-05	2E-05
	Dioxin/Furan TEQ only	*0.000000604*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 6E-09	*2*	6 0E-10	*0.9*	4 6E-11	*6E-06*	6 9E-11	*9E-06*	*1E-05*
	PCB TEQ only	*0.000000356*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	9 5E-10	*1*	3 6E-10	*0.5*	2 7E-11	*4E-06*	4 1E-11	*5E-06*	*9E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		3E-06		5E-06	8E-06
	as Aroclor	*0.0187*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	5 0E-05	--	1 9E-05	--	1 4E-06	*3E-06*	2 1E-06	*4E-06*	*7E-06*
	as PCB Congener Sum	*0.021*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	5 6E-05	--	2 1E-05	--	1 6E-06	*3E-06*	2 4E-06	*5E-06*	*8E-06*
									Consumption Total		**10**		**5**		**1E-05**		**2E-05**	**3E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 2	0 09
Developmental HI	2	0 8
Endocrine HI	0 2	0 07
Gastrointestinal HI	0 08	0 03
Hematologic HI	0 3	0 1
Nervous HI	3	1
Reproductive HI	4	1
Skin, Hair & Nails HI	7	3

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 122. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE CHIRU: Smallmouth Bass Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*0.548*	mg/kg ww	1	P	--	--		Nervous	1 5E-03	0 001	5 5E-04	0 0005	4 2E-05	--	6 3E-05	--	--
	Antimony	*0.00932*	mg/kg ww	0 0004	I	--	--		Hematologic	2 5E-05	0 06	9 3E-06	0 02	7 1E-07	--	1 1E-06	--	--
	Inorganic Arsenic	*0.0051*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	1 4E-05	0 05	5 1E-06	0 02	3 9E-07	6E-07	5 8E-07	9E-07	1E-06
	Chromium	*0.111*	mg/kg ww	0 003	I	--	--	(b)	None	3 0E-04	0 1	1 1E-04	0 04	8 5E-06	--	1 3E-05	--	--
	Mercury	*0.173*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	4 6E-04	5	1 7E-04	2	1 3E-05	--	2 0E-05	--	--
	Selenium	*0.471*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	1 3E-03	0 3	4 7E-04	0 09	3 6E-05	--	5 4E-05	--	--
	Thallium	*0.0258*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	6 9E-05	7	2 6E-05	3	2 0E-06	--	2 9E-06	--	--
	Zirconium	*0.00173*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	4 6E-06	0 06	1 7E-06	0 02	1 3E-07	--	2 0E-07	--	--
Pesticides	4,4'-DDE	*0.0032*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	8 5E-06	0 03	3 2E-06	0 01	2 4E-07	8E-08	3 7E-07	1E-07	2E-07
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.001*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	2 7E-06	0 003	1 0E-06	0 001	7 6E-08	1E-07	1 1E-07	2E-07	3E-07
PBDEs	PBDE-47	*0.00745*	mg/kg ww	0 0001	I	--	--		Nervous	2 0E-05	0 2	7 5E-06	0 07	5 7E-07	--	8 5E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		4		2		1E-05		2E-05	3E-05
	Dioxin/Furan TEQ only	*0.000000753*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	2 0E-09	*3*	7 5E-10	*1*	5 7E-11	*7E-06*	8 6E-11	*1E-05*	*2E-05*
	PCB TEQ only	*0.000000307*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	8 2E-10	*1*	3 1E-10	*0.4*	2 3E-11	*3E-06*	3 5E-11	*5E-06*	*8E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0072*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	1 9E-05	--	7 2E-06	--	5 5E-07	*1E-06*	8 2E-07	*2E-06*	*3E-06*
									Consumption Total		**20**		**6**		**1E-05**		**2E-05**	**3E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 1	0 04
Developmental HI	5	2
Endocrine HI	0 06	0 02
Gastrointestinal HI	0 03	0 01
Hematologic HI	0 3	0 1
Nervous HI	5	2
Reproductive HI	4	2
Skin, Hair & Nails HI	7	3

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 123. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE CHIRU: Sturgeon Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*0.712*	mg/kg ww	1	P	--	--		Nervous	1 9E-03	0 002	7 1E-04	0 0007	5 4E-05	--	8 1E-05	--	--
	Antimony	*ND*	mg/kg ww	0 0004	I	--	--		Hematologic	ND	ND	ND	ND	ND	--	ND	--	--
	Inorganic Arsenic	*ND*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	*0.0938*	mg/kg ww	0 003	I	--	--	(b)	None	2 5E-04	0 08	9 4E-05	0 03	7 1E-06	--	1 1E-05	--	--
	Mercury	*0.0946*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	2 5E-04	3	9 5E-05	0 9	7 2E-06	--	1 1E-05	--	--
	Selenium	*1.14*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	3 0E-03	0 6	1 1E-03	0 2	8 7E-05	--	1 3E-04	--	--
	Thallium	*0.00384*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	1 0E-05	1	3 8E-06	0 4	2 9E-07	--	4 4E-07	--	--
	Zirconium	*NA*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	NA	NA	NA	NA	NA	--	NA	--	--
Pesticides	4,4'-DDE	*NA*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dieldrin	*NA*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	*NA*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOC	bis(2-Ethylhexyl)phthalate	*NA*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	*NA*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	NA	NA	NA	NA	NA	NA	NA	NA	NA
PBDEs	PBDE-47	*0.00238*	mg/kg ww	0 0001	I	--	--		Nervous	6 3E-06	0 06	2 4E-06	0 02	1 8E-07	--	2 7E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		2		0 6		4E-06		6E-06	1E-05
	Dioxin/Furan TEQ only	*0.000000177*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	4 7E-10	*0.7*	1 8E-10	*0.3*	1 3E-11	*2E-06*	2 0E-11	*3E-06*	*4E-06*
	PCB TEQ only	*0.000000235*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	6 3E-10	*0.9*	2 4E-10	*0.3*	1 8E-11	*2E-06*	2 7E-11	*3E-06*	*6E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.00871*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	2 3E-05	--	8 7E-06	--	6 6E-07	*1E-06*	1 0E-06	*2E-06*	*3E-06*
									Consumption Total		**6**		**2**		**4E-06**		**6E-06**	**1E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	ND	ND
Developmental HI	3	0 9
Endocrine HI	NA	NA
Gastrointestinal HI	NA	NA
Hematologic HI	0 6	0 2
Nervous HI	3	1
Reproductive HI	2	0 6
Skin, Hair & Nails HI	2	0 6

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 124. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE CHIRU: Sucker Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*1.11*	mg/kg ww	1	P	--	--		Nervous	3 0E-03	0 003	1 1E-03	0 001	8 4E-05	--	1 3E-04	--	--
	Antimony	*0.0106*	mg/kg ww	0 0004	I	--	--		Hematologic	2 8E-05	0 07	1 1E-05	0 03	8 1E-07	--	1 2E-06	--	--
	Inorganic Arsenic	*0.00492*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	1 3E-05	0 04	4 9E-06	0 02	3 7E-07	6E-07	5 6E-07	8E-07	1E-06
	Chromium	*0.112*	mg/kg ww	0 003	I	--	--	(b)	None	3 0E-04	0 1	1 1E-04	0 04	8 5E-06	--	1 3E-05	--	--
	Mercury	*0.296*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	7 9E-04	8	3 0E-04	3	2 3E-05	--	3 4E-05	--	--
	Selenium	*0.296*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	7 9E-04	0 2	3 0E-04	0 06	2 3E-05	--	3 4E-05	--	--
	Thallium	*0.0134*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	3 6E-05	4	1 3E-05	1	1 0E-06	--	1 5E-06	--	--
	Zirconium	*0.00225*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	6 0E-06	0 08	2 3E-06	0 03	1 7E-07	--	2 6E-07	--	--
Pesticides	4,4'-DDE	*0.0167*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	4 5E-05	0 1	1 7E-05	0 06	1 3E-06	4E-07	1 9E-06	6E-07	1E-06
	Dieldrin	*0.000253*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	6 8E-07	0 01	2 5E-07	0 005	1 9E-08	3E-07	2 9E-08	5E-07	8E-07
	Heptachlor epoxide	*0.000368*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	9 8E-07	0 08	3 7E-07	0 03	2 8E-08	3E-07	4 2E-08	4E-07	6E-07
SVOC	bis(2-Ethylhexyl)phthalate	*0.49*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	1 3E-03	0 07	4 9E-04	0 02	3 7E-05	5E-07	5 6E-05	8E-07	1E-06
	Hexachlorobenzene	*0.00215*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	5 7E-06	0 007	2 2E-06	0 003	1 6E-07	3E-07	2 5E-07	4E-07	7E-07
PBDEs	PBDE-47	*0.028*	mg/kg ww	0 0001	I	--	--		Nervous	7 5E-05	0 7	2 8E-05	0 3	2 1E-06	--	3 2E-06	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		5		2		1E-05		2E-05	4E-05
	Dioxin/Furan TEQ only	*0.00000107*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	2 8E-09	*4*	1 1E-09	*2*	8 1E-11	*1E-05*	1 2E-10	*2E-05*	*3E-05*
	PCB TEQ only	*0.000000356*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	9 5E-10	*1*	3 6E-10	*0.5*	2 7E-11	*4E-06*	4 1E-11	*5E-06*	*9E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0596*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	1 6E-04	--	6 0E-05	--	4 5E-06	*9E-06*	6 8E-06	*1E-05*	*2E-05*
									Consumption Total		**20**		**7**		**2E-05**		**2E-05**	**4E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 1	0 04
Developmental HI	8	3
Endocrine HI	0 08	0 03
Gastrointestinal HI	0 3	0 1
Hematologic HI	0 2	0 09
Nervous HI	9	3
Reproductive HI	5	2
Skin, Hair & Nails HI	4	1

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 125. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE CHIRU: Walleye Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				TWA
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Aluminum	*30.8*	mg/kg ww	1	P	--	--		Nervous	8 2E-02	0 08	3 1E-02	0 03	2 3E-03	--	3 5E-03	--	--
	Antimony	*0.011*	mg/kg ww	0 0004	I	--	--		Hematologic	2 9E-05	0 07	1 1E-05	0 03	8 4E-07	--	1 3E-06	--	--
	Inorganic Arsenic	*0.00528*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	1 4E-05	0 05	5 3E-06	0 02	4 0E-07	6E-07	6 0E-07	9E-07	2E-06
	Chromium	*0.321*	mg/kg ww	0 003	I	--	--	(b)	None	8 6E-04	0 3	3 2E-04	0 1	2 4E-05	--	3 7E-05	--	--
	Mercury	*0.179*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	4 8E-04	5	1 8E-04	2	1 4E-05	--	2 0E-05	--	--
	Selenium	*0.361*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	9 6E-04	0 2	3 6E-04	0 07	2 8E-05	--	4 1E-05	--	--
	Thallium	*0.0368*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	9 8E-05	10	3 7E-05	4	2 8E-06	--	4 2E-06	--	--
	Zirconium	*0.0786*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	2 1E-04	3	7 9E-05	1	6 0E-06	--	9 0E-06	--	--
Pesticides	4,4'-DDE	*0.00128*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	3 4E-06	0 01	1 3E-06	0 004	9 8E-08	3E-08	1 5E-07	5E-08	8E-08
	Dieldrin	*ND*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	*ND*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	bis(2-Ethylhexyl)phthalate	*0.22*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	5 9E-04	0 03	2 2E-04	0 01	1 7E-05	2E-07	2 5E-05	4E-07	6E-07
	Hexachlorobenzene	*0.0012*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	3 2E-06	0 004	1 2E-06	0 002	9 1E-08	1E-07	1 4E-07	2E-07	4E-07
PBDEs	PBDE-47	*0.00351*	mg/kg ww	0 0001	I	--	--		Nervous	9 4E-06	0 09	3 5E-06	0 04	2 7E-07	--	4 0E-07	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		2		0 6		4E-06		6E-06	1E-05
	Dioxin/Furan TEQ only	*0.000000187*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	5 0E-10	*0.7*	1 9E-10	*0.3*	1 4E-11	*2E-06*	2 1E-11	*3E-06*	*5E-06*
	PCB TEQ only	*0.000000242*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	6 5E-10	*0.9*	2 4E-10	*0.3*	1 8E-11	*2E-06*	2 8E-11	*4E-06*	*6E-06*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		1E-06		1E-06	2E-06
	as Aroclor	*0.00505*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	1 3E-05	--	5 1E-06	--	3 8E-07	*8E-07*	5 8E-07	*1E-06*	*2E-06*
	as PCB Congener Sum	*0.00624*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	1 7E-05	--	6 2E-06	--	4 8E-07	*1E-06*	7 1E-07	*1E-06*	*2E-06*
									Consumption Total		**20**		**7**		**6E-06**		**9E-06**	**2E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	3	1
Developmental HI	5	2
Endocrine HI	3	1
Gastrointestinal HI	0 04	0 02
Hematologic HI	0 3	0 1
Nervous HI	5	2
Reproductive HI	2	0 6
Skin, Hair & Nails HI	10	4

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 126. Non-Cancer and Cancer Risks and Target Organ System Hazards for Non-Lead COPCs for the CTE CHIRU: Whitefish Consumption

Analyte Group	Analyte Name	Fish Tissue EPC (fillet) (mg/kg ww)		Toxicity Values				Notes	Primary Target Organ System(s)	Non-Cancer				Cancer				
										Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Aluminum	*1.86*	mg/kg ww	1	P	--	--		Nervous	5 0E-03	0 005	1 9E-03	0 002	1 4E-04	--	2 1E-04	--	--
	Antimony	*0.00613*	mg/kg ww	0 0004	I	--	--		Hematologic	1 6E-05	0 04	6 1E-06	0 02	4 7E-07	--	7 0E-07	--	--
	Inorganic Arsenic	*0.00716*	mg/kg ww	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	1 9E-05	0 06	7 2E-06	0 02	5 5E-07	8E-07	8 2E-07	1E-06	2E-06
	Chromium	*0.0512*	mg/kg ww	0 003	I	--	--	(b)	None	1 4E-04	0 05	5 1E-05	0 02	3 9E-06	--	5 9E-06	--	--
	Mercury	*0.0973*	mg/kg ww	0 0001	I	--	--	(c)	Nervous; Developmental	2 6E-04	3	9 7E-05	1	7 4E-06	--	1 1E-05	--	--
	Selenium	*0.303*	mg/kg ww	0 005	I	--	--		Nervous; Hematologic; Skin, Hair & Nails	8 1E-04	0 2	3 0E-04	0 06	2 3E-05	--	3 5E-05	--	--
	Thallium	*0.0164*	mg/kg ww	0 00001	X	--	--		Skin, Hair & Nails	4 4E-05	4	1 6E-05	2	1 2E-06	--	1 9E-06	--	--
	Zirconium	*0.0128*	mg/kg ww	0 00008	X	--	--		Cardiovascular; Endocrine	3 4E-05	0 4	1 3E-05	0 2	9 8E-07	--	1 5E-06	--	--
Pesticides	4,4'-DDE	*0.00574*	mg/kg ww	0 0003	X	0 34	I		Gastrointestinal	1 5E-05	0 05	5 7E-06	0 02	4 4E-07	1E-07	6 6E-07	2E-07	4E-07
	Dieldrin	*0.000327*	mg/kg ww	0 00005	I	16	I		Gastrointestinal	8 7E-07	0 02	3 3E-07	0 007	2 5E-08	4E-07	3 7E-08	6E-07	1E-06
	Heptachlor epoxide	*0.00045*	mg/kg ww	0 000013	I	9 1	I		Gastrointestinal	1 2E-06	0 09	4 5E-07	0 03	3 4E-08	3E-07	5 1E-08	5E-07	8E-07
SVOC	bis(2-Ethylhexyl)phthalate	*ND*	mg/kg ww	0 02	I	0 014	I		Gastrointestinal	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	*0.00257*	mg/kg ww	0 0008	I	1 6	I		Gastrointestinal	6 9E-06	0 009	2 6E-06	0 003	2 0E-07	3E-07	2 9E-07	5E-07	8E-07
PBDEs	PBDE-47	*0.0182*	mg/kg ww	0 0001	I	--	--		Nervous	4 9E-05	0 5	1 8E-05	0 2	1 4E-06	--	2 1E-06	--	--
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ								Reproductive		6		2		1E-05		2E-05	4E-05
	Dioxin/Furan TEQ only	*0.000000819*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	2 2E-09	*3*	8 2E-10	*1*	6 2E-11	*8E-06*	9 4E-11	*1E-05*	*2E-05*
	PCB TEQ only	*0.000000684*	*mg/kg ww*	*7E-10*	I	*130000*	*C*		*Reproductive*	1 8E-09	*3*	6 8E-10	*1*	5 2E-11	*7E-06*	7 8E-11	*1E-05*	*2E-05*
Non-dioxin-like PCBs	Total non-dioxin-like PCBs:			--	--	--	--	(f,g)			--		--		NA		NA	NA
	as Aroclor	*NA*	*mg/kg ww*	--	--	*2*	*I*	*(d,h)*	--	NA	--	NA	--	NA	*NA*	NA	*NA*	*NA*
	as PCB Congener Sum	*0.0234*	*mg/kg ww*	--	--	*2*	*I*	*(e,h)*	--	6 2E-05	--	2 3E-05	--	1 8E-06	*4E-06*	2 7E-06	*5E-06*	*9E-06*
									Consumption Total		**10**		**5**		**2E-05**		**3E-05**	**4E-05**

-- = no toxicity value available ND = not detected NA = not analyzed

(a) Some samples were not analyzed for inorganic arsenic For these samples, a calculated inorganic arsenic result was generated by multiplying the total arsenic result by the site-specific fraction (5 5%) of inorganic arsenic to total arsenic

(b) Based on toxicity values for Chromium (VI)

(c) Assumes chemical form of mercury in tissue is methylmercury

(d) Non-dioxin-like component evaluated based on Aroclor

(e) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

(f) When calculating total HQs from PCBs, the HQ was set equal to max of the Aroclor HQ or PCB congener sum HQ

(g) When calculating total cancer risks from non-dioxin-like PCBs, the non-dioxin-like risk was set equal to max of the Aroclor risk or congener sum risk

(h) oRfD based on Aroclor-1254; oSF based on high risk and persistence tier (see Tables 4-2 and 4-4)

Total by Target Organ System:

Cardiovascular HI	0 5	0 2
Developmental HI	3	1
Endocrine HI	0 4	0 2
Gastrointestinal HI	0 2	0 06
Hematologic HI	0 2	0 08
Nervous HI	3	1
Reproductive HI	6	2
Skin, Hair & Nails HI	5	2

Sources: A = HEAST Alternate H = HEAST I = IRIS E = EPA-NCEA provisional value
M = ATSDR MRL (chronic) O = other P = EPA provisional peer-reviewed value X = Appendix PPRTV Screen

Table 127. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME CHIRU: Mussel Consumption within Site Reaches

Analyte Group	Analyte Name	Mussel EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organs(s)	Non-Cancer				Cancer				
									Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Antimony	0 0134	0 0004	I	--	--		Hematologic	2 6E-06	0 006	9 7E-07	0 002	2 2E-07		2 8E-07		
	Inorganic Arsenic	0 0666	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	1 3E-05	0 04	4 8E-06	0 02	1 1E-06	2E-06	1 4E-06	2E-06	4E-06
	Barium	63 6	0 2	I	--	--		Urinary	1 2E-02	0 06	4 6E-03	0 02	*1.1E-03*		1 3E-03		
	Cadmium	0 574	0 001	I	--	--		Urinary	1 1E-04	0 1	4 2E-05	0 04	*9.5E-06*		1 2E-05		
	Chromium	0 664	0 003	I	--	--	(b)	None	1 3E-04	0 04	4 8E-05	0 02	*1.1E-05*		1 4E-05		
	Cobalt	0 107	0 0003	P	--	--		Endocrine	2 1E-05	0 07	7 8E-06	0 03	*1.8E-06*		2 2E-06		
	Iron	238	0 7	P	--	--		Gastrointestinal	4 6E-02	0 07	1 7E-02	0 02	*3.9E-03*		4 9E-03		
	Manganese	420	0 14	I	--	--		Nervous	8 1E-02	0 6	3 0E-02	0 2	*7.0E-03*		8 7E-03		
	Thallium	0 00625	0 00001	X	--	--		Skin, Hair & Nails	1 2E-06	0 1	4 5E-07	0 05	*1.0E-07*		1 3E-07		
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ		7E-10	I	130000	C		Reproductive		0 05		0 02		4E-07		5E-07	8E-07
	Dioxin/Furan TEQ Only	0 000000119	*7E-10*	*I*	*130000*	*C*			*2.3E-11*	*0.03*	*8.6E-12*	*0.01*	*2.0E-12*	*3E-07*	*2.5E-12*	*3E-07*	*6E-07*
	PCB TEQ Only	##########	*7E-10*	*I*	*130000*	*C*			*1.1E-11*	*0.02*	*4.1E-12*	*0.006*	*9.3E-13*	*1E-07*	*1.2E-12*	*2E-07*	*3E-07*
Non-dioxin-like PCBs	Total non-dioxin-like PCB Congeners (ND=0)	0 0134	--	--	2	I	(c)	--	2 6E-06		9 7E-07		2 2E-07	4E-07	2 8E-07	6E-07	1E-06
								Total		**1**		**0.4**		**2E-06**		**3E-06**	**6E-06**

-- = no toxicity value available

(a) Samples without an inorganic arsenic result reported by the lab used a calculted inorganic arsenic result (site-specific fraction of inorganic arsenic [7 7%] multiplied by the total arsenic result) when calculating EPCs

(b) Based on toxicity values for Chromium (VI)

(c) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

Sources: I = IRIS, P = EPA provisional peer-reviewed value, X = Appendix PPRTV Screen, C = Cal EPA

Total by Target Organ System:

Cardiovascular HI	0 04	0 02
Endocrine HI	0 07	0 03
Gastrointestinal HI	0 07	0 02
Hematologic HI	0 006	0 002
Nervous HI	0 6	0 2
Reproductive HI	0 05	0 02
Hair, Skin, & Nails HI	0 2	0 06
Urinary HI	0 2	0 06

Table 128. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE CHIRU: Mussel Consumption within Site Reaches

Analyte Group	Analyte Name	Mussel EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organs(s)	Non-Cancer				Cancer				
									Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Antimony	0 0134	0 0004	I	--	--		Hematologic	7 6E-07	0 002	2 8E-07	0 0007	2 2E-08		3 3E-08		
	Inorganic Arsenic	0 0666	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	3 8E-06	0 01	1 4E-06	0 005	1 1E-07	2E-07	1 6E-07	2E-07	4E-07
	Barium	63 6	0 2	I	--	--		Urinary	3 6E-03	0 02	1 4E-03	0 007	*1.0E-04*		1 5E-04		
	Cadmium	0 574	0 001	I	--	--		Urinary	3 3E-05	0 03	1 2E-05	0 01	*9.3E-07*		1 4E-06		
	Chromium	0 664	0 003	I	--	--	(b)	None	3 8E-05	0 01	1 4E-05	0 005	*1.1E-06*		1 6E-06		
	Cobalt	0 107	0 0003	P	--	--		Endocrine	6 1E-06	0 02	2 3E-06	0 008	*1.7E-07*		2 6E-07		
	Iron	238	0 7	P	--	--		Gastrointestinal	1 3E-02	0 02	5 0E-03	0 007	*3.8E-04*		5 8E-04		
	Manganese	420	0 14	I	--	--		Nervous	2 4E-02	0 2	8 9E-03	0 06	*6.8E-04*		1 0E-03		
	Thallium	0 00625	0 00001	X	--	--		Skin, Hair & Nails	3 5E-07	0 04	1 3E-07	0 01	*1.0E-08*		1 5E-08		
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ		7E-10	I	130000	C		Reproductive		0 01		0 005		4E-08		6E-08	9E-08
	Dioxin/Furan TEQ Only	0 000000119	*7E-10*	*I*	*130000*	*C*			*6.7E-12*	*0.01*	*2.5E-12*	*0.004*	*1.9E-13*	*3E-08*	*2.9E-13*	*4E-08*	*6E-08*
	PCB TEQ Only	##########	*7E-10*	*I*	*130000*	*C*			*3.2E-12*	*0.005*	*1.2E-12*	*0.002*	*9.1E-14*	*1E-08*	*1.4E-13*	*2E-08*	*3E-08*
Non-dioxin-like PCBs	Total non-dioxin-like PCB Congeners (ND=0)	0 0134	--	--	2	I	(c)	--	7 6E-07		2 8E-07		2 2E-08	4E-08	3 3E-08	7E-08	1E-07
								Total		**0.3**		**0.1**		**2E-07**		**4E-07**	**6E-07**

-- = no toxicity value available

(a) Samples without an inorganic arsenic result reported by the lab used a calculted inorganic arsenic result (site-specific fraction of inorganic arsenic [7 7%] multiplied by the total arsenic result) when calculating EPCs

(b) Based on toxicity values for Chromium (VI)

(c) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

Sources: I = IRIS, P = EPA provisional peer-reviewed value, X = Appendix PPRTV Screen, C = Cal EPA

Total by Target Organ System:

Cardiovascular HI	0 01	0 005
Endocrine HI	0 02	0 008
Gastrointestinal HI	0 02	0 007
Hematologic HI	0 002	0 0007
Nervous HI	0 2	0 06
Reproductive HI	0 01	0 005
Hair, Skin, & Nails HI	0 05	0 02
Urinary HI	0 05	0 02

Table 129. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME CHIRU: Mussel Consumption within Reference Areas

Analyte Group	Analyte Name	Mussel EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organs(s)	Non-Cancer				Cancer				TWA
									Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Antimony	ND	0 0004	I	--	--		Hematologic	ND		ND		ND		ND		
	Inorganic Arsenic	0 0561	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	1 1E-05	0 04	4 1E-06	0 01	9 3E-07	1E-06	1 2E-06	2E-06	3E-06
	Barium	27 3	0 2	I	--	--		Urinary	5 3E-03	0 03	2 0E-03	0 01	*4.5E-04*		5 6E-04		
	Cadmium	0 0899	0 001	I	--	--		Urinary	1 7E-05	0 02	6 5E-06	0 007	*1.5E-06*		1 9E-06		
	Chromium	0 782	0 003	I	--	--	(b)	None	1 5E-04	0 05	5 7E-05	0 02	*1.3E-05*		1 6E-05		
	Cobalt	0 104	0 0003	P	--	--		Endocrine	2 0E-05	0 07	7 5E-06	0 03	*1.7E-06*		2 2E-06		
	Iron	205	0 7	P	--	--		Gastrointestinal	4 0E-02	0 06	1 5E-02	0 02	*3.4E-03*		4 2E-03		
	Manganese	302	0 14	I	--	--		Nervous	5 8E-02	0 4	2 2E-02	0 2	*5.0E-03*		6 3E-03		
	Thallium	0 0007	0 00001	X	--	--		Skin, Hair & Nails	1 4E-07	0 01	5 1E-08	0 005	*1.2E-08*		1 5E-08		
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ		7E-10	I	130000	C		Reproductive		0 04		0 01		3E-07		4E-07	7E-07
	Dioxin/Furan TEQ Only	0 000000119	*7E-10*	*I*	*130000*	*C*			*2.3E-11*	*0.03*	*8.6E-12*	*0.01*	*2.0E-12*	*3E-07*	*2.5E-12*	*3E-07*	*6E-07*
	PCB TEQ Only	##########	*7E-10*	*I*	*130000*	*C*			*3.2E-12*	*0.005*	*1.2E-12*	*0.002*	*2.8E-13*	*4E-08*	*3.5E-13*	*5E-08*	*8E-08*
Non-dioxin-like PCBs	Total non-dioxin-like PCB Congeners (ND=0)	0 000631	--	--	2	I	(c)	--	1 2E-07		4 6E-08		1 0E-08	2E-08	1 3E-08	3E-08	5E-08
								Total		**0.7**		**0.3**		**2E-06**		**2E-06**	**4E-06**

ND = not detected

-- = no toxicity value available

(a) Samples without an inorganic arsenic result reported by the lab used a calculted inorganic arsenic result (site-specific fraction of inorganic arsenic [7 7%] multiplied by the total arsenic result) when calculating EPCs

(b) Based on toxicity values for Chromium (VI)

(c) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

Sources: I = IRIS, P = EPA provisional peer-reviewed value, X = Appendix PPRTV Screen, C = Cal EPA

Total by Target Organ System:

Cardiovascular HI	0 04	0 01
Endocrine HI	0 07	0 03
Gastrointestinal HI	0 06	0 02
Hematologic HI	ND	ND
Nervous HI	0 4	0 2
Reproductive HI	0 04	0 01
Hair, Skin, & Nails HI	0 05	0 02
Urinary HI	0 04	0 02

Table 130. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE CHIRU: Mussel Consumption within Reference Areas

Analyte Group	Analyte Name	Mussel EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organs(s)	Non-Cancer				Cancer				
									Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Metals and Metalloids	Antimony	ND	0 0004	I	--	--		Hematologic	ND		ND		ND		ND		
	Inorganic Arsenic	0 0561	0 0003	I	1 5	I	(a)	Cardiovascular; Skin, Hair & Nails	3 2E-06	0 01	1 2E-06	0 004	9 1E-08	1E-07	1 4E-07	2E-07	3E-07
	Barium	27 3	0 2	I	--	--		Urinary	1 5E-03	0 008	5 8E-04	0 003	*4.4E-05*		6 6E-05		
	Cadmium	0 0899	0 001	I	--	--		Urinary	5 1E-06	0 005	1 9E-06	0 002	*1.5E-07*		2 2E-07		
	Chromium	0 782	0 003	I	--	--	(b)	None	4 4E-05	0 01	1 7E-05	0 006	*1.3E-06*		1 9E-06		
	Cobalt	0 104	0 0003	P	--	--		Endocrine	5 9E-06	0 02	2 2E-06	0 007	*1.7E-07*		2 5E-07		
	Iron	205	0 7	P	--	--		Gastrointestinal	1 2E-02	0 02	4 3E-03	0 006	*3.3E-04*		5 0E-04		
	Manganese	302	0 14	I	--	--		Nervous	1 7E-02	0 1	6 4E-03	0 05	*4.9E-04*		7 3E-04		
	Thallium	0 0007	0 00001	X	--	--		Skin, Hair & Nails	4 0E-08	0 004	1 5E-08	0 001	*1.1E-09*		1 7E-09		
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ		7E-10	I	130000	C		Reproductive		0 01		0 004		3E-08		4E-08	7E-08
	Dioxin/Furan TEQ Only	0 000000119	*7E-10*	*I*	*130000*	*C*			*6.8E-12*	*0.01*	*2.5E-12*	*0.004*	*1.9E-13*	*3E-08*	*2.9E-13*	*4E-08*	*6E-08*
	PCB TEQ Only	##########	*7E-10*	*I*	*130000*	*C*			*9.5E-13*	*0.001*	*3.6E-13*	*0.001*	*2.7E-14*	*4E-09*	*4.1E-14*	*5E-09*	*9E-09*
Non-dioxin-like PCBs	Total non-dioxin-like PCB Congeners (ND=0)	0 000631	--	--	2	I	(c)	--	3 6E-08		1 3E-08		1 0E-09	2E-09	1 5E-09	3E-09	5E-09
								Total		**0.2**		**0.08**		**2E-07**		**3E-07**	**4E-07**

ND = not detected

-- = no toxicity value available

(a) Samples without an inorganic arsenic result reported by the lab used a calculted inorganic arsenic result (site-specific fraction of inorganic arsenic [7 7%] multiplied by the total arsenic result) when calculating EPCs

(b) Based on toxicity values for Chromium (VI)

(c) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

Sources: I = IRIS, P = EPA provisional peer-reviewed value, X = Appendix PPRTV Screen, C = Cal EPA

Total by Target Organ System:

Cardiovascular HI	0 01	0 004
Endocrine HI	0 02	0 007
Gastrointestinal HI	0 02	0 006
Hematologic HI	ND	ND
Nervous HI	0 1	0 05
Reproductive HI	0 01	0 004
Hair, Skin, & Nails HI	0 01	0 005
Urinary HI	0 01	0 005

Table 131. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME: CHIRU Crayfish Consumption within Site Reaches

Analyte Group	Analyte Name	Crayfish EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organs(s)	Non-Cancer				Cancer				TWA
									Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Inorganic Arsenic	0 0797	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	1 5E-05	0 05	5 8E-06	0 02	1 3E-06	2E-06	1 7E-06	2E-06	4E-06
	Barium	72 7	0 2	I	--	--		Urinary	1 4E-02	0 07	5 3E-03	0 03	*1.2E-03*		1 5E-03		
	Cadmium	0 36	0 001	I	--	--		Urinary	7 0E-05	0 07	2 6E-05	0 03	*6.0E-06*		7 5E-06		
	Chromium	0 903	0 003	I	--	--	(a)	None	1 7E-04	0 06	6 5E-05	0 02	*1.5E-05*		1 9E-05		
	Cobalt	0 148	0 0003	P	--	--		Endocrine	2 9E-05	0 1	1 1E-05	0 04	*2.5E-06*		3 1E-06		
	Copper	39 9	0 04	H	--	--		Gastrointestinal	7 7E-03	0 2	2 9E-03	0 07	*6.6E-04*		8 3E-04		
	Methyl Mercury	0 0245	0 0001	I	--	--		Nervous; Developmental	4 7E-06	0 05	1 8E-06	0 02	*4.1E-07*		5 1E-07		
	Thallium	0 0184	0 00001	X	--	--		Skin, Hair & Nails	3 6E-06	0 4	1 3E-06	0 1	*3.0E-07*		3 8E-07		
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ	0 000000161	7E-10	I	130000	C		Reproductive	3 1E-11	0 04		0 02		3E-07		4E-07	8E-07
	Dioxin/Furan TEQ Only	0 000000115	*7E-10*	*I*	*130000*	*C*			*2.2E-11*	*0.03*	*8.3E-12*	*0.01*	*1.9E-12*	*2E-07*	*2.4E-12*	*3E-07*	*6E-07*
	PCB TEQ Only	##########	*7E-10*	*I*	*130000*	*C*			*9.0E-12*	*0.01*	*3.4E-12*	*0.00*	*7.7E-13*	*1E-07*	*9.7E-13*	*1E-07*	*2E-07*
Non-dioxin-like PCBs	Total non-dioxin-like PCB Congeners (ND=0)	0 0106	--	--	2	I	(b)	--	*2.0E-06*		*7.7E-07*		*1.8E-07*	*4E-07*	*2.2E-07*	*4E-07*	*8E-07*
								Total		**1**		**0.4**		**3E-06**		**3E-06**	**6E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

(b) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

Sources: I = IRIS H = HEAST P = EPA provisional peer-reviewed value C = Cal EPA

Total by Target Organ System:

Cardiovascular HI	0 05	0 02
Developmental HI	0 05	0 02
Endocrine HI	0 1	0 04
Gastrointestinal HI	0 2	0 07
Nervous HI	0 05	0 02
Reproductive HI	0 04	0 02
Skin, Hair, & Nails HI	0 4	0 2
Urinary HI	0 1	0 05

Table 132. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE: CHIRU Crayfish Consumption within Site Reaches

Analyte Group	Analyte Name	Crayfish EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organs(s)	Non-Cancer				Cancer				TWA
									Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Inorganic Arsenic	0 0797	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	6 6E-06	0 02	2 5E-06	0 008	1 9E-07	3E-07	2 8E-07	4E-07	7E-07
	Barium	72 7	0 2	I	--	--		Urinary	6 1E-03	0 03	2 3E-03	0 01	*1.7E-04*		2 6E-04		
	Cadmium	0 36	0 001	I	--	--		Urinary	3 0E-05	0 03	1 1E-05	0 01	*8.6E-07*		1 3E-06		
	Chromium	0 903	0 003	I	--	--	(a)	None	7 5E-05	0 03	2 8E-05	0 009	*2.2E-06*		3 2E-06		
	Cobalt	0 148	0 0003	P	--	--		Endocrine	1 2E-05	0 04	4 6E-06	0 02	*3.5E-07*		5 3E-07		
	Copper	39 9	0 04	H	--	--		Gastrointestinal	3 3E-03	0 08	1 2E-03	0 03	*9.5E-05*		1 4E-04		
	Methyl Mercury	0 0245	0 0001	I	--	--		Nervous; Developmental	2 0E-06	0 02	7 7E-07	0 008	*5.8E-08*		8 8E-08		
	Thallium	0 0184	0 00001	X	--	--		Skin, Hair & Nails	1 5E-06	0 2	5 8E-07	0 06	*4.4E-08*		6 6E-08		
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ	0 000000161	7E-10	I	130000	C		Reproductive	1 3E-11	0 02		0 01		5E-08		7E-08	1E-07
	Dioxin/Furan TEQ Only	0 000000115	*7E-10*	*I*	*130000*	*C*			*9.6E-12*	*0.01*	*3.6E-12*	*0.01*	*2.7E-13*	*4E-08*	*4.1E-13*	*5E-08*	*9E-08*
	PCB TEQ Only	##########	*7E-10*	*I*	*130000*	*C*			*3.9E-12*	*0.01*	*1.5E-12*	*0.00*	*1.1E-13*	*1E-08*	*1.7E-13*	*2E-08*	*4E-08*
Non-dioxin-like PCBs	Total non-dioxin-like PCB Congeners (ND=0)	0 0106	--	--	2	I	(b)	--	*8.8E-07*		*3.3E-07*		*2.5E-08*	*5E-08*	*3.8E-08*	*8E-08*	*1E-07*
								Total		**0.4**		**0.2**		**4E-07**		**6E-07**	**1E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

(b) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

Sources: I = IRIS H = HEAST P = EPA provisional peer-reviewed value C = Cal EPA

Total by Target Organ System:

Cardiovascular HI	0 02	0 008
Developmental HI	0 02	0 008
Endocrine HI	0 04	0 02
Gastrointestinal HI	0 08	0 03
Nervous HI	0 02	0 008
Reproductive HI	0 02	0 007
Skin, Hair, & Nails HI	0 2	0 07
Urinary HI	0 06	0 02

Table 133. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME: CHIRU Crayfish Consumption within Reference Areas

Analyte Group	Analyte Name	Crayfish EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organs(s)	Non-Cancer				Cancer				TWA
									Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Inorganic Arsenic	0 0357	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	6 9E-06	0 02	2 6E-06	0 009	5 9E-07	9E-07	7 4E-07	1E-06	2E-06
	Barium	141	0 2	I	--	--		Urinary	2 7E-02	0 1	1 0E-02	0 05	*2.3E-03*		2 9E-03		
	Cadmium	0 0244	0 001	I	--	--		Urinary	4 7E-06	0 005	1 8E-06	0 002	*4.0E-07*		5 1E-07		
	Chromium	0 599	0 003	I	--	--	(a)	None	1 2E-04	0 04	4 3E-05	0 01	*9.9E-06*		1 2E-05		
	Cobalt	0 0925	0 0003	P	--	--		Endocrine	1 8E-05	0 06	6 7E-06	0 02	*1.5E-06*		1 9E-06		
	Copper	25 5	0 04	H	--	--		Gastrointestinal	4 9E-03	0 1	1 9E-03	0 05	*4.2E-04*		5 3E-04		
	Methyl Mercury	0 0536	0 0001	I	--	--		Nervous; Developmental	1 0E-05	0 1	3 9E-06	0 04	*8.9E-07*		1 1E-06		
	Thallium	0 00166	0 00001	X	--	--		Skin, Hair & Nails	3 2E-07	0 03	1 2E-07	0 01	*2.8E-08*		3 4E-08		
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ	0 000000159	7E-10	I	130000	C		Reproductive	3 1E-11	0 04		0 02		3E-07		4E-07	8E-07
	Dioxin/Furan TEQ Only	0 000000119	*7E-10*	*I*	*130000*	*C*			*2.3E-11*	*0.03*	*8.7E-12*	*0.01*	*2.0E-12*	*3E-07*	*2.5E-12*	*3E-07*	*6E-07*
	PCB TEQ Only	##########	*7E-10*	*I*	*130000*	*C*			*7.7E-12*	*0.01*	*2.9E-12*	*0.00*	*6.6E-13*	*9E-08*	*8.3E-13*	*1E-07*	*2E-07*
Non-dioxin-like PCBs	Total non-dioxin-like PCB Congeners (ND=0)	0 000961	--	--	2	I	(b)	--	*1.9E-07*		*7.0E-08*		*1.6E-08*	*3E-08*	*2.0E-08*	*4E-08*	*7E-08*
								Total		**0.6**		**0.2**		**1E-06**		**2E-06**	**3E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

(b) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

Sources: I = IRIS H = HEAST P = EPA provisional peer-reviewed value C = Cal EPA

Total by Target Organ System:

Cardiovascular HI	0 02	0 009
Developmental HI	0 1	0 04
Endocrine HI	0 06	0 02
Gastrointestinal HI	0 1	0 05
Nervous HI	0 1	0 04
Reproductive HI	0 04	0 02
Skin, Hair, & Nails HI	0 06	0 02
Urinary HI	0 1	0 05

Table 134. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE: CHIRU Crayfish Consumption within Reference Areas

Analyte Group	Analyte Name	Crayfish EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organs(s)	Non-Cancer				Cancer				TWA
									Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Inorganic Arsenic	0 0357	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	3 0E-06	0 01	1 1E-06	0 004	8 5E-08	1E-07	1 3E-07	2E-07	3E-07
	Barium	141	0 2	I	--	--		Urinary	1 2E-02	0 06	4 4E-03	0 02	*3.4E-04*		5 0E-04		
	Cadmium	0 0244	0 001	I	--	--		Urinary	2 0E-06	0 002	7 6E-07	0 0008	*5.8E-08*		8 7E-08		
	Chromium	0 599	0 003	I	--	--	(a)	None	5 0E-05	0 02	1 9E-05	0 006	*1.4E-06*		2 1E-06		
	Cobalt	0 0925	0 0003	P	--	--		Endocrine	7 7E-06	0 03	2 9E-06	0 01	*2.2E-07*		3 3E-07		
	Copper	25 5	0 04	H	--	--		Gastrointestinal	2 1E-03	0 05	8 0E-04	0 02	*6.1E-05*		9 1E-05		
	Methyl Mercury	0 0536	0 0001	I	--	--		Nervous; Developmental	4 5E-06	0 04	1 7E-06	0 02	*1.3E-07*		1 9E-07		
	Thallium	0 00166	0 00001	X	--	--		Skin, Hair & Nails	1 4E-07	0 01	5 2E-08	0 005	*4.0E-09*		5 9E-09		
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ	0 000000159	7E-10	I	130000	C		Reproductive	1 3E-11	0 02		0 01		5E-08		7E-08	1E-07
	Dioxin/Furan TEQ Only	0 000000119	*7E-10*	*I*	*130000*	*C*			*1.0E-11*	*0.01*	*3.7E-12*	*0.01*	*2.8E-13*	*4E-08*	*4.3E-13*	*6E-08*	*9E-08*
	PCB TEQ Only	##########	*7E-10*	*I*	*130000*	*C*			*3.3E-12*	*0.00*	*1.2E-12*	*0.00*	*9.5E-14*	*1E-08*	*1.4E-13*	*2E-08*	*3E-08*
Non-dioxin-like PCBs	Total non-dioxin-like PCB Congeners (ND=0)	0 000961	--	--	2	I	(b)	--	*8.0E-08*		*3.0E-08*		*2.3E-09*	*5E-09*	*3.4E-09*	*7E-09*	*1E-08*
								Total		**0.2**		**0.09**		**2E-07**		**3E-07**	**5E-07**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

(b) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

Sources: I = IRIS H = HEAST P = EPA provisional peer-reviewed value C = Cal EPA

Total by Target Organ System:

Cardiovascular HI	0 01	0 004
Developmental HI	0 04	0 02
Endocrine HI	0 03	0 01
Gastrointestinal HI	0 05	0 02
Nervous HI	0 04	0 02
Reproductive HI	0 02	0 007
Skin, Hair, & Nails HI	0 02	0 009
Urinary HI	0 06	0 02

Table 135. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME: CHIRU Amphibian and Reptile Consumption within Site Reaches

Analyte Group	Analyte Name	Crayfish EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organs(s)	Non-Cancer				Cancer				TWA
									Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Inorganic Arsenic	0 0797	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	1 5E-05	0 05	5 8E-06	0 02	1 3E-06	2E-06	1 7E-06	2E-06	4E-06
	Barium	72 7	0 2	I	--	--		Urinary	1 4E-02	0 07	5 3E-03	0 03	*1.2E-03*		1 5E-03		
	Cadmium	0 36	0 001	I	--	--		Urinary	7 0E-05	0 07	2 6E-05	0 03	*6.0E-06*		7 5E-06		
	Chromium	0 903	0 003	I	--	--	(a)	None	1 7E-04	0 06	6 5E-05	0 02	*1.5E-05*		1 9E-05		
	Cobalt	0 148	0 0003	P	--	--		Endocrine	2 9E-05	0 1	1 1E-05	0 04	*2.5E-06*		3 1E-06		
	Copper	39 9	0 04	H	--	--		Gastrointestinal	7 7E-03	0 2	2 9E-03	0 07	*6.6E-04*		8 3E-04		
	Methyl Mercury	0 0245	0 0001	I	--	--		Nervous; Developmental	4 7E-06	0 05	1 8E-06	0 02	*4.1E-07*		5 1E-07		
	Thallium	0 0184	0 00001	X	--	--		Skin, Hair & Nails	3 6E-06	0 4	1 3E-06	0 1	*3.0E-07*		3 8E-07		
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ	0 000000161	7E-10	I	130000	C		Reproductive	3 1E-11	0 04		0 02		3E-07		4E-07	8E-07
	Dioxin/Furan TEQ Only	0 000000115	*7E-10*	*I*	*130000*	*C*			*2.2E-11*	*0.03*	*8.3E-12*	*0.01*	*1.9E-12*	*2E-07*	*2.4E-12*	*3E-07*	*6E-07*
	PCB TEQ Only	##########	*7E-10*	*I*	*130000*	*C*			*9.0E-12*	*0.01*	*3.4E-12*	*0.00*	*7.7E-13*	*1E-07*	*9.7E-13*	*1E-07*	*2E-07*
Non-dioxin-like PCBs	Total non-dioxin-like PCB Congeners (ND=0)	0 0106	--	--	2	I	(b)	--	*2.0E-06*		*7.7E-07*		*1.8E-07*	*4E-07*	*2.2E-07*	*4E-07*	*8E-07*
								Total		**1**		**0.4**		**3E-06**		**3E-06**	**6E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

(b) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

Sources: I = IRIS H = HEAST P = EPA provisional peer-reviewed value C = Cal EPA

Total by Target Organ System:

Cardiovascular HI	0 05	0 02
Developmental HI	0 05	0 02
Endocrine HI	0 1	0 04
Gastrointestinal HI	0 2	0 07
Nervous HI	0 05	0 02
Reproductive HI	0 04	0 02
Skin, Hair, & Nails HI	0 4	0 2
Urinary HI	0 1	0 05

Table 136. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE: CHIRU Amphibian and Reptile Consumption within Site Reaches

Analyte Group	Analyte Name	Crayfish EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organs(s)	Non-Cancer				Cancer				TWA
									Child		Adult		Child		Adult		
			oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Metals and Metalloids	Inorganic Arsenic	0 0797	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	1 1E-05	0 04	4 2E-06	0 01	3 2E-07	5E-07	4 8E-07	7E-07	1E-06
	Barium	72 7	0 2	I	--	--		Urinary	1 0E-02	0 05	3 8E-03	0 02	*2.9E-04*		4 4E-04		
	Cadmium	0 36	0 001	I	--	--		Urinary	5 0E-05	0 05	1 9E-05	0 02	*1.4E-06*		2 2E-06		
	Chromium	0 903	0 003	I	--	--	(a)	None	1 3E-04	0 04	4 7E-05	0 02	*3.6E-06*		5 4E-06		
	Cobalt	0 148	0 0003	P	--	--		Endocrine	2 1E-05	0 07	7 8E-06	0 03	*5.9E-07*		8 9E-07		
	Copper	39 9	0 04	H	--	--		Gastrointestinal	5 6E-03	0 1	2 1E-03	0 05	*1.6E-04*		2 4E-04		
	Methyl Mercury	0 0245	0 0001	I	--	--		Nervous; Developmental	3 4E-06	0 03	1 3E-06	0 01	*9.8E-08*		1 5E-07		
	Thallium	0 0184	0 00001	X	--	--		Skin, Hair & Nails	2 6E-06	0 3	9 7E-07	0 1	*7.4E-08*		1 1E-07		
Dioxin-like TEQ (ND=0 5 DL)	Total (Dioxin/Furan+PCB) TEQ	0 000000161	7E-10	I	130000	C		Reproductive	2 3E-11	0 03		0 01		8E-08		1E-07	2E-07
	Dioxin/Furan TEQ Only	0 000000115	*7E-10*	*I*	*130000*	*C*			*1.6E-11*	*0.02*	*6.0E-12*	*0.01*	*4.6E-13*	*6E-08*	*6.9E-13*	*9E-08*	*1E-07*
	PCB TEQ Only	##########	*7E-10*	*I*	*130000*	*C*			*6.5E-12*	*0.01*	*2.4E-12*	*0.00*	*1.9E-13*	*2E-08*	*2.8E-13*	*4E-08*	*6E-08*
Non-dioxin-like PCBs	Total non-dioxin-like PCB Congeners (ND=0)	0 0106	--	--	2	I	(b)	--	*1.5E-06*		*5.6E-07*		*4.2E-08*	*8E-08*	*6.4E-08*	*1E-07*	*2E-07*
								Total		**0.7**		**0.3**		**6E-07**		**1E-06**	**2E-06**

-- = no toxicity value available

(a) Based on toxicity values for Chromium (VI)

(b) Non-dioxin-like component evaluated based on sum of non-dioxin-like congeners

Sources: I = IRIS H = HEAST P = EPA provisional peer-reviewed value C = Cal EPA

Total by Target Organ System:

Cardiovascular HI	0 04	0 01
Developmental HI	0 03	0 01
Endocrine HI	0 07	0 03
Gastrointestinal HI	0 1	0 05
Nervous HI	0 03	0 01
Reproductive HI	0 03	0 01
Skin, Hair, & Nails HI	0 3	0 1
Urinary HI	0 1	0 04

Table 137. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME: CHIRU Waterfowl Consumption

Pathway	River Region	Analyte Name	Waterfowl EPC (mg/kg ww)	Toxicity Values				Primary Target Organ(s)	Non-Cancer				Cancer				
									Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source		Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	**TWA**
Ingestion	Lower	Arsenic	0.0137	3.0E-04	I	1.5	I	Cardiovascular; Skin, Hair & Nails	7 31E-07	0.002	2.74E-07	0.0009	6.3E-08	9E-08	7.8E-08	1E-07	2E-07
		Cadmium	0.00482	1.0E-03	I	--	--	Urinary	2 57E-07	0.0003	9.65E-08	0.0001	2.2E-08		2.8E-08		
		Selenium	ND	5.0E-03	I	--	--	Nervous; Hematologic; Skin, Hair & Nails	--		--		--		--		
		Lower Ingestion Total								**0.003**		**0.001**		**9E-08**		**1E-07**	**2E-07**
	Middle	Arsenic	0.0095	3.0E-04	I	1.5	I	Cardiovascular; Skin, Hair & Nails	5.07E-07	0.002	1.90E-07	0.0006	4.3E-08	7E-08	5.4E-08	8E-08	1E-07
		Cadmium	0.0155	1.0E-03	I	--	--	Urinary	8 24E-07	0.0008	3.09E-07	0.0003	7.1E-08		8.8E-08		
		Selenium	0.00642	5.0E-03	I	--	--	Nervous; Hematologic; Skin, Hair & Nails	3.42E-07	0.00007	1.28E-07	0.00003	2.9E-08		3.7E-08		
		Middle Ingestion Total								**0.003**		**0.001**		**7E-08**		**8E-08**	**1E-07**
	Upper	Arsenic	0.0232	3.0E-04	I	1.5	I	Cardiovascular; Skin, Hair & Nails	1 24E-06	0.004	4.65E-07	0.002	1.1E-07	2E-07	1.3E-07	2E-07	4E-07
		Cadmium	0.0304	1.0E-03	I	--	--	Urinary	1.62E-06	0.002	6.08E-07	0.0006	1.4E-07		1.7E-07		
		Selenium	0.0699	5.0E-03	I	--	--	Nervous; Hematologic; Skin, Hair & Nails	3.73E-06	0.0007	1.40E-06	0.0003	3.2E-07		4.0E-07		
		Upper Ingestion Total								**0.007**		**0.002**		**2E-07**		**2E-07**	**4E-07**

ND = not detected
-- = no toxicity value available

Sources: I = IRIS H = HEAST A = HEAST Alternate M = ATSDR MRL (chronic)
E = EPA-NCEA provisional value O = other P = EPA provisional peer-reviewed value

Total HQ by Target Organ System

River Region	*Lower*		*Middle*		*Upper*	
Organ System	Child	Adult	Child	Adult	Child	Adult
Cardiovascular	0.002	0.0009	0.002	0.0006	0.004	0.002
Hematologic	ND	ND	0.00007	0.00003	0.0007	0.0003
Skin, Hair & Nails	0.002	0.0009	0.002	0.0007	0.005	0.002
Urinary	0.0003	0.0001	0.0008	0.0003	0.002	0.0006

Table 138. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE: CHIRU Waterfowl Consumption

Pathway	River Region	Analyte Name	Waterfowl EPC (mg/kg ww)	Toxicity Values				Primary Target Organ(s)	Non-Cancer				Cancer				TWA
									Child		Adult		Child		Adult		
				oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source		Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Ingestion	Lower	Arsenic	0.0137	3.0E-04	I	1.5	I	Cardiovascular; Skin, Hair & Nails	6.40E-07	0.002	2.40E-07	0.0008	1.8E-08	3E-08	2.7E-08	4E-08	7E-08
		Cadmium	0.00482	1.0E-03	I	--	--	Urinary	2 25E-07	0.0002	8.44E-08	0.00008	6.4E-09		9.6E-09		
		Selenium	ND	5.0E-03	I	--	--	Nervous; Hematologic; Skin, Hair & Nails	--		--		--		--		
		Lower Ingestion Total								**0.002**		**0.0009**		**3E-08**		**4E-08**	**7E-08**
	Middle	Arsenic	0.0095	3.0E-04	I	1.5	I	Cardiovascular; Skin, Hair & Nails	4.43E-07	0.001	1.66E-07	0.0006	1.3E-08	2E-08	1.9E-08	3E-08	5E-08
		Cadmium	0.0155	1.0E-03	I	--	--	Urinary	7 21E-07	0.0007	2.70E-07	0.0003	2.1E-08		3.1E-08		
		Selenium	0.00642	5.0E-03	I	--	--	Nervous; Hematologic; Skin, Hair & Nails	3.00E-07	0.00006	1.12E-07	0.00002	8.6E-09		1.3E-08		
		Middle Ingestion Total								**0.002**		**0.0009**		**2E-08**		**3E-08**	**5E-08**
	Upper	Arsenic	0.0232	3.0E-04	I	1.5	I	Cardiovascular; Skin, Hair & Nails	1.08E-06	0.004	4.07E-07	0.001	3.1E-08	5E-08	4.6E-08	7E-08	1E-07
		Cadmium	0.0304	1.0E-03	I	--	--	Urinary	1.42E-06	0.001	5.32E-07	0.0005	4.1E-08		6.1E-08		
		Selenium	0.0699	5.0E-03	I	--	--	Nervous; Hematologic; Skin, Hair & Nails	3 26E-06	0.0007	1.22E-06	0.0002	9.3E-08		1.4E-07		
		Upper Ingestion Total								**0.006**		**0.002**		**5E-08**		**7E-08**	**1E-07**

ND = not detected
-- = no toxicity value available

Sources: I = IRIS H = HEAST A = HEAST Alternate M = ATSDR MRL (chronic)
E = EPA-NCEA provisional value O = other P = EPA provisional peer-reviewed value

Total HQ by Target Organ System

River Region	*Lower*		*Middle*		*Upper*	
Organ System	Child	Adult	Child	Adult	Child	Adult
Cardiovascular	0.002	0.0008	0.001	0.0006	0.004	0.001
Hematologic			0.00006	0.00002	0.0007	0.0002
Skin, Hair & Nails	0.002	0.0008	0.002	0.0006	0.004	0.002
Urinary	0.0002	0.00008	0.0007	0.0003	0.001	0.0005

Table 139. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME CHIRU: Incidential Ingestion of Tule

Analyte Name	Aquatic Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer		Cancer		
								Adult		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	TWA
Antimony	0.00267	0.0004	I	--	--	(a)	Hematologic	3.7E-08	0.00009	1.0E-08		
Arsenic	0.0152	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails	2.1E-07	0.0007	6.0E-08	9E-08	9E-08
Chromium	1.19	0.003	I	--	--	(b)	None	1.6E-05	0.005	4.7E-06		
Cobalt	0.023	0.0003	P	--	--		Endocrine	3.2E-07	0.001	9.0E-08		
Iron	20.0	0.7	P	--	--		Gastrointestinal	2.7E-04	0.0004	7.8E-05		
Manganese	38.9	0.14	I	--	--		Nervous	5.3E-04	0.004	1.5E-04		
Thallium	0.00129	0.00001	X	--	--		Skin, Hair & Nails	1.8E-08	0.002	5.1E-09		
							Ingestion Total		**0.01**		**9E-08**	**9E-08**

-- = no toxicity value available

(a) Based on toxicity values for water.

(b) Based on toxicity values for Chromium (VI).

Sources: I = IRIS, P = EPA provisional peer-reviewed value, X = Appendix PPRTV Screen

Cardiovascular HI	0.0007
Endocrine HI	0.001
Gastrointestinal HI	0.0004
Hematologic HI	0.00009
Nervous HI	0.004
Skin, Hair & Nails HI	0.002

Table 140. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME CHIRU: Incidential Ingestion of Willow

Analyte Name	Aquatic Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer		Cancer		
								Adult		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	TWA
Antimony	0.0105	0.0004	I	--	--	(a)	Hematologic	1.4E-07	0.0004	4.1E-08		
Arsenic	0.0424	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails	5.8E-07	0.002	1.7E-07	2E-07	2E-07
Chromium	0.464	0.003	I	--	--	(b)	None	6.4E-06	0.002	1.8E-06		
Cobalt	0.032	0.0003	P	--	--		Endocrine	4.4E-07	0.001	1.3E-07		
Iron	25.0	0.7	P	--	--		Gastrointestinal	3.4E-04	0.0005	9.8E-05		
Manganese	18.7	0.14	I	--	--		Nervous	2.6E-04	0.002	7.3E-05		
Thallium	0.0912	0.00001	X	--	--		Skin, Hair & Nails	1.3E-06	0.1	3.6E-07		
							Ingestion Total		**0.1**		**2E-07**	**2E-07**

-- = no toxicity value available

(a) Based on toxicity values for water.

(b) Based on toxicity values for Chromium (VI).

Sources: I = IRIS, P = EPA provisional peer-reviewed value, X = Appendix PPRTV Screen

Cardiovascular HI	0.002
Endocrine HI	0.001
Gastrointestinal HI	0.0005
Hematologic HI	0.0004
Nervous HI	0.002
Skin, Hair & Nails HI	0.1

Table 141. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE CHIRU: Incidential Ingestion of Tule

Analyte Name	Aquatic Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer		Cancer		
								Adult		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	TWA
Antimony	0.00267	0.0004	I	--	--	(a)	Hematologic	3.3E-09	0.000008	3.8E-10		
Arsenic	0.0152	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails	1.9E-08	0.00006	2.2E-09	3E-09	3E-09
Chromium	1.19	0.003	I	--	--	(b)	None	1.5E-06	0.0005	1.7E-07		
Cobalt	0.023	0.0003	P	--	--		Endocrine	2.9E-08	0.0001	3.3E-09		
Iron	20.0	0.7	P	--	--		Gastrointestinal	2.5E-05	0.00004	2.9E-06		
Manganese	38.9	0.14	I	--	--		Nervous	4.9E-05	0.0003	5.6E-06		
Thallium	0.00129	0.00001	X	--	--		Skin, Hair & Nails	1.6E-09	0.0002	1.8E-10		
							Ingestion Total		**0.001**		**3E-09**	**3E-09**

-- = no toxicity value available

(a) Based on toxicity values for water.

(b) Based on toxicity values for Chromium (VI).

Sources: I = IRIS, P = EPA provisional peer-reviewed value, X = Appendix PPRTV Screen

Cardiovascular HI	0.00006
Endocrine HI	0.0001
Gastrointestinal HI	0.00004
Hematologic HI	0.000008
Nervous HI	0.0003
Skin, Hair & Nails HI	0.0002

Table 142. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE CHIRU: Incidential Ingestion of Willow

Analyte Name	Aquatic Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer		Cancer		
								Adult		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	TWA
Antimony	0.0105	0.0004	I	--	--	(a)	Hematologic	1.3E-08	0.00003	1.5E-09		
Arsenic	0.0424	0.0003	I	1.5	I		Cardiovascular; Skin, Hair & Nails	5.3E-08	0.0002	6.1E-09	9E-09	9E-09
Chromium	0.464	0.003	I	--	--	(b)	None	5.8E-07	0.0002	6.6E-08		
Cobalt	0.032	0.0003	P	--	--		Endocrine	4.0E-08	0.0001	4.6E-09		
Iron	25.0	0.7	P	--	--		Gastrointestinal	3.1E-05	0.00004	3.6E-06		
Manganese	18.7	0.14	I	--	--		Nervous	2.3E-05	0.0002	2.7E-06		
Thallium	0.0912	0.00001	X	--	--		Skin, Hair & Nails	1.1E-07	0.01	1.3E-08		
							Ingestion Total		**0.01**		**9E-09**	**9E-09**

-- = no toxicity value available

(a) Based on toxicity values for water.

(b) Based on toxicity values for Chromium (VI).

Sources: I = IRIS, P = EPA provisional peer-reviewed value, X = Appendix PPRTV Screen

Cardiovascular HI	0.0002
Endocrine HI	0.0001
Gastrointestinal HI	0.00004
Hematologic HI	0.00003
Nervous HI	0.0002
Skin, Hair & Nails HI	0.01

Table 143. Summary of Total Non-Cancer and Cancer Risks for non-lead COPCs for the CHIRU: Plant Consumption

Pathway	Plant Species	RME			CTE		
		Total Child HI	Total Adult HQ	TWA Cancer Risk	Total Child HQ	Total Adult HQ	TWA Cancer Risk
Consumption Terrestrial Plants	Chokecherry	0.08	0.03	1E-06	0.04	0.01	2E-07
	Huckleberry	0.05	0.02	5E-07	0.02	0.006	6E-08
	Sarvisberry	0.3	0.1	3E-06	0.2	0.08	7E-07
	Black Tree Lichen	0.7	0.3	2E-05	0.6	0.2	6E-06
	Rose hips	0.1	0.04	6E-07	0.04	0.01	8E-08
	Kinnikinnick	0.003	0.001	4E-08	0.003	0.001	1E-08
	Rose stems/leaves	0.03	0.01	2E-07	0.01	0.005	2E-08
	Wild mint	0.04	0.01	4E-07	0.04	0.01	1E-07
	Hazelnut	0.2	0.08	4E-07	0.09	0.03	6E-08
	Pine Nut	0.5	0.2	2E-06	0.2	0.07	2E-07
	Lomatium	2	0.6	2E-05	0.9	0.3	4E-06
	Camas	1	0.5	1E-05	0.8	0.3	2E-06
	Spring beauty/Indian potato	2	0.8	2E-05	2	0.8	7E-06
Incidental Ingestion of Aquatic Plants	Tule[a]	--	0.01	9E-08	--	0.001	3E-09
	Willow[a]	--	0.1	2E-07	--	0.01	9E-09

ND = not detected

[a] Child pathway incomplete. Cancer Risk presented in the table is the adult cancer risk.

Table 144. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME CHIRU: Chokecherry Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Aluminum	1 06	1	P	--	--		Nervous	4 7E-04	0 0005	1 76E-04	0 0002	4 0E-05		5 0E-05		
Antimony	0 00235	0 0004	I	--	--	(a)	Hematologic	1 0E-06	0 003	3 88E-07	0 001	8 9E-08		1 1E-07		
Arsenic	0 00879	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	3 9E-06	0 01	1 45E-06	0 005	3 3E-07	5E-07	4 1E-07	6E-07	1E-06
Cadmium	0 0016	0 001	I	--	--		Urinary	7 0E-07	0 0007	2 64E-07	0 0003	6 0E-08		7 5E-08		
Chromium	0 0467	0 003	I	--	--	(b)	None	2 1E-05	0 007	7 71E-06	0 003	1 8E-06		2 2E-06		
Cobalt	0 00346	0 0003	P	--	--		Endocrine	1 5E-06	0 005	5 71E-07	0 002	1 3E-07		1 6E-07		
Iron	3 58	0 7	P	--	--		Gastrointestinal	1 6E-03	0 002	5 90E-04	0 0008	1 3E-04		1 7E-04		
Manganese	2 94	0 14	I	--	--		Nervous	1 3E-03	0 009	4 85E-04	0 003	1 1E-04		1 4E-04		
Nickel	0 192	0 02	I	--	--	(c)	Developmental	8 4E-05	0 004	3 17E-05	0 002	7 2E-06		9 1E-06		
Thallium	0 000788	0 00001	X	--	--		Skin, Hair & Nails	3 5E-07	0 03	1 30E-07	0 01	3 0E-08		3 7E-08		
Vanadium	0 00466	0 00504	S	--	--		Skin, Hair & Nails	2 1E-06	0 0004	7 69E-07	0 0002	1 8E-07		2 2E-07		
							Ingestion Total		**0.08**		**0.03**		**5E-07**		**6E-07**	**1E-06**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 01	0 005
Developmental HI	0 004	0 002
Endocrine HI	0 005	0 002
Gastrointestinal HI	0 002	0 0008
Hematologic HI	0 003	0 001
Nervous HI	0 009	0 003
Skin, Hair & Nails HI	0 05	0 02
Urinary HI	0 0007	0 0003

Table 145. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME CHIRU: Huckleberry Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		TWA
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Aluminum	6 4	1	P	--	--		Nervous	1 4E-03	0 001	5 28E-04	0 0005	1 2E-04		1 5E-04		
Antimony	0 00174	0 0004	I	--	--	(a)	Hematologic	3 8E-07	0 001	1 44E-07	0 0004	3 3E-08		4 1E-08		
Arsenic	0 00862	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	1 9E-06	0 006	7 11E-07	0 002	1 6E-07	2E-07	2 0E-07	3E-07	5E-07
Cadmium	0 0941	0 001	I	--	--		Urinary	2 1E-05	0 02	7 76E-06	0 008	1 8E-06		2 2E-06		
Chromium	0 013	0 003	I	--	--	(b)	None	2 9E-06	0 001	1 07E-06	0 0004	2 5E-07		3 1E-07		
Cobalt	0 00835	0 0003	P	--	--		Endocrine	1 8E-06	0 006	6 89E-07	0 002	1 6E-07		2 0E-07		
Iron	2 29	0 7	P	--	--		Gastrointestinal	5 0E-04	0 0007	1 89E-04	0 0003	4 3E-05		5 4E-05		
Manganese	8 89	0 14	I	--	--		Nervous	2 0E-03	0 01	7 33E-04	0 005	1 7E-04		2 1E-04		
Nickel	0 0968	0 02	I	--	--	(c)	Developmental	2 1E-05	0 001	7 99E-06	0 0004	1 8E-06		2 3E-06		
Thallium	ND	0 00001	X	--	--		Skin, Hair & Nails	ND		ND		ND		ND		
Vanadium	ND	0 00504	S	--	--		Skin, Hair & Nails	ND		ND		ND		ND		
							Ingestion Total		**0.05**		**0.02**		**2E-07**		**3E-07**	**5E-07**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 006	0 002
Developmental HI	0 001	0 0004
Endocrine HI	0 006	0 002
Gastrointestinal HI	0 0007	0 0003
Hematologic HI	0 001	0 0004
Nervous HI	0 01	0 005
Skin, Hair & Nails HI	0 006	0 002
Urinary HI	0 02	0 008

Table 146. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME CHIRU: Sarvisberry Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		TWA
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Aluminum	6 63	1	P	--	--		Nervous	2 6E-03	0 003	9 62E-04	0 001	2 2E-04		2 7E-04		
Antimony	0 0149	0 0004	I	--	--	(a)	Hematologic	5 8E-06	0 01	2 16E-06	0 005	4 9E-07		6 2E-07		
Arsenic	0 0254	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	9 8E-06	0 03	3 68E-06	0 01	8 4E-07	1E-06	1 1E-06	2E-06	3E-06
Cadmium	0 163	0 001	I	--	--		Urinary	6 3E-05	0 06	2 36E-05	0 02	5 4E-06		6 8E-06		
Chromium	0 39	0 003	I	--	--	(b)	None	1 5E-04	0 05	5 66E-05	0 02	1 3E-05		1 6E-05		
Cobalt	0 0408	0 0003	P	--	--		Endocrine	1 6E-05	0 05	5 92E-06	0 02	1 4E-06		1 7E-06		
Iron	19 7	0 7	P	--	--		Gastrointestinal	7 6E-03	0 01	2 85E-03	0 004	6 5E-04		8 1E-04		
Manganese	34 5	0 14	I	--	--		Nervous	1 3E-02	0 1	5 01E-03	0 04	1 1E-03		1 4E-03		
Nickel	0 814	0 02	I	--	--	(c)	Developmental	3 1E-04	0 02	1 18E-04	0 006	2 7E-05		3 4E-05		
Thallium	ND	0 00001	X	--	--		Skin, Hair & Nails	ND		ND		ND		ND		
Vanadium	0 0217	0 00504	S	--	--		Skin, Hair & Nails	8 4E-06	0 002	3 15E-06	0 0006	7 2E-07		9 0E-07		
							Ingestion Total		**0.3**		**0.1**		**1E-06**		**2E-06**	**3E-06**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 03	0 01
Developmental HI	0 02	0 006
Endocrine HI	0 05	0 02
Gastrointestinal HI	0 01	0 004
Hematologic HI	0 01	0 005
Nervous HI	0 1	0 04
Skin, Hair & Nails HI	0 03	0 01
Urinary HI	0 06	0 02

Table 147. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME CHIRU: Black Tree Lichen Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Aluminum	201	1	P	--	--		Nervous	1 1E-02	0 01	4 26E-03	0 004	9 7E-04		1 2E-03		
Antimony	1 09	0 0004	I	--	--	(a)	Hematologic	6 2E-05	0 2	2 31E-05	0 06	5 3E-06		6 6E-06		
Arsenic	1 16	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	6 6E-05	0 2	2 47E-05	0 08	5 7E-06	8E-06	7 1E-06	1E-05	2E-05
Cadmium	2 01	0 001	I	--	--		Urinary	1 1E-04	0 1	4 27E-05	0 04	9 8E-06		1 2E-05		
Chromium	0 576	0 003	I	--	--	(b)	None	3 3E-05	0 01	1 22E-05	0 004	2 8E-06		3 5E-06		
Cobalt	0 115	0 0003	P	--	--		Endocrine	6 5E-06	0 02	2 44E-06	0 008	5 6E-07		7 0E-07		
Iron	252	0 7	P	--	--		Gastrointestinal	1 4E-02	0 02	5 35E-03	0 008	1 2E-03		1 5E-03		
Manganese	20	0 14	I	--	--		Nervous	1 1E-03	0 008	4 25E-04	0 003	9 7E-05		1 2E-04		
Nickel	0 382	0 02	I	--	--	(c)	Developmental	2 2E-05	0 001	8 12E-06	0 0004	1 9E-06		2 3E-06		
Thallium	0 028	0 00001	X	--	--		Skin, Hair & Nails	1 6E-06	0 2	5 97E-07	0 06	1 4E-07		1 7E-07		
Vanadium	0 598	0 00504	S	--	--		Skin, Hair & Nails	3 4E-05	0 007	1 27E-05	0 003	2 9E-06		3 6E-06		
							Ingestion Total		**0.7**		**0.3**		**8E-06**		**1E-05**	**2E-05**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 2	0 08
Developmental HI	0 001	0 0004
Endocrine HI	0 02	0 008
Gastrointestinal HI	0 02	0 008
Hematologic HI	0 2	0 06
Nervous HI	0 008	0 003
Skin, Hair & Nails HI	0 4	0 1
Urinary HI	0 1	0 04

Table 148. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME CHIRU: Rose hips Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		TWA
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Aluminum	5 09	1	P	--	--		Nervous	8 0E-04	0 0008	2 99E-04	0 0003	6 8E-05		8 5E-05		
Antimony	0 00367	0 0004	I	--	--	(a)	Hematologic	5 7E-07	0 001	2 16E-07	0 0005	4 9E-08		6 2E-08		
Arsenic	0 0136	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	2 1E-06	0 007	7 99E-07	0 003	1 8E-07	3E-07	2 3E-07	3E-07	6E-07
Cadmium	0 0235	0 001	I	--	--		Urinary	3 7E-06	0 004	1 38E-06	0 001	3 2E-07		3 9E-07		
Chromium	0 871	0 003	I	--	--	(b)	None	1 4E-04	0 05	5 12E-05	0 02	1 2E-05		1 5E-05		
Cobalt	0 0181	0 0003	P	--	--		Endocrine	2 8E-06	0 009	1 06E-06	0 004	2 4E-07		3 0E-07		
Iron	14 2	0 7	P	--	--		Gastrointestinal	2 2E-03	0 003	8 35E-04	0 001	1 9E-04		2 4E-04		
Manganese	23 4	0 14	I	--	--		Nervous	3 7E-03	0 03	1 38E-03	0 01	3 1E-04		3 9E-04		
Nickel	0 509	0 02	I	--	--	(c)	Developmental	8 0E-05	0 004	2 99E-05	0 001	6 8E-06		8 5E-06		
Thallium	ND	0 00001	X	--	--		Skin, Hair & Nails	ND		ND		ND		ND		
Vanadium	0 0210	0 00504	S	--	--		Skin, Hair & Nails	3 3E-06	0 0007	1 23E-06	0 0002	2 8E-07		3 5E-07		
							Ingestion Total		**0.1**		**0.04**		**3E-07**		**3E-07**	**6E-07**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 007	0 003
Developmental HI	0 004	0 001
Endocrine HI	0 009	0 004
Gastrointestinal HI	0 003	0 001
Hematologic HI	0 001	0 0005
Nervous HI	0 03	0 01
Skin, Hair & Nails HI	0 008	0 003
Urinary HI	0 004	0 001

Table 149. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME CHIRU: Kinnikinnick Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Aluminum	21 2	1	P	--	--		Nervous	5 6E-05	0 00006	2 12E-05	0 00002	4 8E-06		6 0E-06		
Antimony	0 022	0 0004	I	--	--	(a)	Hematologic	5 9E-08	0 0001	2 20E-08	0 00006	5 0E-09		6 3E-09		
Arsenic	0 0518	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	1 4E-07	0 0005	5 18E-08	0 0002	1 2E-08	2E-08	1 5E-08	2E-08	4E-08
Cadmium	0 0704	0 001	I	--	--		Urinary	1 9E-07	0 0002	7 04E-08	0 00007	1 6E-08		2 0E-08		
Chromium	0 138	0 003	I	--	--	(b)	None	3 7E-07	0 0001	1 38E-07	0 00005	3 2E-08		3 9E-08		
Cobalt	0 011	0 0003	P	--	--		Endocrine	2 9E-08	0 0001	1 10E-08	0 00004	2 5E-09		3 1E-09		
Iron	20 8	0 7	P	--	--		Gastrointestinal	5 5E-05	0 00008	2 08E-05	0 00003	4 7E-06		5 9E-06		
Manganese	16 8	0 14	I	--	--		Nervous	4 5E-05	0 0003	1 68E-05	0 0001	3 8E-06		4 8E-06		
Nickel	0 105	0 02	I	--	--	(c)	Developmental	2 8E-07	0 00001	1 05E-07	0 000005	2 4E-08		3 0E-08		
Thallium	0 007	0 00001	X	--	--		Skin, Hair & Nails	1 9E-08	0 002	7 01E-09	0 0007	1 6E-09		2 0E-09		
Vanadium	0 0346	0 00504	S	--	--		Skin, Hair & Nails	9 2E-08	0 00002	3 46E-08	0 000007	7 9E-09		9 9E-09		
							Ingestion Total		**0.003**		**0.001**		**2E-08**		**2E-08**	**4E-08**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 0005	0 0002
Developmental HI	0 00001	0 000005
Endocrine HI	0 0001	0 00004
Gastrointestinal HI	0 00008	0 00003
Hematologic HI	0 0001	0 00006
Nervous HI	0 0003	0 0001
Skin, Hair & Nails HI	0 002	0 0009
Urinary HI	0 0002	0 00007

Table 150. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME CHIRU: Rose stems/leaves Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Aluminum	13 2	1	P	--	--		Nervous	2 2E-04	0 0002	8 26E-05	0 00008	1 9E-05		2 4E-05		
Antimony	0 0141	0 0004	I	--	--	(a)	Hematologic	2 4E-07	0 0006	8 81E-08	0 0002	2 0E-08		2 5E-08		
Arsenic	0 0338	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	5 6E-07	0 002	2 11E-07	0 0007	4 8E-08	7E-08	6 0E-08	9E-08	2E-07
Cadmium	0 294	0 001	I	--	--		Urinary	4 9E-06	0 005	1 84E-06	0 002	4 2E-07		5 3E-07		
Chromium	1 7	0 003	I	--	--	(b)	None	2 8E-05	0 009	1 06E-05	0 004	2 4E-06		3 0E-06		
Cobalt	0 0166	0 0003	P	--	--		Endocrine	2 8E-07	0 0009	1 04E-07	0 0003	2 4E-08		3 0E-08		
Iron	33	0 7	P	--	--		Gastrointestinal	5 5E-04	0 0008	2 06E-04	0 0003	4 7E-05		5 9E-05		
Manganese	57 5	0 14	I	--	--		Nervous	9 6E-04	0 007	3 60E-04	0 003	8 2E-05		1 0E-04		
Nickel	0 278	0 02	I	--	--	(c)	Developmental	4 6E-06	0 0002	1 74E-06	0 00009	4 0E-07		5 0E-07		
Thallium	0 00423	0 00001	X	--	--		Skin, Hair & Nails	7 1E-08	0 007	2 64E-08	0 003	6 0E-09		7 6E-09		
Vanadium	0 0396	0 00504	S	--	--		Skin, Hair & Nails	6 6E-07	0 0001	2 48E-07	0 00005	5 7E-08		7 1E-08		
							Ingestion Total		**0.03**		**0.01**		**7E-08**		**9E-08**	**2E-07**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 002	0 0007
Developmental HI	0 0002	0 00009
Endocrine HI	0 0009	0 0003
Gastrointestinal HI	0 0008	0 0003
Hematologic HI	0 0006	0 0002
Nervous HI	0 007	0 003
Skin, Hair & Nails HI	0 009	0 003
Urinary HI	0 005	0 002

Table 151. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME CHIRU: Wild mint Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Aluminum	47 8	1	P	--	--		Nervous	4 0E-03	0 004	1 49E-03	0 001	3 4E-04		4 3E-04		
Antimony	0 00655	0 0004	I	--	--	(a)	Hematologic	5 5E-07	0 001	2 05E-07	0 0005	4 7E-08		5 8E-08		
Arsenic	0 0149	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	1 2E-06	0 004	4 66E-07	0 002	1 1E-07	2E-07	1 3E-07	2E-07	4E-07
Cadmium	0 0123	0 001	I	--	--		Urinary	1 0E-06	0 001	3 84E-07	0 0004	8 8E-08		1 1E-07		
Chromium	0 186	0 003	I	--	--	(b)	None	1 6E-05	0 005	5 81E-06	0 002	1 3E-06		1 7E-06		
Cobalt	0 0164	0 0003	P	--	--		Endocrine	1 4E-06	0 005	5 13E-07	0 002	1 2E-07		1 5E-07		
Iron	33 5	0 7	P	--	--		Gastrointestinal	2 8E-03	0 004	1 05E-03	0 001	2 4E-04		3 0E-04		
Manganese	7 98	0 14	I	--	--		Nervous	6 6E-04	0 005	2 49E-04	0 002	5 7E-05		7 1E-05		
Nickel	0 0789	0 02	I	--	--	(c)	Developmental	6 6E-06	0 0003	2 47E-06	0 0001	5 6E-07		7 0E-07		
Thallium	0 000785	0 00001	X	--	--		Skin, Hair & Nails	6 5E-08	0 007	2 45E-08	0 002	5 6E-09		7 0E-09		
Vanadium	0 11	0 00504	S	--	--		Skin, Hair & Nails	9 2E-06	0 002	3 44E-06	0 0007	7 9E-07		9 8E-07		
Ingestion Total									**0.04**		**0.01**		**2E-07**		**2E-07**	**4E-07**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 004	0 002
Developmental HI	0 0003	0 0001
Endocrine HI	0 005	0 002
Gastrointestinal HI	0 004	0 001
Hematologic HI	0 001	0 0005
Nervous HI	0 005	0 002
Skin, Hair & Nails HI	0 01	0 005
Urinary HI	0 001	0 0004

Table 152. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME CHIRU: Hazelnut Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		TWA
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Aluminum	0 570	1	P	--	--		Nervous	3 6E-05	0 00004	1 35E-05	0 00001	3 1E-06		3 9E-06		
Antimony	0 0051	0 0004	I	--	--	(a)	Hematologic	3 2E-07	0 0008	1 21E-07	0 0003	2 8E-08		3 5E-08		
Arsenic	0 0207	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	1 3E-06	0 004	4 92E-07	0 002	1 1E-07	2E-07	1 4E-07	2E-07	4E-07
Cadmium	0 0476	0 001	I	--	--		Urinary	3 0E-06	0 003	1 13E-06	0 001	2 6E-07		3 2E-07		
Chromium	4 08	0 003	I	--	--	(b)	None	2 6E-04	0 09	9 70E-05	0 03	2 2E-05		2 8E-05		
Cobalt	0 0352	0 0003	P	--	--		Endocrine	2 2E-06	0 007	8 36E-07	0 003	1 9E-07		2 4E-07		
Iron	28 8	0 7	P	--	--		Gastrointestinal	1 8E-03	0 003	6 83E-04	0 001	1 6E-04		2 0E-04		
Manganese	118 7	0 14	I	--	--		Nervous	7 5E-03	0 05	2 82E-03	0 02	6 4E-04		8 1E-04		
Nickel	1 87	0 02	I	--	--	(c)	Developmental	1 2E-04	0 006	4 45E-05	0 002	1 0E-05		1 3E-05		
Thallium	0 0081	0 00001	X	--	--		Skin, Hair & Nails	5 1E-07	0 05	1 92E-07	0 02	4 4E-08		5 5E-08		
Vanadium	0 0199	0 00504	S	--	--		Skin, Hair & Nails	1 3E-06	0 0003	4 73E-07	0 00009	1 1E-07		1 4E-07		
Ingestion Total									**0.2**		**0.08**		**2E-07**		**2E-07**	**4E-07**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 004	0 002
Developmental HI	0 006	0 002
Endocrine HI	0 007	0 003
Gastrointestinal HI	0 003	0 001
Hematologic HI	0 0008	0 0003
Nervous HI	0 05	0 02
Skin, Hair & Nails HI	0 06	0 02
Urinary HI	0 003	0 001

Table 153. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME CHIRU: Pine Nut Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Aluminum	35 2	1	P	--	--		Nervous	3 6E-03	0 004	1 36E-03	0 001	3 1E-04		3 9E-04		
Antimony	0 0291	0 0004	I	--	--	(a)	Hematologic	3 0E-06	0 008	1 13E-06	0 003	2 6E-07		3 2E-07		
Arsenic	0 056	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	5 8E-06	0 02	2 17E-06	0 007	5 0E-07	7E-07	6 2E-07	9E-07	2E-06
Cadmium	0 874	0 001	I	--	--		Urinary	9 0E-05	0 09	3 39E-05	0 03	7 7E-06		9 7E-06		
Chromium	7 06	0 003	I	--	--	(b)	None	7 3E-04	0 2	2 74E-04	0 09	6 3E-05		7 8E-05		
Cobalt	0 128	0 0003	P	--	--		Endocrine	1 3E-05	0 04	4 96E-06	0 02	1 1E-06		1 4E-06		
Iron	90 7	0 7	P	--	--		Gastrointestinal	9 4E-03	0 01	3 52E-03	0 005	8 0E-04		1 0E-03		
Manganese	65 1	0 14	I	--	--		Nervous	6 7E-03	0 05	2 52E-03	0 02	5 8E-04		7 2E-04		
Nickel	4 47	0 02	I	--	--	(c)	Developmental	4 6E-04	0 02	1 73E-04	0 009	4 0E-05		4 9E-05		
Thallium	ND	0 00001	X	--	--		Skin, Hair & Nails	ND		ND		ND		ND		
Vanadium	0 0543	0 00504	S	--	--		Skin, Hair & Nails	5 6E-06	0 001	2 10E-06	0 0004	4 8E-07		6 0E-07		
							Ingestion Total		**0.5**		**0.2**		**7E-07**		**9E-07**	**2E-06**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 02	0 007
Developmental HI	0 02	0 009
Endocrine HI	0 04	0 02
Gastrointestinal HI	0 01	0 005
Hematologic HI	0 008	0 003
Nervous HI	0 05	0 02
Skin, Hair & Nails HI	0 02	0 008
Urinary HI	0 09	0 03

Table 154. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME CHIRU: Lomatium Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		TWA
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Aluminum	343	1	P	--	--		Nervous	5 5E-02	0 05	2 06E-02	0 02	4 7E-03		5 9E-03		
Antimony	0 439	0 0004	I	--	--	(a)	Hematologic	7 0E-05	0 2	2 63E-05	0 07	6 0E-06		7 5E-06		
Arsenic	0 397	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	6 4E-05	0 2	2 38E-05	0 08	5 4E-06	8E-06	6 8E-06	1E-05	2E-05
Cadmium	1 2	0 001	I	--	--		Urinary	2 0E-04	0 2	7 31E-05	0 07	1 7E-05		2 1E-05		
Chromium	2 2	0 003	I	--	--	(b)	None	3 6E-04	0 1	1 34E-04	0 04	3 1E-05		3 8E-05		
Cobalt	0 187	0 0003	P	--	--		Endocrine	3 0E-05	0 1	1 12E-05	0 04	2 6E-06		3 2E-06		
Iron	303	0 7	P	--	--		Gastrointestinal	4 9E-02	0 07	1 82E-02	0 03	4 2E-03		5 2E-03		
Manganese	29 6	0 14	I	--	--		Nervous	4 7E-03	0 03	1 78E-03	0 01	4 1E-04		5 1E-04		
Nickel	2 17	0 02	I	--	--	(c)	Developmental	3 5E-04	0 02	1 30E-04	0 007	3 0E-05		3 7E-05		
Thallium	0 0376	0 00001	X	--	--		Skin, Hair & Nails	6 0E-06	0 6	2 26E-06	0 2	5 2E-07		6 4E-07		
Vanadium	2 8	0 00504	S	--	--		Skin, Hair & Nails	4 5E-04	0 09	1 68E-04	0 03	3 8E-05		4 8E-05		
							Ingestion Total		**2**		**0.6**		**8E-06**		**1E-05**	**2E-05**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 2	0 08
Developmental HI	0 02	0 007
Endocrine HI	0 1	0 04
Gastrointestinal HI	0 07	0 03
Hematologic HI	0 2	0 07
Nervous HI	0 03	0 01
Skin, Hair & Nails HI	0 9	0 3
Urinary HI	0 2	0 07

Table 155. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME CHIRU: Camas Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Aluminum	120	1	P	--	--		Nervous	1 9E-02	0 02	7 17E-03	0 007	1 6E-03		2 0E-03		
Antimony	0 254	0 0004	I	--	--	(a)	Hematologic	4 1E-05	0 1	1 52E-05	0 04	3 5E-06		4 4E-06		
Arsenic	0 263	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	4 2E-05	0 1	1 58E-05	0 05	3 6E-06	5E-06	4 5E-06	7E-06	1E-05
Cadmium	2 34	0 001	I	--	--		Urinary	3 7E-04	0 4	1 41E-04	0 1	3 2E-05		4 0E-05		
Chromium	0 18	0 003	I	--	--	(b)	None	2 9E-05	0 01	1 08E-05	0 004	2 5E-06		3 1E-06		
Cobalt	0 0582	0 0003	P	--	--		Endocrine	9 3E-06	0 03	3 49E-06	0 01	8 0E-07		1 0E-06		
Iron	107	0 7	P	--	--		Gastrointestinal	1 7E-02	0 02	6 42E-03	0 009	1 5E-03		1 8E-03		
Manganese	17 7	0 14	I	--	--		Nervous	2 8E-03	0 02	1 06E-03	0 008	2 4E-04		3 0E-04		
Nickel	0 158	0 02	I	--	--	(c)	Developmental	2 5E-05	0 001	9 48E-06	0 0005	2 2E-06		2 7E-06		
Thallium	0 0425	0 00001	X	--	--		Skin, Hair & Nails	6 8E-06	0 7	2 55E-06	0 3	5 8E-07		7 3E-07		
Vanadium	0 285	0 00504	S	--	--		Skin, Hair & Nails	4 6E-05	0 009	1 71E-05	0 003	3 9E-06		4 9E-06		
							Ingestion Total		**1**		**0.5**		**5E-06**		**7E-06**	**1E-05**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 1	0 05
Developmental HI	0 001	0 0005
Endocrine HI	0 03	0 01
Gastrointestinal HI	0 02	0 009
Hematologic HI	0 1	0 04
Nervous HI	0 02	0 008
Skin, Hair & Nails HI	0 8	0 3
Urinary HI	0 4	0 1

Table 156. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME CHIRU: Spring beauty/Indian potato Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Aluminum	326	1	P	--	--		Nervous	2 4E-02	0 02	8 96E-03	0 009	2 0E-03		2 6E-03		
Antimony	0 444	0 0004	I	--	--	(a)	Hematologic	3 3E-05	0 08	1 22E-05	0 03	2 8E-06		3 5E-06		
Arsenic	0 875	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	6 4E-05	0 2	2 41E-05	0 08	5 5E-06	8E-06	6 9E-06	1E-05	2E-05
Cadmium	4 55	0 001	I	--	--		Urinary	3 3E-04	0 3	1 25E-04	0 1	2 9E-05		3 6E-05		
Chromium	0 651	0 003	I	--	--	(b)	None	4 8E-05	0 02	1 79E-05	0 006	4 1E-06		5 1E-06		
Cobalt	0 164	0 0003	P	--	--		Endocrine	1 2E-05	0 04	4 51E-06	0 02	1 0E-06		1 3E-06		
Iron	528	0 7	P	--	--		Gastrointestinal	3 9E-02	0 06	1 45E-02	0 02	3 3E-03		4 1E-03		
Manganese	26 6	0 14	I	--	--		Nervous	1 9E-03	0 01	7 31E-04	0 005	1 7E-04		2 1E-04		
Nickel	0 559	0 02	I	--	--	(c)	Developmental	4 1E-05	0 002	1 54E-05	0 0008	3 5E-06		4 4E-06		
Thallium	0 174	0 00001	X	--	--		Skin, Hair & Nails	1 3E-05	1	4 79E-06	0 5	1 1E-06		1 4E-06		
Vanadium	1 03	0 00504	S	--	--		Skin, Hair & Nails	7 5E-05	0 01	2 83E-05	0 006	6 5E-06		8 1E-06		
							Ingestion Total		**2**		**0.8**		**8E-06**		**1E-05**	**2E-05**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 2	0 08
Developmental HI	0 002	0 0008
Endocrine HI	0 04	0 02
Gastrointestinal HI	0 06	0 02
Hematologic HI	0 08	0 03
Nervous HI	0 01	0 005
Skin, Hair & Nails HI	2	0 6
Urinary HI	0 3	0 1

Table 157. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE CHIRU: Chokecherry Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Aluminum	1 06	1	P	--	--		Nervous	2 3E-04	0 0002	8 78E-05	0 00009	6 7E-06		1 0E-05		
Antimony	0 00235	0 0004	I	--	--	(a)	Hematologic	5 2E-07	0 001	1 94E-07	0 0005	1 5E-08		2 2E-08		
Arsenic	0 00879	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	1 9E-06	0 006	7 25E-07	0 002	5 5E-08	8E-08	8 3E-08	1E-07	2E-07
Cadmium	0 0016	0 001	I	--	--		Urinary	3 5E-07	0 0004	1 32E-07	0 0001	1 0E-08		1 5E-08		
Chromium	0 0467	0 003	I	--	--	(b)	None	1 0E-05	0 003	3 85E-06	0 001	2 9E-07		4 4E-07		
Cobalt	0 00346	0 0003	P	--	--		Endocrine	7 6E-07	0 003	2 85E-07	0 001	2 2E-08		3 3E-08		
Iron	3 58	0 7	P	--	--		Gastrointestinal	7 9E-04	0 001	2 95E-04	0 0004	2 2E-05		3 4E-05		
Manganese	2 94	0 14	I	--	--		Nervous	6 5E-04	0 005	2 42E-04	0 002	1 8E-05		2 8E-05		
Nickel	0 192	0 02	I	--	--	(c)	Developmental	4 2E-05	0 002	1 58E-05	0 0008	1 2E-06		1 8E-06		
Thallium	0 000788	0 00001	X	--	--		Skin, Hair & Nails	1 7E-07	0 02	6 50E-08	0 007	5 0E-09		7 4E-09		
Vanadium	0 00466	0 00504	S	--	--		Skin, Hair & Nails	1 0E-06	0 0002	3 84E-07	0 00008	2 9E-08		4 4E-08		
							Ingestion Total		**0.04**		**0.01**		**8E-08**		**1E-07**	**2E-07**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 006	0 002
Developmental HI	0 002	0 0008
Endocrine HI	0 003	0 001
Gastrointestinal HI	0 001	0 0004
Hematologic HI	0 001	0 0005
Nervous HI	0 005	0 002
Skin, Hair & Nails HI	0 02	0 009
Urinary HI	0 0004	0 0001

Table 158. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE CHIRU: Huckleberry Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Aluminum	6 4	1	P	--	--		Nervous	4 1E-04	0 0004	1 52E-04	0 0002	1 2E-05		1 7E-05		
Antimony	0 00174	0 0004	I	--	--	(a)	Hematologic	1 1E-07	0 0003	4 13E-08	0 0001	3 1E-09		4 7E-09		
Arsenic	0 00862	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	5 5E-07	0 002	2 05E-07	0 0007	1 6E-08	2E-08	2 3E-08	4E-08	6E-08
Cadmium	0 0941	0 001	I	--	--		Urinary	6 0E-06	0 006	2 23E-06	0 002	1 7E-07		2 6E-07		
Chromium	0 013	0 003	I	--	--	(b)	None	8 2E-07	0 0003	3 09E-07	0 0001	2 4E-08		3 5E-08		
Cobalt	0 00835	0 0003	P	--	--		Endocrine	5 3E-07	0 002	1 98E-07	0 0007	1 5E-08		2 3E-08		
Iron	2 29	0 7	P	--	--		Gastrointestinal	1 4E-04	0 0002	5 44E-05	0 00008	4 1E-06		6 2E-06		
Manganese	8 89	0 14	I	--	--		Nervous	5 6E-04	0 004	2 11E-04	0 002	1 6E-05		2 4E-05		
Nickel	0 0968	0 02	I	--	--	(c)	Developmental	6 1E-06	0 0003	2 30E-06	0 0001	1 8E-07		2 6E-07		
Thallium	ND	0 00001	X	--	--		Skin, Hair & Nails	ND		ND		ND		ND		
Vanadium	ND	0 00504	S	--	--		Skin, Hair & Nails	ND		ND		ND		ND		
							Ingestion Total		**0.02**		**0.006**		**2E-08**		**4E-08**	**6E-08**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 002	0 0007
Developmental HI	0 0003	0 0001
Endocrine HI	0 002	0 0007
Gastrointestinal HI	0 0002	0 00008
Hematologic HI	0 0003	0 0001
Nervous HI	0 004	0 002
Skin, Hair & Nails HI	0 002	0 0007
Urinary HI	0 006	0 002

Table 159. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE CHIRU: Sarvisberry Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg-d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Aluminum	6 63	1	P	--	--		Nervous	1 7E-03	0 002	6 22E-04	0 0006	4 7E-05		7 1E-05		
Antimony	0 0149	0 0004	I	--	--	(a)	Hematologic	3 7E-06	0 009	1 40E-06	0 003	1 1E-07		1 6E-07		
Arsenic	0 0254	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	6 4E-06	0 02	2 38E-06	0 008	1 8E-07	3E-07	2 7E-07	4E-07	7E-07
Cadmium	0 163	0 001	I	--	--		Urinary	4 1E-05	0 04	1 53E-05	0 02	1 2E-06		1 7E-06		
Chromium	0 39	0 003	I	--	--	(b)	None	9 8E-05	0 03	3 66E-05	0 01	2 8E-06		4 2E-06		
Cobalt	0 0408	0 0003	P	--	--		Endocrine	1 0E-05	0 03	3 83E-06	0 01	2 9E-07		4 4E-07		
Iron	19 7	0 7	P	--	--		Gastrointestinal	4 9E-03	0 007	1 84E-03	0 003	1 4E-04		2 1E-04		
Manganese	34 5	0 14	I	--	--		Nervous	8 6E-03	0 06	3 24E-03	0 02	2 5E-04		3 7E-04		
Nickel	0 814	0 02	I	--	--	(c)	Developmental	2 0E-04	0 01	7 63E-05	0 004	5 8E-06		8 7E-06		
Thallium	ND	0 00001	X	--	--		Skin, Hair & Nails	ND		ND		ND		ND		
Vanadium	0 0217	0 00504	S	--	--		Skin, Hair & Nails	5 4E-06	0 001	2 03E-06	0 0004	1 6E-07		2 3E-07		
							Ingestion Total		**0.2**		**0.08**		**3E-07**		**4E-07**	**7E-07**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 02	0 008
Developmental HI	0 01	0 004
Endocrine HI	0 03	0 01
Gastrointestinal HI	0 007	0 003
Hematologic HI	0 009	0 003
Nervous HI	0 06	0 02
Skin, Hair & Nails HI	0 02	0 008
Urinary HI	0 04	0 02

Table 160. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE CHIRU: Black Tree Lichen Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		TWA
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Aluminum	201	1	P	--	--		Nervous	1 0E-02	0 01	3 76E-03	0 004	2 9E-04		4 3E-04		
Antimony	1 09	0 0004	I	--	--	(a)	Hematologic	5 4E-05	0 1	2 04E-05	0 05	1 6E-06		2 3E-06		
Arsenic	1 16	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	5 8E-05	0 2	2 18E-05	0 07	1 7E-06	2E-06	2 5E-06	4E-06	6E-06
Cadmium	2 01	0 001	I	--	--		Urinary	1 0E-04	0 1	3 77E-05	0 04	2 9E-06		4 3E-06		
Chromium	0 576	0 003	I	--	--	(b)	None	2 9E-05	0 01	1 08E-05	0 004	8 2E-07		1 2E-06		
Cobalt	0 115	0 0003	P	--	--		Endocrine	5 8E-06	0 02	2 16E-06	0 007	1 6E-07		2 5E-07		
Iron	252	0 7	P	--	--		Gastrointestinal	1 3E-02	0 02	4 72E-03	0 007	3 6E-04		5 4E-04		
Manganese	20	0 14	I	--	--		Nervous	1 0E-03	0 007	3 75E-04	0 003	2 9E-05		4 3E-05		
Nickel	0 382	0 02	I	--	--	(c)	Developmental	1 9E-05	0 001	7 16E-06	0 0004	5 5E-07		8 2E-07		
Thallium	0 028	0 00001	X	--	--		Skin, Hair & Nails	1 4E-06	0 1	5 27E-07	0 05	4 0E-08		6 0E-08		
Vanadium	0 598	0 00504	S	--	--		Skin, Hair & Nails	3 0E-05	0 006	1 12E-05	0 002	8 5E-07		1 3E-06		
							Ingestion Total		**0.6**		**0.2**		**2E-06**		**4E-06**	**6E-06**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 2	0 07
Developmental HI	0 001	0 0004
Endocrine HI	0 02	0 007
Gastrointestinal HI	0 02	0 007
Hematologic HI	0 1	0 05
Nervous HI	0 007	0 003
Skin, Hair & Nails HI	0 3	0 1
Urinary HI	0 1	0 04

Table 161. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE CHIRU: Rose hips Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		TWA
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Aluminum	5 09	1	P	--	--		Nervous	2 9E-04	0 0003	1 08E-04	0 0001	8 2E-06		1 2E-05		
Antimony	0 00367	0 0004	I	--	--	(a)	Hematologic	2 1E-07	0 0005	7 80E-08	0 0002	5 9E-09		8 9E-09		
Arsenic	0 0136	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	7 7E-07	0 003	2 89E-07	0 001	2 2E-08	3E-08	3 3E-08	5E-08	8E-08
Cadmium	0 0235	0 001	I	--	--		Urinary	1 3E-06	0 001	4 99E-07	0 0005	3 8E-08		5 7E-08		
Chromium	0 871	0 003	I	--	--	(b)	None	4 9E-05	0 02	1 85E-05	0 006	1 4E-06		2 1E-06		
Cobalt	0 0181	0 0003	P	--	--		Endocrine	1 0E-06	0 003	3 85E-07	0 001	2 9E-08		4 4E-08		
Iron	14 2	0 7	P	--	--		Gastrointestinal	8 1E-04	0 001	3 02E-04	0 0004	2 3E-05		3 5E-05		
Manganese	23 4	0 14	I	--	--		Nervous	1 3E-03	0 009	4 98E-04	0 004	3 8E-05		5 7E-05		
Nickel	0 509	0 02	I	--	--	(c)	Developmental	2 9E-05	0 001	1 08E-05	0 0005	8 2E-07		1 2E-06		
Thallium	ND	0 00001	X	--	--		Skin, Hair & Nails	ND		ND		ND		ND		
Vanadium	0 0210	0 00504	S	--	--		Skin, Hair & Nails	1 2E-06	0 0002	4 46E-07	0 00009	3 4E-08		5 1E-08		
							Ingestion Total		**0.04**		**0.01**		**3E-08**		**5E-08**	**8E-08**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 003	0 001
Developmental HI	0 001	0 0005
Endocrine HI	0 003	0 001
Gastrointestinal HI	0 001	0 0004
Hematologic HI	0 0005	0 0002
Nervous HI	0 009	0 004
Skin, Hair & Nails HI	0 003	0 001
Urinary HI	0 001	0 0005

Table 162. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE CHIRU: Kinnikinnick Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Aluminum	21 2	1	P	--	--		Nervous	5 6E-05	0 00006	2 12E-05	0 00002	1 6E-06		2 4E-06		
Antimony	0 022	0 0004	I	--	--	(a)	Hematologic	5 9E-08	0 0001	2 20E-08	0 00006	1 7E-09		2 5E-09		
Arsenic	0 0518	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	1 4E-07	0 0005	5 18E-08	0 0002	3 9E-09	6E-09	5 9E-09	9E-09	1E-08
Cadmium	0 0704	0 001	I	--	--		Urinary	1 9E-07	0 0002	7 04E-08	0 00007	5 4E-09		8 0E-09		
Chromium	0 138	0 003	I	--	--	(b)	None	3 7E-07	0 0001	1 38E-07	0 00005	1 1E-08		1 6E-08		
Cobalt	0 011	0 0003	P	--	--		Endocrine	2 9E-08	0 0001	1 10E-08	0 00004	8 4E-10		1 3E-09		
Iron	20 8	0 7	P	--	--		Gastrointestinal	5 5E-05	0 00008	2 08E-05	0 00003	1 6E-06		2 4E-06		
Manganese	16 8	0 14	I	--	--		Nervous	4 5E-05	0 0003	1 68E-05	0 0001	1 3E-06		1 9E-06		
Nickel	0 105	0 02	I	--	--	(c)	Developmental	2 8E-07	0 00001	1 05E-07	0 000005	8 0E-09		1 2E-08		
Thallium	0 007	0 00001	X	--	--		Skin, Hair & Nails	1 9E-08	0 002	7 01E-09	0 0007	5 3E-10		8 0E-10		
Vanadium	0 0346	0 00504	S	--	--		Skin, Hair & Nails	9 2E-08	0 00002	3 46E-08	0 000007	2 6E-09		4 0E-09		
							Ingestion Total		**0.003**		**0.001**		**6E-09**		**9E-09**	**1E-08**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 0005	0 0002
Developmental HI	0 00001	0 000005
Endocrine HI	0 0001	0 00004
Gastrointestinal HI	0 00008	0 00003
Hematologic HI	0 0001	0 00006
Nervous HI	0 0003	0 0001
Skin, Hair & Nails HI	0 002	0 0009
Urinary HI	0 0002	0 00007

Table 163. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE CHIRU: Rose stems/leaves Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		TWA
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Aluminum	13 2	1	P	--	--		Nervous	8 8E-05	0 00009	3 30E-05	0 00003	2 5E-06		3 8E-06		
Antimony	0 0141	0 0004	I	--	--	(a)	Hematologic	9 4E-08	0 0002	3 53E-08	0 00009	2 7E-09		4 0E-09		
Arsenic	0 0338	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	2 3E-07	0 0008	8 45E-08	0 0003	6 4E-09	1E-08	9 7E-09	1E-08	2E-08
Cadmium	0 294	0 001	I	--	--		Urinary	2 0E-06	0 002	7 35E-07	0 0007	5 6E-08		8 4E-08		
Chromium	1 7	0 003	I	--	--	(b)	None	1 1E-05	0 004	4 25E-06	0 001	3 2E-07		4 9E-07		
Cobalt	0 0166	0 0003	P	--	--		Endocrine	1 1E-07	0 0004	4 15E-08	0 0001	3 2E-09		4 7E-09		
Iron	33	0 7	P	--	--		Gastrointestinal	2 2E-04	0 0003	8 26E-05	0 0001	6 3E-06		9 4E-06		
Manganese	57 5	0 14	I	--	--		Nervous	3 8E-04	0 003	1 44E-04	0 001	1 1E-05		1 6E-05		
Nickel	0 278	0 02	I	--	--	(c)	Developmental	1 9E-06	0 00009	6 95E-07	0 00003	5 3E-08		7 9E-08		
Thallium	0 00423	0 00001	X	--	--		Skin, Hair & Nails	2 8E-08	0 003	1 06E-08	0 001	8 1E-10		1 2E-09		
Vanadium	0 0396	0 00504	S	--	--		Skin, Hair & Nails	2 6E-07	0 00005	9 90E-08	0 00002	7 5E-09		1 1E-08		
Ingestion Total									**0.01**		**0.005**		**1E-08**		**1E-08**	**2E-08**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 0008	0 0003
Developmental HI	0 00009	0 00003
Endocrine HI	0 0004	0 0001
Gastrointestinal HI	0 0003	0 0001
Hematologic HI	0 0002	0 00009
Nervous HI	0 003	0 001
Skin, Hair & Nails HI	0 004	0 001
Urinary HI	0 002	0 0007

Table 164. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE CHIRU: Wild mint Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		TWA
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Aluminum	47 8	1	P	--	--		Nervous	4 0E-03	0 004	1 49E-03	0 001	1 1E-04		1 7E-04		
Antimony	0 00655	0 0004	I	--	--	(a)	Hematologic	5 5E-07	0 001	2 05E-07	0 0005	1 6E-08		2 3E-08		
Arsenic	0 0149	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	1 2E-06	0 004	4 66E-07	0 002	3 5E-08	5E-08	5 3E-08	8E-08	1E-07
Cadmium	0 0123	0 001	I	--	--		Urinary	1 0E-06	0 001	3 84E-07	0 0004	2 9E-08		4 4E-08		
Chromium	0 186	0 003	I	--	--	(b)	None	1 6E-05	0 005	5 81E-06	0 002	4 4E-07		6 6E-07		
Cobalt	0 0164	0 0003	P	--	--		Endocrine	1 4E-06	0 005	5 13E-07	0 002	3 9E-08		5 9E-08		
Iron	33 5	0 7	P	--	--		Gastrointestinal	2 8E-03	0 004	1 05E-03	0 001	8 0E-05		1 2E-04		
Manganese	7 98	0 14	I	--	--		Nervous	6 6E-04	0 005	2 49E-04	0 002	1 9E-05		2 8E-05		
Nickel	0 0789	0 02	I	--	--	(c)	Developmental	6 6E-06	0 0003	2 47E-06	0 0001	1 9E-07		2 8E-07		
Thallium	0 000785	0 00001	X	--	--		Skin, Hair & Nails	6 5E-08	0 007	2 45E-08	0 002	1 9E-09		2 8E-09		
Vanadium	0 11	0 00504	S	--	--		Skin, Hair & Nails	9 2E-06	0 002	3 44E-06	0 0007	2 6E-07		3 9E-07		
							Ingestion Total		**0.04**		**0.01**		**5E-08**		**8E-08**	**1E-07**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 004	0 002
Developmental HI	0 0003	0 0001
Endocrine HI	0 005	0 002
Gastrointestinal HI	0 004	0 001
Hematologic HI	0 001	0 0005
Nervous HI	0 005	0 002
Skin, Hair & Nails HI	0 01	0 005
Urinary HI	0 001	0 0004

Table 165. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE CHIRU: Hazelnut Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		TWA
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Aluminum	0 570	1	P	--	--		Nervous	1 5E-05	0 00002	5 70E-06	0 000006	4 3E-07		6 5E-07		
Antimony	0 0051	0 0004	I	--	--	(a)	Hematologic	1 4E-07	0 0003	5 10E-08	0 0001	3 9E-09		5 8E-09		
Arsenic	0 0207	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	5 5E-07	0 002	2 07E-07	0 0007	1 6E-08	2E-08	2 4E-08	4E-08	6E-08
Cadmium	0 0476	0 001	I	--	--		Urinary	1 3E-06	0 001	4 76E-07	0 0005	3 6E-08		5 4E-08		
Chromium	4 08	0 003	I	--	--	(b)	None	1 1E-04	0 04	4 08E-05	0 01	3 1E-06		4 7E-06		
Cobalt	0 0352	0 0003	P	--	--		Endocrine	9 4E-07	0 003	3 52E-07	0 001	2 7E-08		4 0E-08		
Iron	28 8	0 7	P	--	--		Gastrointestinal	7 7E-04	0 001	2 88E-04	0 0004	2 2E-05		3 3E-05		
Manganese	118 7	0 14	I	--	--		Nervous	3 2E-03	0 02	1 19E-03	0 008	9 0E-05		1 4E-04		
Nickel	1 87	0 02	I	--	--	(c)	Developmental	5 0E-05	0 002	1 87E-05	0 0009	1 4E-06		2 1E-06		
Thallium	0 0081	0 00001	X	--	--		Skin, Hair & Nails	2 2E-07	0 02	8 10E-08	0 008	6 2E-09		9 3E-09		
Vanadium	0 0199	0 00504	S	--	--		Skin, Hair & Nails	5 3E-07	0 0001	1 99E-07	0 00004	1 5E-08		2 3E-08		
							Ingestion Total		**0.09**		**0.03**		**2E-08**		**4E-08**	**6E-08**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 002	0 0007
Developmental HI	0 002	0 0009
Endocrine HI	0 003	0 001
Gastrointestinal HI	0 001	0 0004
Hematologic HI	0 0003	0 0001
Nervous HI	0 02	0 008
Skin, Hair & Nails HI	0 02	0 009
Urinary HI	0 001	0 0005

Table 166. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE CHIRU: Pine Nut Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		TWA
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Aluminum	35 2	1	P	--	--		Nervous	1 4E-03	0 001	5 28E-04	0 0005	4 0E-05		6 0E-05		
Antimony	0 0291	0 0004	I	--	--	(a)	Hematologic	1 2E-06	0 003	4 37E-07	0 001	3 3E-08		5 0E-08		
Arsenic	0 056	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	2 2E-06	0 007	8 40E-07	0 003	6 4E-08	1E-07	9 6E-08	1E-07	2E-07
Cadmium	0 874	0 001	I	--	--		Urinary	3 5E-05	0 03	1 31E-05	0 01	1 0E-06		1 5E-06		
Chromium	7 06	0 003	I	--	--	(b)	None	2 8E-04	0 09	1 06E-04	0 04	8 1E-06		1 2E-05		
Cobalt	0 128	0 0003	P	--	--		Endocrine	5 1E-06	0 02	1 92E-06	0 006	1 5E-07		2 2E-07		
Iron	90 7	0 7	P	--	--		Gastrointestinal	3 6E-03	0 005	1 36E-03	0 002	1 0E-04		1 6E-04		
Manganese	65 1	0 14	I	--	--		Nervous	2 6E-03	0 02	9 76E-04	0 007	7 4E-05		1 1E-04		
Nickel	4 47	0 02	I	--	--	(c)	Developmental	1 8E-04	0 009	6 70E-05	0 003	5 1E-06		7 7E-06		
Thallium	ND	0 00001	X	--	--		Skin, Hair & Nails	ND		ND		ND		ND		
Vanadium	0 0543	0 00504	S	--	--		Skin, Hair & Nails	2 2E-06	0 0004	8 15E-07	0 0002	6 2E-08		9 3E-08		
							Ingestion Total		**0.2**		**0.07**		**1E-07**		**1E-07**	**2E-07**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 007	0 003
Developmental HI	0 009	0 003
Endocrine HI	0 02	0 006
Gastrointestinal HI	0 005	0 002
Hematologic HI	0 003	0 001
Nervous HI	0 02	0 007
Skin, Hair & Nails HI	0 008	0 003
Urinary HI	0 03	0 01

Table 167. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE CHIRU: Lomatium Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Aluminum	343	1	P	--	--		Nervous	3 0E-02	0 03	1 11E-02	0 01	8 5E-04		1 3E-03		
Antimony	0 439	0 0004	I	--	--	(a)	Hematologic	3 8E-05	0 1	1 43E-05	0 04	1 1E-06		1 6E-06		
Arsenic	0 397	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	3 4E-05	0 1	1 29E-05	0 04	9 8E-07	1E-06	1 5E-06	2E-06	4E-06
Cadmium	1 22	0 001	I	--	--		Urinary	1 1E-04	0 1	3 96E-05	0 04	3 0E-06		4 5E-06		
Chromium	2 23	0 003	I	--	--	(b)	None	1 9E-04	0 06	7 25E-05	0 02	5 5E-06		8 3E-06		
Cobalt	0 187	0 0003	P	--	--		Endocrine	1 6E-05	0 05	6 08E-06	0 02	4 6E-07		6 9E-07		
Iron	303	0 7	P	--	--		Gastrointestinal	2 6E-02	0 04	9 86E-03	0 01	7 5E-04		1 1E-03		
Manganese	29 6	0 14	I	--	--		Nervous	2 6E-03	0 02	9 63E-04	0 007	7 3E-05		1 1E-04		
Nickel	2 17	0 02	I	--	--	(c)	Developmental	1 9E-04	0 009	7 06E-05	0 004	5 4E-06		8 1E-06		
Thallium	0 0376	0 00001	X	--	--		Skin, Hair & Nails	3 3E-06	0 3	1 22E-06	0 1	9 3E-08		1 4E-07		
Vanadium	2 8	0 00504	S	--	--		Skin, Hair & Nails	2 4E-04	0 05	9 10E-05	0 02	6 9E-06		1 0E-05		
							Ingestion Total		**0.9**		**0.3**		**1E-06**		**2E-06**	**4E-06**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 1	0 04
Developmental HI	0 009	0 004
Endocrine HI	0 05	0 02
Gastrointestinal HI	0 04	0 01
Hematologic HI	0 1	0 04
Nervous HI	0 02	0 007
Skin, Hair & Nails HI	0 5	0 2
Urinary HI	0 1	0 04

Table 168. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE CHIRU: Camas Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Aluminum	120	1	P	--	--		Nervous	1 0E-02	0 01	3 88E-03	0 004	3 0E-04		4 4E-04		
Antimony	0 254	0 0004	I	--	--	(a)	Hematologic	2 2E-05	0 06	8 26E-06	0 02	6 3E-07		9 4E-07		
Arsenic	0 263	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	2 3E-05	0 08	8 55E-06	0 03	6 5E-07	1E-06	9 8E-07	1E-06	2E-06
Cadmium	2 34	0 001	I	--	--		Urinary	2 0E-04	0 2	7 61E-05	0 08	5 8E-06		8 7E-06		
Chromium	0 18	0 003	I	--	--	(b)	None	1 6E-05	0 005	5 85E-06	0 002	4 5E-07		6 7E-07		
Cobalt	0 058	0 0003	P	--	--		Endocrine	5 0E-06	0 02	1 89E-06	0 006	1 4E-07		2 2E-07		
Iron	107	0 7	P	--	--		Gastrointestinal	9 3E-03	0 01	3 48E-03	0 005	2 6E-04		4 0E-04		
Manganese	17 7	0 14	I	--	--		Nervous	1 5E-03	0 01	5 76E-04	0 004	4 4E-05		6 6E-05		
Nickel	0 158	0 02	I	--	--	(c)	Developmental	1 4E-05	0 0007	5 14E-06	0 0003	3 9E-07		5 9E-07		
Thallium	0 0425	0 00001	X	--	--		Skin, Hair & Nails	3 7E-06	0 4	1 38E-06	0 1	1 1E-07		1 6E-07		
Vanadium	0 285	0 00504	S	--	--		Skin, Hair & Nails	2 5E-05	0 005	9 26E-06	0 002	7 1E-07		1 1E-06		
							Ingestion Total		**0.8**		**0.3**		**1E-06**		**1E-06**	**2E-06**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 08	0 03
Developmental HI	0 0007	0 0003
Endocrine HI	0 02	0 006
Gastrointestinal HI	0 01	0 005
Hematologic HI	0 06	0 02
Nervous HI	0 01	0 004
Skin, Hair & Nails HI	0 4	0 2
Urinary HI	0 2	0 08

Table 169. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE CHIRU: Spring beauty/Indian potato Consumption

Analyte Name	Terrestrial Plant EPC (mg/kg ww)	Toxicity Values				Notes	Primary Target Organ(s)	Non-Cancer				Cancer				
								Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source			Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Aluminum	326	1	P	--	--		Nervous	2 4E-02	0 02	8 96E-03	0 009	6 8E-04		1 0E-03		
Antimony	0 444	0 0004	I	--	--	(a)	Hematologic	3 3E-05	0 08	1 22E-05	0 03	9 3E-07		1 4E-06		
Arsenic	0 875	0 0003	I	1 5	I		Cardiovascular; Skin, Hair & Nails	6 4E-05	0 2	2 41E-05	0 08	1 8E-06	3E-06	2 8E-06	4E-06	7E-06
Cadmium	4 55	0 001	I	--	--		Urinary	3 3E-04	0 3	1 25E-04	0 1	9 5E-06		1 4E-05		
Chromium	0 651	0 003	I	--	--	(b)	None	4 8E-05	0 02	1 79E-05	0 006	1 4E-06		2 0E-06		
Cobalt	0 164	0 0003	P	--	--		Endocrine	1 2E-05	0 04	4 51E-06	0 02	3 4E-07		5 2E-07		
Iron	528	0 7	P	--	--		Gastrointestinal	3 9E-02	0 06	1 45E-02	0 02	1 1E-03		1 7E-03		
Manganese	26 6	0 14	I	--	--		Nervous	1 9E-03	0 01	7 31E-04	0 005	5 6E-05		8 4E-05		
Nickel	0 559	0 02	I	--	--	(c)	Developmental	4 1E-05	0 002	1 54E-05	0 0008	1 2E-06		1 8E-06		
Thallium	0 174	0 00001	X	--	--		Skin, Hair & Nails	1 3E-05	1	4 79E-06	0 5	3 6E-07		5 5E-07		
Vanadium	1 03	0 00504	S	--	--		Skin, Hair & Nails	7 5E-05	0 01	2 83E-05	0 006	2 2E-06		3 2E-06		
							Ingestion Total		**2**		**0.8**		**3E-06**		**4E-06**	**7E-06**

N/A = no data available

-- = no toxicity value available

(a) Based on toxicity values for water

(b) Based on toxicity values for Chromium (VI)

(c) Based on toxicity value for nickel, soluble salts

Sources: I = IRIS, P = EPA provisional peer-reviewed value,
X = Appendix PPRTV Screen, S = RSL table user's guide Section 5

Cardiovascular HI	0 2	0 08
Developmental HI	0 002	0 0008
Endocrine HI	0 04	0 02
Gastrointestinal HI	0 06	0 02
Hematologic HI	0 08	0 03
Nervous HI	0 01	0 005
Skin, Hair & Nails HI	2	0 6
Urinary HI	0 3	0 1

Table 170. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME: CHIRU Upland Bird Consumption

Analyte Name	EPC (mg/kg ww)	Toxicity Values				Primary Target Organ(s)	Non-Cancer				Cancer				
							Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source		Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	TWA
Arsenic	0.0236	0.0003	I	1.5	I	Cardiovascular; Skin, Hair & Nails	5.3E-06	0.02	2.0E-06	0.007	4.6E-07	7E-07	5.7E-07	9E-07	2E-06
Beryllium	0.00246	0.002	I	--	--	Gastrointestinal	5.6E-07	0.0003	2.1E-07	0.0001	4.8E-08		6.0E-08		
Cadmium	0.336	0.001	I	--	--	Urinary	7.6E-05	0.08	2.9E-05	0.03	6.5E-06		8.2E-06		
Mercury	0.0424	0.0001	I	--	--	Nervous; Developmental	9.6E-06	0.1	3.6E-06	0.04	8.2E-07		1.0E-06		
Nickel	0.0163	0.011	C	--	--	Developmental	3.7E-06	0.0003	1.4E-06	0.0001	3.2E-07		4.0E-07		
Selenium	0.0266	0.005	I	--	--	Nervous; Hematologic; Skin, Hair & Nails	6.0E-06	0.001	2.3E-06	0.0005	5.2E-07		6.5E-07		
						Total		**0.2**		**0.07**		**7E-07**		**9E-07**	**2E-06**

-- = no toxicity value available

Sources: I = IRIS C = California EPA

Total by Target Organ System:

Cardiovascular HI	0.02	0.007
Developmental HI	0.1	0.04
Gastrointestinal HI	0.0003	0.0001
Hematologic HI	0.001	0.0005
Nervous HI	0.1	0.04
Skin, Hair, and Nails HI	0.02	0.007
Urinary HI	0.08	0.03

Table 171. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE: CHIRU Upland Bird Consumption

Analyte Name	EPC (mg/kg ww)	Toxicity Values				Primary Target Organ(s)	Non-Cancer				Cancer				TWA
							Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source		Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	
Arsenic	0.0236	0.0003	I	1.5	I	Cardiovascular; Skin, Hair & Nails	2.5E-06	0.008	9.4E-07	0.003	7.2E-08	1E-07	1.1E-07	2E-07	3E-07
Beryllium	0.00246	0.002	I	--	--	Gastrointestinal	2.6E-07	0.0001	9.8E-08	0.00005	7.5E-09		1.1E-08		
Cadmium	0.336	0.001	I	--	--	Urinary	3.6E-05	0.04	1.3E-05	0.01	1.0E-06		1.5E-06		
Mercury	0.0424	0.0001	I	--	--	Nervous; Developmental	4.5E-06	0.05	1.7E-06	0.02	1.3E-07		1.9E-07		
Nickel	0.0163	0.011	C	--	--	Developmental	1.7E-06	0.0002	6.5E-07	0.00006	5.0E-08		7.5E-08		
Selenium	0.0266	0.005	I	--	--	Nervous; Hematologic; Skin, Hair & Nails	2.8E-06	0.0006	1.1E-06	0.0002	8.1E-08		1.2E-07		
						Total		**0.09**		**0.03**		**1E-07**		**2E-07**	**3E-07**

-- = no toxicity value available

Sources: I = IRIS C = California EPA

Total by Target Organ System:

Cardiovascular HI	0.008	0.003
Developmental HI	0.05	0.02
Gastrointestinal HI	0.0001	0.00005
Hematologic HI	0.0006	0.0002
Nervous HI	0.05	0.02
Skin, Hair, and Nails HI	0.009	0.003
Urinary HI	0.04	0.01

Table 172. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the RME: CHIRU Wild Game (Mammals) Consumption

Analyte Name	EPC (mg/kg ww)	Toxicity Values				Primary Target Organ(s)	Non-Cancer				Cancer				
							Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source		Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	**TWA**
Arsenic	0.00161	0.0003	I	1.5	I	Cardiovascular; Skin, Hair & Nails	1.4E-06	0.005	8.5E-07	0.003	1.2E-07	2E-07	2.4E-07	4E-07	5E-07
Beryllium	0.00000566	0.002	I	--	--	Gastrointestinal	4.9E-09	0.000002	3.0E-09	0.000001	4.2E-10		8.5E-10		
Cadmium	0.000576	0.001	I	--	--	Urinary	5.0E-07	0.0005	3.0E-07	0.0003	4.3E-08		8.6E-08		
Mercury	0.00000556	0.0001	I	--	--	Nervous; Developmental	4.8E-09	0.00005	2.9E-09	0.00003	4.1E-10		8.3E-10		
Nickel	0.00065233	0.011	C	--	--	Developmental	5.7E-07	0.00005	3.4E-07	0.00003	4.8E-08		9.8E-08		
Selenium	0.00888	0.005	I	--	--	Nervous; Hematologic; Skin, Hair & Nails	7.7E-06	0.002	4.7E-06	0.0009	6.6E-07		1.3E-06		
						Total		**0.007**		**0.004**		**2E-07**		**4E-07**	**5E-07**

-- = no toxicity value available

Sources: I = IRIS C = California EPA

Total by Target Organ System:

Cardiovascular HI	0.005	0.003
Developmental HI	0.0001	0.00006
Gastrointestinal HI	0.000002	0.000001
Hematologic HI	0.002	0.0009
Nervous HI	0.002	0.001
Skin, Hair, and Nails HI	0.006	0.004
Urinary HI	0.0005	0.0003

Table 173. Non-Cancer and Cancer Risks and Target Organ System Hazards for non-lead COPCs for the CTE: CHIRU Wild Game (Mammals) Consumption

Analyte Name	EPC (mg/kg ww)	Toxicity Values				Primary Target Organ(s)	Non-Cancer				Cancer				
							Child		Adult		Child		Adult		
		oRfD (mg/kg-d)	oRfD Source	oSF $(mg/kg\text{-}d)^{-1}$	oSF Source		Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	HQ	Dose (mg/kg-d)	Risk	Dose (mg/kg-d)	Risk	**TWA**
Arsenic	0.00161	0.0003	I	1.5	I	Cardiovascular; Skin, Hair & Nails	4.1E-07	0.001	2.4E-07	0.0008	1.2E-08	2E-08	2.8E-08	4E-08	6E-08
Beryllium	0.00000566	0.002	I	--	--	Gastrointestinal	1.4E-09	0.0000007	8.5E-10	0.0000004	4.1E-11		9.7E-11		
Cadmium	0.000576	0.001	I	--	--	Urinary	1.5E-07	0.0001	8.6E-08	0.00009	4.2E-09		9.9E-09		
Mercury	0.00000556	0.0001	I	--	--	Nervous; Developmental	1.4E-09	0.00001	8.3E-10	0.000008	4.0E-11		9.5E-11		
Nickel	0.00065233	0.011	C	--	--	Developmental	1.7E-07	0.00002	9.8E-08	0.000009	4.7E-09		1.1E-08		
Selenium	0.00888	0.005	I	--	--	Nervous; Hematologic; Skin, Hair & Nails	2.2E-06	0.0004	1.3E-06	0.0003	6.4E-08		1.5E-07		
						Total		**0.002**		**0.001**		**2E-08**		**4E-08**	**6E-08**

-- = no toxicity value available

Sources: I = IRIS C = California EPA

Total by Target Organ System:

Cardiovascular HI	0.001	0.0008
Developmental HI	0.00003	0.00002
Gastrointestinal HI	0.0000007	0.0000004
Hematologic HI	0.0004	0.0003
Nervous HI	0.0005	0.0003
Skin, Hair, and Nails HI	0.002	0.001
Urinary HI	0.0001	0.00009

Table 174. Comparison of Estimated and Measured Plant Tissue Concentrations

COPC	Mean Soil Conc (mg/kg)	Estimated Plant Conc (mg/kg dw)	Mean Measured Plant Conc (mg/kg dw)							
			All Plants	Black Tree Lichen	Camas	Choke-cherry	Hazel-nut	Huckle-berry	Kinni-kinnick	Lomatium
Arsenic	33.8	1.29	0.57	**1.52**	0.83	0.03	0.03	0.04	0.09	**1.34**
Beryllium	0.58	0.39	0.03	0.01	0.02	ND	ND	ND	0.02	0.04
Cadmium	13.1	2.53	2.34	**2.60**	**8.55**	0.01	0.05	0.25	0.12	**3.84**
Lead	552	9.15	**17.3**	**54.69**	**58.73**	0.05	0.01	0.05	1.23	**41.82**
Nickel	16.9	0.90	**1.33**	0.41	0.57	0.55	**1.90**	0.28	0.18	**5.15**
Selenium	0.92	0.46	0.14	0.32	0.05	ND	0.1	ND	0.07	0.14

COPC	Mean Soil Conc (mg/kg)	Estimated Plant Conc (mg/kg dw)	Mean Measured Plant Conc (mg/kg dw)							
			Wild Mint	Pine Nut	Rose Hips	Rose Stems/ Leaves	Sarvis-berry	Spring Beauty	Tule	Willow
Arsenic	33.8	1.29	0.08	0.05	0.03	0.07	0.03	**1.45**	0.05	0.08
Beryllium	0.58	0.39	0.01	ND	ND	ND	ND	0.03	ND	ND
Cadmium	13.1	2.53	0.05	0.77	0.039	0.40	0.17	**10.79**	0.01	**2.83**
Lead	552	9.15	0.65	0.57	0.11	1.36	2.05	**55.27**	0.12	0.23
Nickel	16.9	0.90	0.39	**4.31**	0.68	0.51	0.88	**0.92**	**1.70**	0.42
Selenium	0.92	0.46	0.06	ND	0.13	0.26	0.11	0.08	0.04	0.11

Bold text indicates measured plant concentration > estimated plant concentration. ND = not detected

Table 175. Predicted Lead Intakes from Consumption of Site-related Biota

Biota Consumed	Mean Lead Conc (µg/g ww)	DCR (g/day)	Lead Intake (µg Pb/day)
Black Tree Lichen	33.35	0.75	**25**
Spring beauty/Indian potato	15.44	1.1	**17**
Camas	12.09	1.3	**15.7**
Lomatium	10.54	1.3	**13.7**
Sarvisberry	1.684	3.75	**6.3**
Sucker (Site-wide)	0.135	40	**5.4**
Upland birds (Site-wide)	1.53	1.6	**2.4**
Amphibians/Reptiles (UCR Reach 5)	0.697	2.1	**1.5**
Amphibians/Reptiles (UCR Reach 2)	0.557	2.1	**1.2**
Amphibians/Reptiles (Site-wide)	0.533	2.1	**1.1**
Walleye (Site-wide)	0.026	40	**1.0**
Crayfish (UCR Reach 5)	0.697	1.27	0.9
Rainbow trout (Site-wide)	0.0216	40	0.9
Burbot (Site-wide)	0.0213	40	0.9
Crayfish (UCR Reach 2)	0.557	1.27	0.7
Crayfish (Site-wide)	0.533	1.27	0.7
Amphibians/Reptiles (UCR Reach 6)	0.347	2.1	0.7
Smallmouth bass (Site-wide)	0.0168	40	0.7
Mussels (UCR Reach 1)	0.69	0.85	0.6
Mussels (UCR Reach 2)	0.498	0.85	0.4
Mussels (UCR Reach 3)	0.454	0.85	0.4
Crayfish (UCR Reach 6)	0.347	1.27	0.4
Whitefish (Site-wide)	0.00892	40	0.4
Ponderosa pine	0.477	0.6	0.3
Mussels (Site-wide)	0.366	0.85	0.3
Waterfowl (Upper region)	0.35	0.7	0.2
Mussels (UCR Reach 5)	0.215	0.85	0.2
Mussels (UCR Reach 6)	0.237	0.85	0.2
Sturgeon (Site-wide)	0.00504	40	0.2
Kokanee (Site-wide)	0.00397	40	0.2
Northern pike (Site-wide)	0.00355	40	0.1
Rose stems/leaves	0.59	0.1	0.1
Wild mint	0.0908	1.25	0.1
Mussels (UCR Reach 4)	0.1	0.85	0.1
Mussels (Reference area)	0.0778	0.85	0.1
Crayfish (Reference area)	0.0587	1.27	0.1
Waterfowl (Middle region)	0.048	0.7	<0.1
Chokecherry	0.0139	3.3	<0.1
Rose hips	0.0499	0.85	<0.1
Waterfowl (Lower region)	0.012	0.7	<0.1
Kinnikinnick	0.621	0.04	<0.1
Wild game/mammals (Site-wide)	0.0044	3.8	<0.1
Willow	0.155	0.1	<0.1
Huckleberry	0.0126	0.95	<0.1
Tule	0.0307	0.1	<0.1
Hazelnut	0.00437	0.4	<0.1

Table 176. Non-Cancer Target Organ Child HIs for Pathways with Total HI >1: RME

Pathway	Exposure Area/ Species	Cardio-vascular	Develop-mental	Endo-crine	GI	Hemat-ologic	Nervous	Repro-ductive	Skin, Hair & Nails	Urinary
Incidental Ingestion of Soil/Dust & Dermal Contact with Soil	DU 258	0.7	0.01	0.2	0.2	0.3	0.6	NA	1	0.2
	DU 259	0.3	0.01	0.2	0.3	0.1	0.5	NA	0.7	0.08
	DU 401	1	0.02	0.3	0.4	0.5	0.8	NA	2	0.3
	DU 402	0.5	0.01	0.2	0.2	0.2	0.4	NA	1	0.1
	DU 403	0.4	0.02	0.3	0.4	0.1	0.5	NA	1	0.1
	DU 410	0.5	0.02	0.3	0.3	0.2	0.6	NA	1	0.1
	DU 413	0.7	0.02	0.3	0.3	0.3	0.7	NA	1	0.2
	DU 420	0.5	0.02	0.3	0.3	0.2	0.7	NA	1	0.1
	DU 421	0.2	0.02	0.3	0.4	0.1	0.3	NA	0.7	0.07
	DU 430	0.2	0.01	0.2	0.3	0.08	0.4	NA	0.7	0.08
	DU 432	0.3	0.02	0.3	0.3	0.07	0.3	NA	0.8	0.07
	DU 441	0.8	0.02	0.4	0.3	0.2	0.9	NA	2	0.2
	DU 442	0.3	0.02	0.4	0.4	0.1	0.6	NA	0.8	0.08
	DU 801-O1	0.2	0.04	0.5	0.4	0.03	0.7	NA	0.5	0.02
	DU 801-O2	0.1	0.05	0.8	0.6	0.06	1	NA	0.6	0.03
	DU 801-O3	0.2	0.05	0.5	0.4	0.02	0.6	NA	0.5	0.05
	DU 802-O1	0.1	0.02	0.2	0.3	0.06	0.5	NA	0.5	0.07
	DU 803-O1	0.2	0.02	0.3	0.3	0.2	0.3	NA	1	0.1
	DU 803-O2	0.2	0.02	0.3	0.3	0.2	0.3	NA	1	0.08
	DU 803-O3	0.2	0.03	0.4	0.4	0.09	0.5	NA	0.8	0.09
	DU 804-O1	0.07	0.02	0.3	0.3	0.04	0.4	NA	0.4	0.04
	DU 804-O2	0.2	0.02	0.3	0.3	0.1	0.4	NA	0.7	0.1
	DU 805-O1	0.1	0.02	0.4	0.4	0.03	0.5	NA	0.4	0.02
	DU 806-O1	0.1	0.03	0.35	0.4	0.02	0.4	NA	0.3	0.03
	DU 806-O2	0.2	0.04	0.5	0.4	0.03	0.5	NA	0.5	0.04
	DU 806-O3	0.08	0.02	0.3	0.4	0.03	0.5	NA	0.3	0.02
	DU 806-O5	0.09	0.02	0.3	0.4	0.02	0.5	NA	0.3	0.02
	DU 807-O1	0.1	0.02	0.3	0.3	0.01	0.7	NA	0.4	0.1
	DU 808-O2	0.07	0.02	0.3	0.3	0.03	0.5	NA	0.5	0.02
Ingestion of Fish	Burbot	0.4	30	0.4	0.05	2	30	20	10	NA
	Kokanee	1	9	1	0.2	1	10	10	40	NA
	Northern Pike	ND	20	NA	NA	2	20	NA	20	NA
	Rainbow Trout	1	10	1	0.4	1	10	20	30	NA
	Smallmouth Bass	0.5	20	0.3	0.2	2	30	20	40	NA
	Sturgeon	ND	10	NA	NA	3	20	8	8	NA
	Sucker	0.6	40	0.4	2	1	40	30	20	NA
	Walleye	10	20	10	0.2	1	30	8	50	NA
	Whitefish	2	10	2	0.8	1	20	30	20	NA
Ingestion of Plants	Lomatium	0.2	0.02	0.1	0.07	0.2	0.03	NA	0.9	0.2
	Spring Beauty/ Indian Potato	0.2	0.002	0.04	0.06	0.08	0.01	NA	2	0.3

Notes: NA = not applicable. ND = not detected. HI results are rounded to 1 significant figure.

Table 177. Non-Cancer Target Organ Adult HIs for Pathways with Total HI >1: RME

Pathway	Exposure Area/ Species	Cardio-vascular	Develop-mental	Endo-crine	GI	Hemat-ologic	Nervous	Repro-ductive	Skin, Hair & Nails	Urinary
Ingestion of Fish	Burbot	0.1	10	0.1	0.02	0.7	10	6	4	NA
	Kokanee	0.5	3	0.5	0.08	0.4	4	4	20	NA
	Northern Pike	ND	6	NA	NA	0.7	7	NA	7	NA
	Rainbow Trout	0.4	4	0.4	0.2	0.5	5	7	10	NA
	Smallmouth Bass	0.2	9	0.1	0.06	0.6	9	8	10	NA
	Sturgeon	ND	5	NA	NA	1	6	3	3	NA
	Sucker	0.2	10	0.1	0.6	0.4	20	10	7	NA
	Walleye	5	9	5	0.08	0.5	10	3	20	NA
	Whitefish	0.9	5	0.8	0.3	0.4	6	10	9	NA

Notes: NA = not applicable. ND = not detected. HI results are rounded to 1 significant figure.

Table 178. Non-Cancer Target Organ Child HIs for Pathways with Total HI >1: CTE

Pathway	Exposure Area/ Species	Cardio-vascular	Develop-mental	Endo-crine	GI	Hemat-ologic	Nervous	Repro-ductive	Skin, Hair & Nails	Urinary
Ingestion of Fish	Burbot	0.07	7	0.07	0.009	0.4	7	3	2	NA
	Kokanee	0.3	2	0.3	0.04	0.2	2	2	8	NA
	Northern Pike	ND	3	NA	NA	0.4	4	NA	4	NA
	Rainbow Trout	0.2	2	0.2	0.08	0.3	3	4	7	NA
	Smallmouth Bass	0.1	5	0.06	0.03	0.3	5	4	7	NA
	Sturgeon	ND	3	NA	NA	0.6	3	2	2	NA
	Sucker	0.1	8	0.08	0.3	0.2	9	5	4	NA
	Walleye	3	5	3	0.04	0.3	5	2	10	NA
	Whitefish	0.5	3	0.4	0.2	0.2	3	6	5	NA
Ingestion of Plants	Spring Beauty/Indian Potato	0.2	0.002	0.04	0.06	0.08	0.01	NA	2	0.3

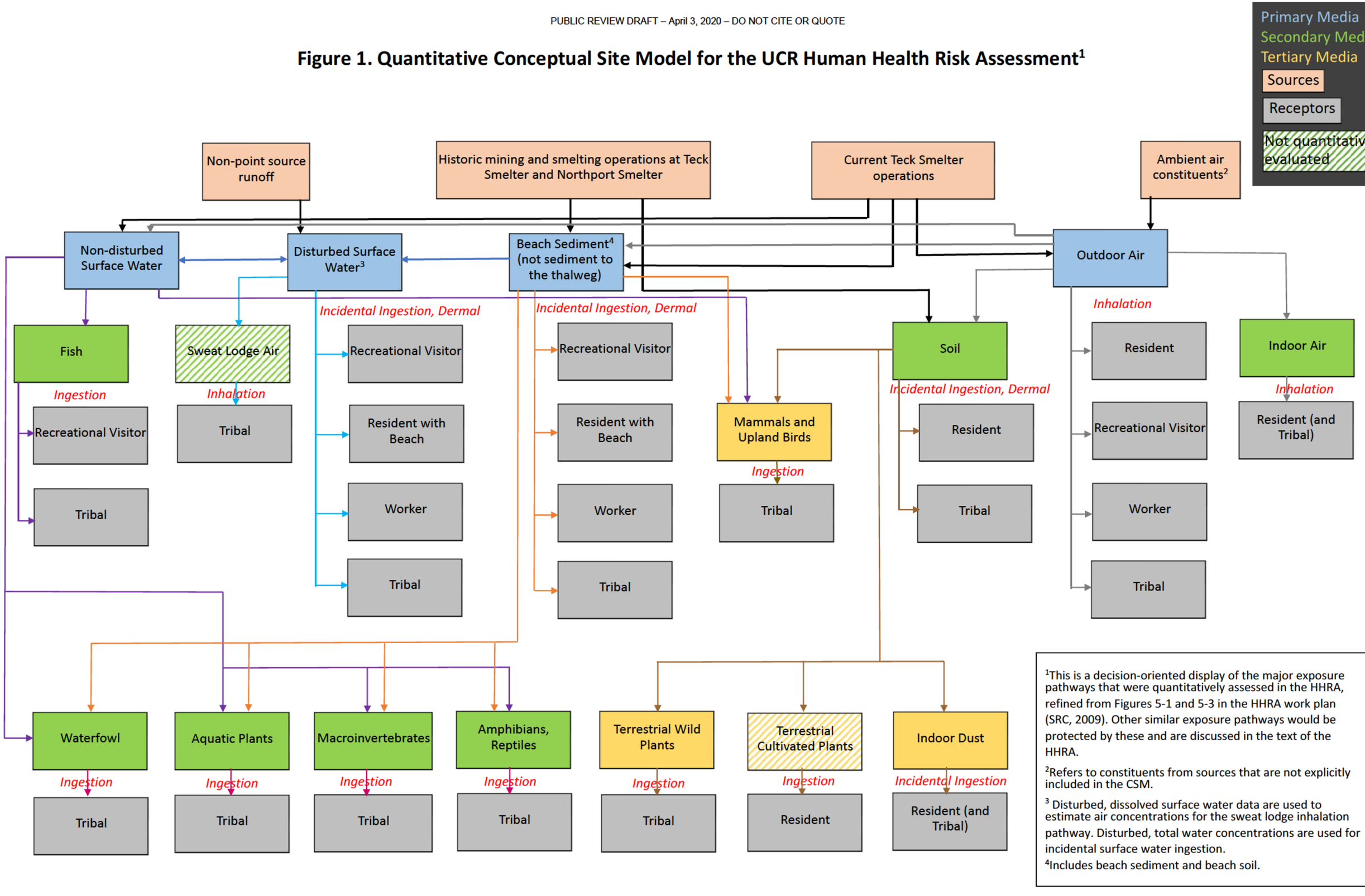
Notes: NA = not applicable. ND = not detected. HI results are rounded to 1 significant figure.

Table 179. Non-Cancer Target Organ Adult HIs for Pathways with Total HI >1: CTE

Pathway	Exposure Area/ Species	Cardio-vascular	Develop-mental	Endo-crine	GI	Hemat-ologic	Nervous	Repro-ductive	Skin, Hair & Nails	Urinary
Ingestion of Fish	Burbot	0.03	2	0.03	0.003	0.1	3	1	0.8	NA
	Kokanee	0.1	0.7	0.1	0.02	0.08	0.7	0.8	3	NA
	Northern Pike	ND	1	NA	NA	0.1	1	NA	1	NA
	Rainbow Trout	0.09	0.8	0.07	0.03	0.1	1	1	3	NA
	Smallmouth Bass	0.04	2	0.02	0.01	0.1	2	2	3	NA
	Sturgeon	ND	0.9	NA	NA	0.2	1	0.6	0.6	NA
	Sucker	0.04	3	0.03	0.1	0.09	3	2	1	NA
	Walleye	1	2	1	0.02	0.1	2	0.6	4	NA
	Whitefish	0.2	1	0.2	0.06	0.08	1	2	2	NA

Notes: NA = not applicable. ND = not detected. HI results are rounded to 1 significant figure.

Figure 1. Quantitative Conceptual Site Model for the UCR Human Health Risk Assessment[1]



[1]This is a decision-oriented display of the major exposure pathways that were quantitatively assessed in the HHRA, refined from Figures 5-1 and 5-3 in the HHRA work plan (SRC, 2009). Other similar exposure pathways would be protected by these and are discussed in the text of the HHRA.

[2]Refers to constituents from sources that are not explicitly included in the CSM.

[3] Disturbed, dissolved surface water data are used to estimate air concentrations for the sweat lodge inhalation pathway. Disturbed, total water concentrations are used for incidental surface water ingestion.

[4]Includes beach sediment and beach soil.

Figure 2. Tribal Allotments Sampled in the 2014 and 2016 Residential Soil Studies

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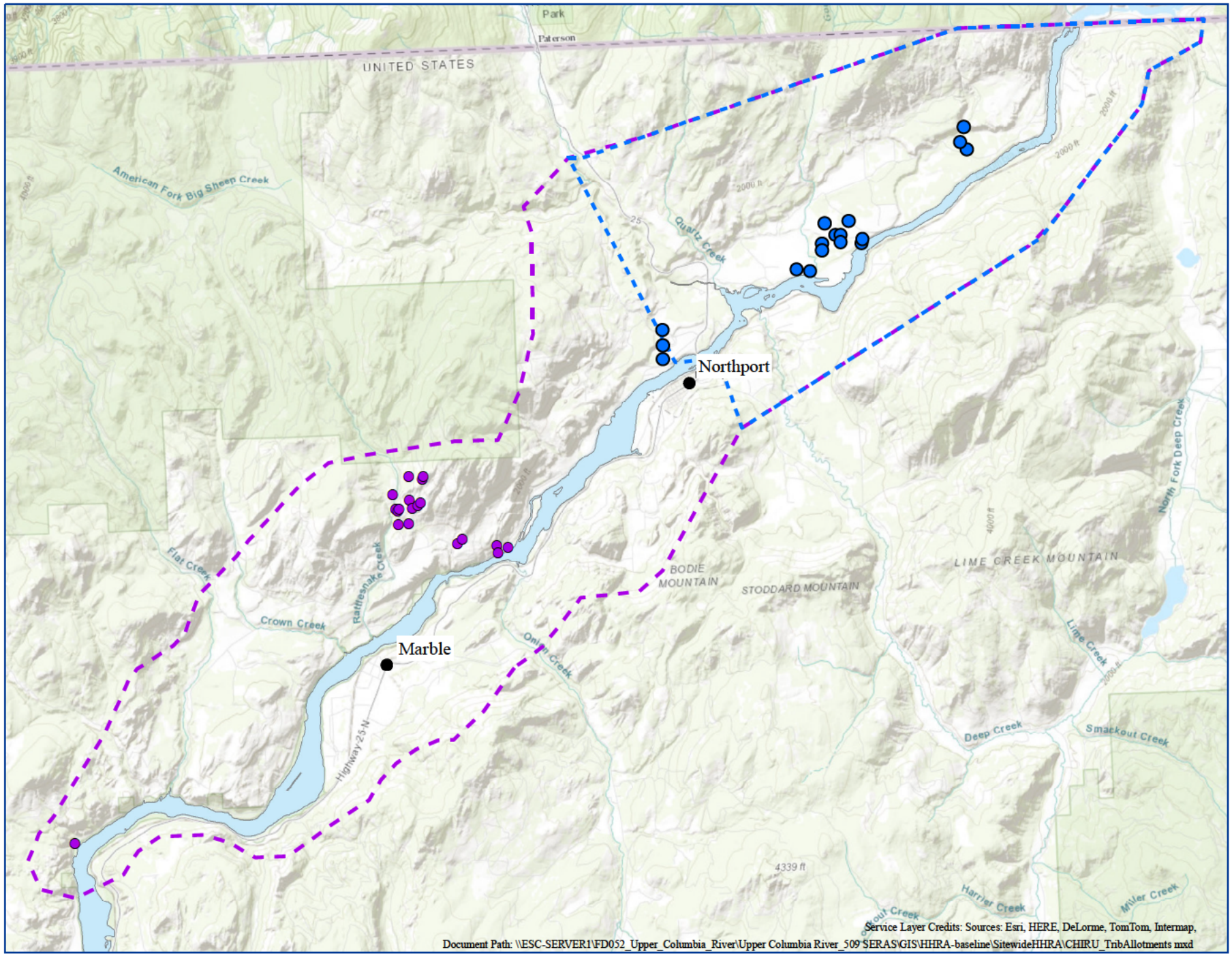
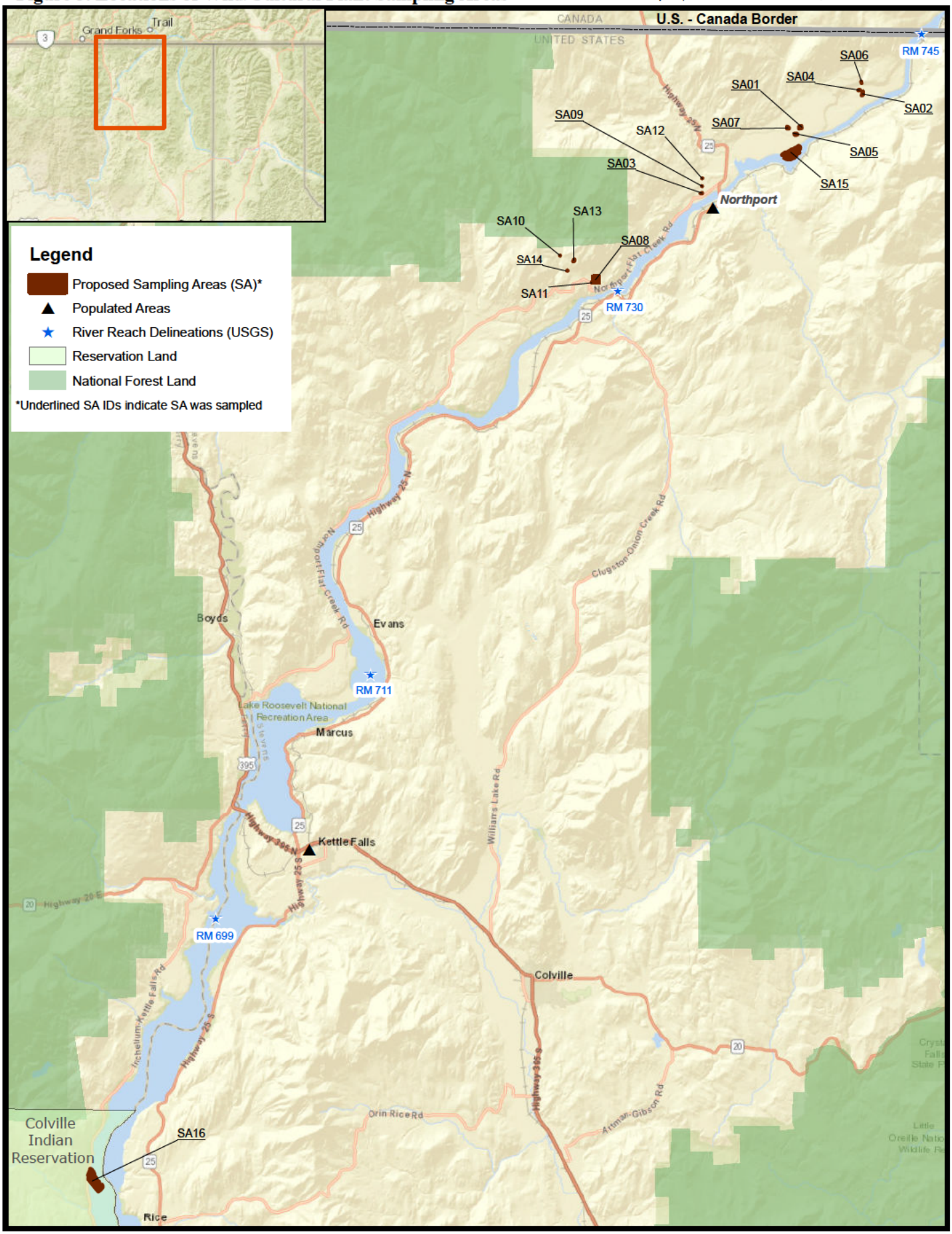


N

0 0.5 1 1.5 Miles

- Tribal Allotment IC Soil Samples from 2014
- Tribal Allotment IC Soil Samples from 2016
- 2014 Residential Soil Sampling Area
- 2016 Residential Soil Sampling Area

Figure 3. Locations of Wild/Cultural Plant Sampling Areas PUBLIC REV EW DRAFT – April 3, 2020 – DO NOT CITE OR QUOTE



RAMBOLL

0 1 2 4 Kilometers

0 1 2 4 Miles

N

Figure 3. Cultural Plant Study Area Map
Upper Columbia River, WA

Appendix 2
Upper Columbia River: Draft Site-wide Human Health Risk Assessment for the Spokane Tribe of Indians (STI) Population

[CURRENTLY IN DEVELOPMENT]

Appendix 3. Sweat Lodge Air Exposure Pathway for Metals in Surface Water at UCR Site

TO: Marc Stifelman, Monica Tonel, EPA Region 10
FROM: Gary Diamond, SRC
DATE: 05/25/18
RE: Sweat lodge air exposure pathway for metals in surface water at UCR site

SRC has reviewed the sweat lodge air pathway in the UCR HHRA. We recommend that potential exposure to airborne low-volatile COPC metals in UCR surface water during sweat lodge not be quantitatively assessed in the HHRA because:

- Non-volatile metals will not vaporize at sweat lodge temperatures
- Intake of non-volatile metals in surface water in a sweat lodge will be limited to ingestion of metals in water droplets formed from contact with heated rocks (the relatively large diameter of the spray droplets would result in deposition in the upper airway and transport to the esophagus and gastrointestinal tract)
- Ingestion of dissolved contaminants in a sweat lodge is a negligible contributor to risk, relative to ingestion of unfiltered disturbed surface water from direct contact during other water activities such as swimming and wading

We also recommend that no further data collection to evaluate this pathway is warranted since such efforts are unlikely to improve confidence in characterization of human health risk at the site. This memorandum provides the basis for these recommendations.

Inhaled/Ingested Metals in Water Spray – Insignificant Pathway

Formation of spray in a sweat lodge would involve recoil of surface water from the heated rocks into the air. Were it to occur in the sweat lodge, recoil alone (e.g., without an aerosolizer) would result in relatively large airborne droplets that would quickly be removed from air by gravitational settling. If inhaled, these large droplets would be preferentially deposited in the upper airways and transferred to the gastrointestinal tract, rather than being absorbed across the alveolar region of the lung (ICRP, 1994). Even in highly aerosolized sprays (e.g., bathing showers), aerosol droplet sizes are sufficiently large (> 5 µm) to predict preferential deposition in the upper airway (Zhou et al., 2007). If a sweat lodge were to produce aerosols of the magnitude produced in a hot bath shower (e.g., delivering 9 L water/minute), the water ingestion rate in the sweat lodge would be approximately 72 mL (12 mL/10 minutes × 60 minutes/hour; based on Zhou et al., 2007). As most of the water applied to rocks in sweat lodges is expected to evaporate (Harris and Harper, 1997), this ingestion rate is likely to be a substantial overestimate of the water droplet ingestion rate in the sweat lodge. In comparison, rates of incidental ingestion of surface water while engaged in water related activities are considerably higher than the rate predicted for a 10-minute hot shower (12 mL). For recreational visitors who ingest water while swimming, the estimated ingestion is 213 mL during a beach trip (71 mL/hour × 3 hours/day; Table 3-31 in the river-associated HHRA), and for residents with subsistence lifestyles who ingest water during water-related activities, the estimated ingestion rate is 210 mL (21 mL/hour × 10 hours/day; Table 3-32 in the river-associated HHRA).

Volatilization of Metals in Steam – Incomplete Pathway

Metals identified as surface water COPCs have very low vapor pressures at the assumed temperature of the sweat lodge (150° F; Harper et al. 2002; Harris and Harper, 1997) and, as a

result, the steam produced from heating surface water on the rocks should not have appreciable concentrations of metals (see further discussion below).

Uncertainties related to Midnite Mine model for calculating sweat lodge air concentrations of low volatility metals. EPA (2005c) described an approach for calculating concentrations of chemicals, including metals, in sweat lodge air from volatilization transfer of chemicals from water to water vapor. The calculation is based on the following assumptions: (1) water vapor (steam) is produced in the sweat lodge from pouring surface water over heated rocks; (2) the sweat lodge is heated to a temperature of 150° F (Harper et al. 2002; Harper et al. 2002; Harris and Harper, 1997); (3) the sweat lodge atmosphere achieves a saturating water concentration (0.15 L/m^3 [Lide, 2002]); (4) chemicals in the surface water applied to the rocks are transferred to water vapor; (5) this transfer results in concentrations in the saturating water vapor that are the same as the concentrations in the surface water (i.e., 1 µg metal/L surface water produces a concentration of 0.15 $\mu g/m^3$ water vapor). Although applicable to volatile chemicals, the Midnite Mine model does not specify or simulate a plausible mechanism for transfer of COPC metals from surface water to water vapor. For the following reasons, the above Midnite Mine model will grossly overestimate air concentrations of COPC metals in sweat lodge air and, therefore, is not being used to estimate air pathway exposures in sweat lodges at the UCR site.

To illustrate the extent to which the Midnite Mine model overestimates concentrations of metals in sweat lodge air, the model was implemented as a pseudo-screen for COPC metals in surface water. Metals identified as COPCs in this pseudo-screen have very low vapor pressures at the assumed temperature of sweat lodges (150° F; Harper et al. 2002; Harris and Harper, 1997) and, as a result, the vapor produced from heating surface water on the rocks should not have appreciable concentrations of metals. For example, at 150° F, the vapor pressure of barium would be approximately 1×10^{-17} Pascals (Pa) (5×10^{-22} atmospheres), compared to approximately 2.5×10^4 Pa (0.25 atmospheres) for water. The corresponding air concentration for barium would be approximately 5×10^{-12} µg Ba/m^3, which is a factor of 10^{-12} lower than the concentration predicted from the assumptions in the Midnite Mine model (5 $\mu g/m^3$). These estimates are for elemental barium; however, vapor pressure would not be expected to be substantially higher for barium compounds. Vapor pressures for other COPCs identified in the pseudo-screen ranged from 10^{-32} Pa (manganese) to 10^{-70} Pa (uranium).[1] Therefore, vaporization should result in air concentrations of COPC metals that are far lower than the concentrations predicted from the model.

A possible exception to this would be elemental mercury (Hg^0) or methylmercury (MeHg); both forms of this metal would have appreciable vapor pressures at ambient temperatures (ATSDR, 1999; Huber et al., 2006; Lindqvist and Rodhe, 1985). Total mercury was measured in non-disturbed and disturbed surface water and in public beach sediment. Mercury in these samples was not speciated, therefore, the concentrations of Hg^0 or MeHg relative to total mercury concentration in these media is unknown. However, the dominant form present in any well-oxygenated medium is likely to be inorganic mercuric salts (ATSDR, 1999).

[1] Vapor pressures of the elements (data page). (2017, August 26). In Wikipedia, The Free Encyclopedia. Retrieved 19:26, January 19, 2018, from https://en.wikipedia.org/w/index.php?title=Vapor_pressures_of_the_elements_(data_page)&oldid=797289367

The maximum concentrations of total mercury measured in disturbed water at the UCR site were 6.8E-04 micrograms per liter (µg/L) (dissolved) and 1.15E-01 µg/L total (including suspended sediment). Worst-case scenarios can be calculated for the concentration of elemental Hg (Hg^0) or MeHg in sweat lodge air, based on these maximum surface water concentrations.

Worst-case assumptions for exposure to Hg^0 or MeHg in sweat lodge air:

- 100% of the mercury measured in surface water was either Hg^0 (highly unlikely because at least some if not most of any elemental Hg^0 in surface water would be oxidized) or MeHg (highly unlikely to find complete conversion of mercury in water or sediment to MeHg, ATSDR, 1999)
- 4 L of water were brought into the sweat lodge and poured over the heated rocks (Harper et al., 2002)
- sweat lodge volume is 2.1 cubic meters (m^3) (based on sweat lodge dimensions reported in Harper et al., 2002)
- all Hg^0 or MeHg in water applied to rocks is transferred to air (it is possible for this to occur if the amount of Hg transferred to heated rocks is less than the amount required to achieve saturation equilibrium in sweat lodge air; 3.6E+03 µg/m^3 for Hg^0 at 150° F based on Huber et al., 2006)

Based on these worst-case assumptions, surface water concentrations for Hg^0 or MeHg of 6.8E-04 µg/L (dissolved) or 1.15E-01 µg/L (total) would correspond to 2.7E-04 µg and 4.6E-01 µg transferred to the sweat lodge rocks from surface water, and corresponding concentrations in air within the sweat lodge of 1.3E-03 µg/m^3 or 2.2E-01 µg/m^3, respectively. Both worst-case sweat lodge air concentrations are below the current EPA chronic inhalation reference concentration (RfC) for Hg^0 (3E-01 µg/m^3, U.S. EPA 2018). There are no reference values for MeHg in air. This worst-case scenario is more health protective than the Midnite Mine model because it assumes complete transfer of mercury to sweat lodge air rather than transfer only with water vapor.

Alternative models for predicting concentrations of metals in sweat lodge air. The CCT circulated a draft report (Cohen & Associates, 2012). This report summarizes many of the same limitations of the Midnite Mine model, including criticisms from ATSDR, DOE and WADOH (see text beginning on page 3-42). An alternative to the Midnite Mine approach is described based on data for radionuclides in air after sudden decompression of superheated water (i.e., reactor accident that is likely to have produced at least some spray). Based on these data, the fraction released was estimated to be 0.006. The report also cites a NUREG-1140 report in which the release fraction for nonvolatiles was assigned a value of 0.001. The corresponding transfer coefficient in the Midnite Mine model is 1 (which results in a ratio of 0.15 for concentrations in sweat lodge air/surface water). Neither of the above release fractions is relevant to transfers of metals from water to air ambient pressures and temperatures of sweat lodges.

Conclusion. Transfer of low-volatile metal COPCs to sweat lodge air is likely to be negligible. Vaporization will not occur to any significant extent because of the low vapor pressures of these metals at sweat lodge temperatures. Water spray would be ingested post-inhalation rather than absorbed across the lung. Risks from ingestion of UCR surface water are addressed in the HHRA in the assessment of incidental ingestion of disturbed water while swimming or wading,

and the addition of the small amount of dissolved metals ingested during sweat lodge activities will not result in a change to the risk estimate. Given the above considerations, we recommend that inhalation exposure in sweat lodges be considered in the risk assessment as an ingestion pathway and that this ingestion pathway be considered negligible and not addressed quantitatively in the HHRA; and that further efforts to collect data to assess air pathway exposures to metals in sweat lodges are not needed to support the HHRA.

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Appendix 4. Estimates for Background Concentrations of COPCs in Soil

This appendix presents estimates of background concentrations for soil chemicals of potential concern (COPCs) for use in the baseline Human Health Risk Assessment (HHRA) for the Upper Columbia River (UCR) Site. Site-specific background estimates are being developed as part of the Remedial Investigation and Feasibility Study (RI/FS) for this Site but are not available yet; therefore, interim background estimates were developed for use in the HHRA. Stream sediment and soil samples collected within the UCR drainage basin as part of the National Uranium Resource Evaluation (NURE) program (Smith, 2006; Smith et al., 2013) were used as the basis for the soil background estimates presented in Table 1. The background concentrations are upper confidence limits on estimates of the 95th percentile; as such, we would expect the majority of Site-specific soil data that do not reflect Site-related contamination to be below the background estimates presented in Table 1.

The data used to estimate the soil background concentrations for COPCs in this Appendix were derived from stream sediment and soil samples collected by the NURE program in the Colville River, Kettle River, Lower Spokane, Sanpoil River, and UCR sub-basins of the Columbia River drainage basin.[1] The NURE samples were sieved to <149 µm fraction (Smith et al., 2013). The majority of the COPC results in the background dataset were determined by the Savannah River Laboratory (SRL) using neutron activation analysis (Al, Fe, Mn and V) and atomic absorption (Co, Cr, Ni, and Pb) as part of the original NURE program analysis. The SRL data for 21 sample locations located within the 5 sub-basins were replaced with data available from a reanalysis of NURE archived samples undertaken as part of the U.S. Geological Survey (USGS) National Geochemical Survey (NGS) (Grossman et al., 2008). The NGS program used inductively-coupled plasma – atomic emission spectroscopy (ICP-AES) to measure the COPCs listed in Table 1 except arsenic, which was analyzed by hydride generation-atomic absorption spectrophotometry (HG-AAS; Hageman, 2002). Church et al. (2008) reanalyzed archived NURE samples for locations within the Lower Spokane sub-basin by ICP-mass spectrometry (MS) following digestion by Environmental Protection Agency (EPA) Method 3050B. The archived material analyzed by Church et al. (2008) corresponded to sample locations that SRL had not previously analyzed. Smith et al. (2013) provides a good overview of the NURE and USGS NGS data (as well as other national geochemical datasets).

The NURE data included some errors in the arsenic data for sample locations in the Kettle River, Sanpoil River and UCB sub-basins (Church, 2010a, 2010b); these data were replaced with data provided by Smith (2007). One record (rec_no = 5184673) was removed from the background dataset because the sample was located within the 100-year floodplain of the UCR. Two records (rec_no = 5185476 and 5185477) were removed because the NURE data indicated they were potentially affected by mining activities (field [contamc] contained the word *mining*). Another record (rec_no = 5184696) was removed because the NURE database indicated the

[1] The five sub-basins correspond to hydrologic unit code (HUC) 8-digit hydrologic units, while the Columbia River Drainage Basin is a HUC-4 or subregion level unit. The five sub-basins correspond to the Washington State Water Resource Inventory Areas (WRIAs) hydrologic units.

sampled material may have contained mine tailings [field [samptyp] = 99). Seven sample locations, all located south of the community of Marble, are within the area that had exhibited effects of SO_2 emissions on vegetation (Scheffer and Hedgcock, 1955). These data were retained in the background analysis dataset because they had no effect on the estimates of the UTL95-95.

The background dataset includes 571 sample locations. The majority of the sample locations are west of the UCR (Figure 1). The number of samples ranges widely among the sub-basins: Colville River (n=14), Lower Spokane (n=56), UCR (n=156), Kettle River (n=161) and Sanpoil River (n=184). The sample sizes exceed 500 for each COPC with the exception of cadmium and thallium (n=56 each) and arsenic (n=443) (Table 1). The only results available for thallium and cadmium in the background dataset were provided by the reanalysis of NURE archived samples from the Lower Spokane sub-basin by Church et al. (2008). Thallium was not previously measured in NURE samples. While cadmium was measured by SRL, the detection limit for SRL's analysis of NURE samples collected exceeds the maximum concentration measured in the Lower Spokane by Church et al. (2008). The background dataset does not include any results for antimony.

The data were checked for outliers using the *MM* method (Yohai, 1987). The background estimates were calculated with all data included and compared to the estimates obtained after removing the records that were flagged as possible outliers. The potential outliers had no discernable effect on the background estimates, likely due to the large sample sizes that were available. The data were also checked for spatial outliers using the local Moran I statistic (Anselin, 1995). A group of 19 sample locations with high chromium concentrations was identified in the Kettle River sub-basin. The mean and standard deviation of the chromium concentration for the 19 locations were 467 and 441 ppm, respectively, while the mean and standard deviation for the rest of the chromium data were 47 and 46 ppm, respectively. The 19 sample locations were removed prior to estimating the background concentration for chromium.

An estimate of the 95% upper tolerance limit for the 95^{th} percentile of the population (95UTL95) was used to define the background concentration for each COPC in soil. The UTL95-95 was estimated using ProUCL version 5.1 (EPA, 2015). Goodness-of-fit tests indicated the normal, gamma and lognormal distributions did not provide a good fit for the COPCs. The UTL95-95s were estimated using a nonparametric method based on the binomial distribution (EPA, 2015, Equation 3-10). Non-parametric estimates of the 95% of the population distribution are also presented in Table 1. The 95% were estimated using the ranks (*order statistics*) of the sample data, with interpolation when needed (EPA, 2015, Equation 3-1). Antimony data were not available from the NURE database; Table 1 includes a background estimate reported by Washington State Department of Ecology (ECY, 2019) for antimony of 2.15 mg/kg (this value is a UTL90-95).

For comparison purposes, the background soil concentration estimates were compared with residential soil screening levels (RSLs) calculated for a target hazard quotient (HQ) of 1.0 and a cancer risk of 10^{-4} (Table 1). The same toxicity values used in the COI screen were used for this calculation except for chromium. Toxicity values for hexavalent chromium were used in the

COI screen, but toxicity values for trivalent chromium were used in these RSL calculations, as the medium of interest is soil and the expected form of chromium in soil is likely trivalent (ATSDR, 2012). RSLs were the residential RSLs from EPA (2019), with the exception of inorganic arsenic. The inorganic arsenic RSL was the non-carcinogenic screening level for a resident child, calculated using the RSL Calculator tool (EPA, 2019). All calculated HQs are less than (<) 1. Based on the HQ being <1, the risk of non-cancer health effects from exposure to non-lead COPCs at estimated background soil concentrations is below the non-cancer hazard benchmarks used by CERCLA (EPA, 1989, 1997; EPA and Clay, 1991).

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Table 1. Background Estimates for COPCs for the UCR Site-wide HHRA

Metal COPCs	n	NDs	Min	Mean	Median	Max	95%	95UTL95	RSL	HQ
Aluminum	565	0	260	52,190	55,420	92,530	68,530	70,950	77,400	0.9
Arsenic	443	62	< 1	5.033	3.0	182	14	18.3	34.9	0.5
Antimony								2.15[a]	31.3	0.1
Cadmium	56	0	0.04	0.219	0.195	0.65	0.48	0.61	71.1	0.0
Chromium	552	0	5	47.4	35	385	125	145	117,000	0.001
Cobalt	565	144	< 5	7.392	7	30	15	15	23.4	0.7
Iron	557	0	2,830	28,560	27,210	92,470	49,010	51,690	54,800	0.9
Lead	565	100	< 10	15.75	15	78	30	35	P3 = 50	0.7
									P5 = 200	0.2
									P8 = 400	0.1
Manganese	565	0	66	642.9	596	1815	1070	1182	1830	0.7
Nickel	563	55	< 5	18.92	15	450	48	57	825	0.1
Thallium	56	0	0.15	0.313	0.28	0.89	0.61	0.68	0.782	0.9
Vanadium	563	0	3.0	77.1	69	323	152	161	393	0.4

All units are ppm (mg/kg).

95%: 95% estimated using ProUCL

95UTL95: non-parametric 95% upper tolerance limit for the 95%.

Mean: arithmetic mean for COPCs without non-detects (NDs); Kaplan Meier mean for COPCs with NDs.

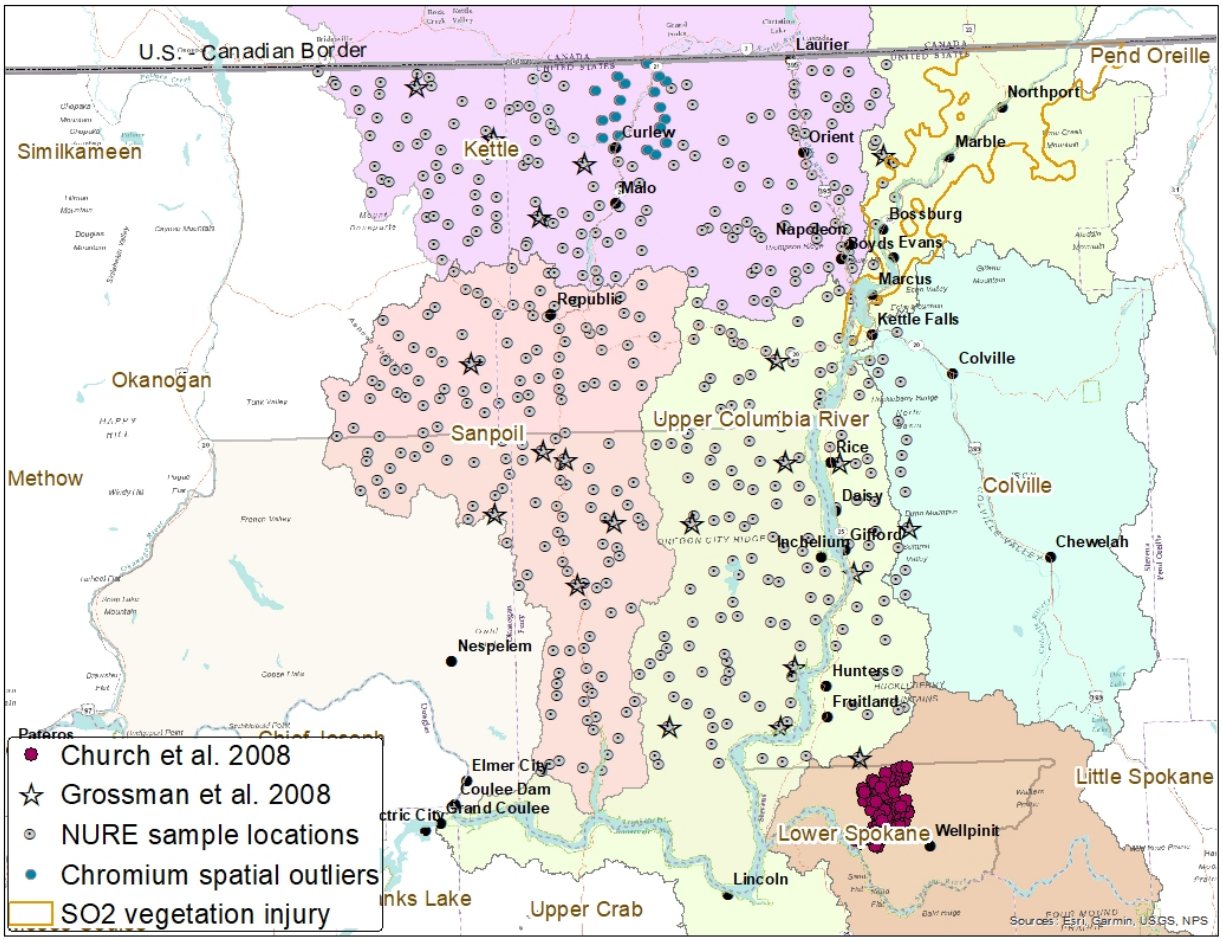
[a]Antimony data not included in the NURE data set. Value is 95UTL90 by unspecified method of bootstrapping from ECY (2019).

RSL: Regional Screening Level (EPA, 2019). RSLs are residential soil screening levels with a target hazard quotient of 1.0, except for inorganic arsenic. The RSL for inorganic arsenic is the noncarcinogenic screening level for a resident child, with a target hazard quotient of 1.0.

RSLs were selected for the following chemical forms: antimony (metallic); inorganic arsenic; chromium III; nickel refinery dust; and thallium soluble salts.

HQ calculated as 95UTL95/RSL

Figure 1. Stream Sediment and Soil Samples Collected by NURE in the Columbia River Drainage Basin



Appendix 5:
Results of IEUBK Batch Mode Runs

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 2/20/2020
Site Name: UCR
Operable Unit: Current Resident, Burbot
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: RES BUR_02`20`20.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
13	1	0	32	92.4	67	0.9	0.02	0.09	0	1.63	**9.607**	0.84	0.035
14	1	0	32	77.1	56.3	0.9	0.02	0.09	0	1.53	**7.656**	0.594	0.022
15	1	0	32	93.6	67.8	0.9	0.02	0.09	0	1.63	**9.759**	0.86	0.036
16	1	0	32	356	251.5	0.9	0.02	0.09	0	3.15	**54.171**	**16.302**	2.373
17	1	0	32	150.5	107.7	0.9	0.02	0.09	0	1.97	**18.568**	2.381	0.144
9	1	0	32	91.8	66.5	0.9	0.02	0.09	0	1.62	**9.516**	0.828	0.034
40	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
1015	1	0	32	47.6	35.6	0.9	0.02	0.09	0	1.35	4.532	0.273	0.008
1017	1	0	32	139.2	99.8	0.9	0.02	0.09	0	1.9	**16.673**	1.999	0.113
1018	1	0	32	51.9	38.6	0.9	0.02	0.09	0	1.38	4.929	0.309	0.009
42	1	0	32	229.6	163.1	0.9	0.02	0.09	0	2.43	**32.798**	**6.272**	0.567
44	1	0	32	99.7	72.1	0.9	0.02	0.09	0	1.67	**10.602**	0.978	0.043
46	1	0	32	188.7	134.4	0.9	0.02	0.09	0	2.2	**25.314**	3.993	0.297
47	1	0	32	222.3	157.9	0.9	0.02	0.09	0	2.39	**31.454**	**5.822**	0.509
49	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
60	1	0	32	59.3	43.8	0.9	0.02	0.09	0	1.43	**5.662**	0.379	0.012
61	1	0	32	137.2	98.3	0.9	0.02	0.09	0	1.89	**16.334**	1.933	0.108
22	1	0	32	118.9	85.5	0.9	0.02	0.09	0	1.78	**13.418**	1.413	0.07
25	1	0	32	54.5	40.4	0.9	0.02	0.09	0	1.4	**5.18**	0.332	0.01
27	1	0	32	135.3	97	0.9	0.02	0.09	0	1.88	**16.017**	1.873	0.103
28	1	0	32	49.2	36.8	0.9	0.02	0.09	0	1.36	4.683	0.286	0.008
29	1	0	32	42.7	32.2	0.9	0.02	0.09	0	1.32	4.099	0.236	0.007
30	1	0	32	51.6	38.4	0.9	0.02	0.09	0	1.38	4.902	0.306	0.009
31	1	0	32	255.8	181.3	0.9	0.02	0.09	0	2.58	**37.531**	**8.006**	0.809
33	1	0	32	206.4	146.8	0.9	0.02	0.09	0	2.3	**28.546**	4.911	0.398
35	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
35PA	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
39	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
226C	1	0	32	395.3	279	0.9	0.02	0.09	0	3.37	**59.776**	**20.065**	3.294
55	1	0	32	67.1	49.2	0.9	0.02	0.09	0	1.47	**6.496**	0.464	0.016
56	1	0	32	185.9	132.4	0.9	0.02	0.09	0	2.18	**24.812**	3.859	0.283
58	1	0	32	73.3	53.6	0.9	0.02	0.09	0	1.51	**7.206**	0.543	0.019
59	1	0	32	206.6	146.9	0.9	0.02	0.09	0	2.3	**28.579**	4.921	0.399
59A	1	0	32	335.3	237	0.9	0.02	0.09	0	3.04	**50.993**	**14.413**	1.961
62	1	0	32	118.1	85	0.9	0.02	0.09	0	1.78	**13.297**	1.393	0.069
62G	1	0	32	70.6	51.7	0.9	0.02	0.09	0	1.49	**6.891**	0.507	0.018
66	1	0	32	141.1	101	0.9	0.02	0.09	0	1.91	**16.975**	2.057	0.118

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
67	1	0	32	174.5	124.4	0.9	0.02	0.09	0	2.11	**22.754**	3.334	0.23
70	1	0	32	202.6	144.1	0.9	0.02	0.09	0	2.28	**27.851**	4.705	0.375
71	1	0	32	127	91.2	0.9	0.02	0.09	0	1.83	**14.685**	1.63	0.085
72M	1	0	32	253.9	180.1	0.9	0.02	0.09	0	2.57	**37.203**	**7.878**	0.79
72U	1	0	32	109.7	79.1	0.9	0.02	0.09	0	1.73	**12.035**	1.191	0.056
75	1	0	32	381.8	269.6	0.9	0.02	0.09	0	3.3	**57.922**	**18.755**	2.958
82	1	0	32	54.8	40.6	0.9	0.02	0.09	0	1.4	**5.211**	0.335	0.01
85	1	0	32	57.4	42.5	0.9	0.02	0.09	0	1.41	**5.47**	0.36	0.011
86	1	0	32	115.3	83	0.9	0.02	0.09	0	1.76	**12.88**	1.324	0.064
87	1	0	32	99.5	72	0.9	0.02	0.09	0	1.67	**10.578**	0.974	0.042
94M	1	0	32	73.9	54	0.9	0.02	0.09	0	1.51	**7.277**	0.551	0.02
106	1	0	32	387.2	273.4	0.9	0.02	0.09	0	3.33	**58.678**	**19.281**	3.091
107	1	0	32	169.3	120.8	0.9	0.02	0.09	0	2.08	**21.842**	3.113	0.209
108	1	0	32	185.4	132.1	0.9	0.02	0.09	0	2.18	**24.722**	3.835	0.28
109	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
110	1	0	32	88.5	64.3	0.9	0.02	0.09	0	1.6	**9.09**	0.772	0.031
110G	1	0	32	41.5	31.4	0.9	0.02	0.09	0	1.32	3.999	0.227	0.006
111	1	0	32	70.4	51.5	0.9	0.02	0.09	0	1.49	**6.867**	0.505	0.018
112	1	0	32	471.3	332.2	0.9	0.02	0.09	0	3.79	**68.997**	**27.723**	**5.58**
112G	1	0	32	181.5	129.4	0.9	0.02	0.09	0	2.15	**24.024**	3.653	0.262
113low	1	0	32	263	186.4	0.9	0.02	0.09	0	2.63	**38.83**	**8.525**	0.888
113up	1	0	32	398.8	281.5	0.9	0.02	0.09	0	3.39	**60.256**	**20.415**	3.386
115SP	1	0	32	493.1	347.5	0.9	0.02	0.09	0	3.91	**71.261**	**29.95**	**6.352**
21	1	0	32	104.1	75.2	0.9	0.02	0.09	0	1.69	**11.219**	1.067	0.048
21G	1	0	32	337.4	238.5	0.9	0.02	0.09	0	3.05	**51.332**	**14.606**	2.001
116M	1	0	32	347.4	245.4	0.9	0.02	0.09	0	3.1	**52.869**	**15.508**	2.196
122	1	0	32	69	50.6	0.9	0.02	0.09	0	1.48	**6.717**	0.488	0.017
121	1	0	32	148.3	106.1	0.9	0.02	0.09	0	1.96	**18.189**	2.302	0.137
123	1	0	32	336.5	237.9	0.9	0.02	0.09	0	3.04	**51.197**	**14.529**	1.985
135	1	0	32	130.2	93.5	0.9	0.02	0.09	0	1.85	**15.204**	1.723	0.092
146	1	0	32	81.4	59.3	0.9	0.02	0.09	0	1.56	**8.185**	0.658	0.025
146G	1	0	32	43.2	32.6	0.9	0.02	0.09	0	1.33	4.146	0.239	0.007
147	1	0	32	50.9	37.9	0.9	0.02	0.09	0	1.37	4.838	0.3	0.009
151	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
152	1	0	32	183.4	130.7	0.9	0.02	0.09	0	2.16	**24.364**	3.742	0.271
160	1	0	32	153.4	109.7	0.9	0.02	0.09	0	1.99	**19.054**	2.484	0.152
163	1	0	32	158.1	113	0.9	0.02	0.09	0	2.02	**19.873**	2.662	0.168
163G	1	0	32	222.8	158.3	0.9	0.02	0.09	0	2.39	**31.551**	**5.854**	0.513
164	1	0	32	118	84.9	0.9	0.02	0.09	0	1.78	**13.279**	1.39	0.069
167	1	0	32	71.4	52.3	0.9	0.02	0.09	0	1.5	**6.988**	0.518	0.018
168	1	0	32	365.9	258.4	0.9	0.02	0.09	0	3.21	**55.642**	**17.234**	2.589
169	1	0	32	262	185.7	0.9	0.02	0.09	0	2.62	**38.639**	**8.447**	0.876
169A	1	0	32	238.9	169.5	0.9	0.02	0.09	0	2.49	**34.481**	**6.861**	0.646
320new	1	0	32	555.7	391.3	0.9	0.02	0.09	0	4.24	**76.92**	**36.293**	**8.841**
216	1	0	32	310.2	219.4	0.9	0.02	0.09	0	2.89	**46.951**	**12.234**	1.526
1030	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002
170	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002
172U	1	0	32	294	208.1	0.9	0.02	0.09	0	2.8	**44.235**	**10.9**	1.281
174M	1	0	32	23.7	18.9	0.9	0.02	0.09	0	1.21	2.656	0.126	0.003
175	1	0	32	171.3	122.2	0.9	0.02	0.09	0	2.09	**22.189**	3.196	0.217
238G	1	0	32	47.1	35.3	0.9	0.02	0.09	0	1.35	4.491	0.269	0.008
238M	1	0	32	34.9	26.8	0.9	0.02	0.09	0	1.28	3.463	0.184	0.005
176G	1	0	32	140.1	100.4	0.9	0.02	0.09	0	1.91	**16.824**	2.028	0.115
176M	1	0	32	215.9	153.4	0.9	0.02	0.09	0	2.35	**30.28**	**5.444**	0.462

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
177	1	0	32	172.8	123.2	0.9	0.02	0.09	0	2.1	**22.453**	3.26	0.223
206	1	0	32	142.4	101.9	0.9	0.02	0.09	0	1.92	**17.19**	2.1	0.121
208	1	0	32	161.9	115.6	0.9	0.02	0.09	0	2.04	**20.53**	2.809	0.181
208AA	1	0	32	173.4	123.6	0.9	0.02	0.09	0	2.11	**22.556**	3.285	0.225
208BM	1	0	32	112.5	81.1	0.9	0.02	0.09	0	1.75	**12.457**	1.257	0.06
208G	1	0	32	92.1	66.7	0.9	0.02	0.09	0	1.62	**9.554**	0.833	0.034
209A	1	0	32	115.7	83.3	0.9	0.02	0.09	0	1.76	**12.934**	1.333	0.065
213	1	0	32	440.1	310.4	0.9	0.02	0.09	0	3.62	**65.466**	**24.544**	4.562
185	1	0	32	196.7	140	0.9	0.02	0.09	0	2.24	**26.763**	4.393	0.34
185G	1	0	32	71	52	0.9	0.02	0.09	0	1.5	**6.943**	0.513	0.018
186	1	0	32	242.3	171.9	0.9	0.02	0.09	0	2.51	**35.103**	**7.086**	0.677
1035	1	0	32	114.9	82.8	0.9	0.02	0.09	0	1.76	**12.82**	1.315	0.064
1036	1	0	32	76.8	56	0.9	0.02	0.09	0	1.53	**7.618**	0.59	0.022
1037	1	0	32	98.4	71.2	0.9	0.02	0.09	0	1.66	**10.424**	0.952	0.041
189	1	0	32	154.4	110.4	0.9	0.02	0.09	0	1.99	**19.24**	2.524	0.156
1060	1	0	32	127.8	91.8	0.9	0.02	0.09	0	1.84	**14.813**	1.653	0.087
192	1	0	32	262.5	186	0.9	0.02	0.09	0	2.62	**38.724**	**8.482**	0.881
1020	1	0	32	96.5	69.9	0.9	0.02	0.09	0	1.65	**10.16**	0.915	0.039
1021	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
193	1	0	32	140.2	100.4	0.9	0.02	0.09	0	1.91	**16.835**	2.03	0.115
194	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
218	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
201	1	0	32	447.1	315.3	0.9	0.02	0.09	0	3.66	**66.288**	**25.254**	4.781
201G	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
203	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
229	1	0	32	48.6	36.3	0.9	0.02	0.09	0	1.36	4.624	0.281	0.008
230G	1	0	32	80.1	58.4	0.9	0.02	0.09	0	1.55	**8.019**	0.638	0.024
196	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
231	1	0	32	125.5	90.1	0.9	0.02	0.09	0	1.82	**14.446**	1.588	0.082
231Lower	1	0	32	137	98.9	0.9	0.02	0.09	0	1.965	**18.395**	2.345	0.141
7	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
154	1	0	32	66.3	48.7	0.9	0.02	0.09	0	1.47	**6.418**	0.456	0.015
246	1	0	32	29.2	22.8	0.9	0.02	0.09	0	1.24	3.035	0.153	0.004
18	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
20	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
249	1	0	32	85.9	62.5	0.9	0.02	0.09	0	1.59	**8.755**	0.729	0.029
250	1	0	32	92.2	66.8	0.9	0.02	0.09	0	1.62	**9.569**	0.835	0.035
253	1	0	32	110	79.3	0.9	0.02	0.09	0	1.73	**12.077**	1.197	0.056
258	1	0	32	767.7	539.7	0.9	0.02	0.09	0	5.34	**88.997**	**55.549**	**19.477**
259	1	0	32	240.7	170.8	0.9	0.02	0.09	0	2.5	**34.805**	**6.978**	0.662
284M	1	0	32	152.7	109.2	0.9	0.02	0.09	0	1.98	**18.941**	2.46	0.15
285M	1	0	32	157.6	112.7	0.9	0.02	0.09	0	2.01	**19.794**	2.644	0.166
287	1	0	32	150.2	107.4	0.9	0.02	0.09	0	1.97	**18.514**	2.37	0.143
288	1	0	32	68.2	50	0.9	0.02	0.09	0	1.48	**6.618**	0.478	0.016
288G1	1	0	32	79.7	58.1	0.9	0.02	0.09	0	1.55	**7.967**	0.631	0.024
288G2	1	0	32	59.8	44.2	0.9	0.02	0.09	0	1.43	**5.724**	0.385	0.012
289G3	1	0	32	76.3	55.7	0.9	0.02	0.09	0	1.53	**7.558**	0.583	0.021
291	1	0	32	77.6	56.6	0.9	0.02	0.09	0	1.54	**7.711**	0.601	0.022
306	1	0	32	86.1	62.6	0.9	0.02	0.09	0	1.59	**8.778**	0.731	0.029
315	1	0	32	37.7	28.7	0.9	0.02	0.09	0	1.29	3.683	0.202	0.005
316	1	0	32	105.2	75.9	0.9	0.02	0.09	0	1.7	**11.375**	1.09	0.049
317	1	0	32	227.9	161.8	0.9	0.02	0.09	0	2.42	**32.478**	**6.163**	0.552
317M	1	0	32	494.8	348.7	0.9	0.02	0.09	0	3.91	**71.434**	**30.127**	**6.416**
318	1	0	32	452.2	318.9	0.9	0.02	0.09	0	3.68	**66.879**	**25.776**	4.944

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
319	1	0	32	505.5	356.2	0.9	0.02	0.09	0	3.97	**72.484**	**31.221**	**6.817**
319M	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
420	1	0	32	517.5	364.6	0.9	0.02	0.09	0	4.04	**73.616**	**32.444**	**7.279**
421	1	0	32	318.8	225.4	0.9	0.02	0.09	0	2.94	**48.356**	**12.964**	1.667
410	1	0	32	394	278.1	0.9	0.02	0.09	0	3.36	**59.608**	**19.943**	3.262
412	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
413	1	0	32	543.1	382.5	0.9	0.02	0.09	0	4.17	**75.88**	**35.034**	**8.312**
325	1	0	32	37.8	28.8	0.9	0.02	0.09	0	1.3	3.694	0.203	0.005
326	1	0	32	71.5	52.3	0.9	0.02	0.09	0	1.5	**6.992**	0.519	0.018
327	1	0	32	50	37.3	0.9	0.02	0.09	0	1.37	4.759	0.293	0.009
999G1	1	0	32	85.9	62.4	0.9	0.02	0.09	0	1.59	**8.75**	0.728	0.029
999M1	1	0	32	79.9	58.2	0.9	0.02	0.09	0	1.55	**7.993**	0.634	0.024
999M2	1	0	32	56.1	41.6	0.9	0.02	0.09	0	1.41	**5.345**	0.348	0.011
999M3	1	0	32	83.8	61	0.9	0.02	0.09	0	1.57	**8.482**	0.694	0.027
72	1	0	32	230.4	163.6	0.9	0.02	0.09	0	2.44	**32.935**	**6.319**	0.573
1001	1	0	32	408.4	288.1	0.9	0.02	0.09	0	3.44	**61.514**	**21.356**	3.64
401	1	0	32	1101.5	773.4	0.9	0.02	0.09	0	6.96	**96.338**	**75.942**	**38.379**
402	1	0	32	577.5	406.6	0.9	0.02	0.09	0	4.36	**78.631**	**38.469**	**9.798**
403	1	0	32	419.6	296	0.9	0.02	0.09	0	3.5	**62.953**	**22.475**	3.952
440	1	0	32	145.2	103.9	0.9	0.02	0.09	0	1.94	**17.666**	2.195	0.128
441	1	0	32	737.9	518.8	0.9	0.02	0.09	0	5.19	**87.808**	**53.131**	**17.841**
442	1	0	32	258.8	183.4	0.9	0.02	0.09	0	2.6	**38.07**	**8.219**	0.841
1005	1	0	32	112.1	80.8	0.9	0.02	0.09	0	1.74	**12.395**	1.247	0.059
1006	1	0	32	91.7	66.5	0.9	0.02	0.09	0	1.62	**9.503**	0.826	0.034
1007	1	0	32	51.9	38.6	0.9	0.02	0.09	0	1.38	4.933	0.309	0.009
1008	1	0	32	91.5	66.3	0.9	0.02	0.09	0	1.62	**9.478**	0.823	0.034
1010	1	0	32	110.8	79.8	0.9	0.02	0.09	0	1.73	**12.193**	1.215	0.057
1011	1	0	32	146.2	104.7	0.9	0.02	0.09	0	1.95	**17.841**	2.231	0.131
345	1	0	32	103.9	75	0.9	0.02	0.09	0	1.69	**11.196**	1.064	0.048
346	1	0	32	130.4	93.6	0.9	0.02	0.09	0	1.85	**15.234**	1.729	0.093
347	1	0	32	312.7	221.2	0.9	0.02	0.09	0	2.91	**47.362**	**12.445**	1.566
430	1	0	32	262	185.7	0.9	0.02	0.09	0	2.62	**38.639**	**8.447**	0.876
431	1	0	32	110.3	79.5	0.9	0.02	0.09	0	1.73	**12.119**	1.204	0.057
432	1	0	32	307.5	217.5	0.9	0.02	0.09	0	2.88	**46.496**	**12.004**	1.482
801	1	0	32	239.9	170.3	0.9	0.02	0.09	0	2.49	**34.673**	**6.93**	0.655
3000	1	0	32	26.6	20.9	0.9	0.02	0.09	0	1.23	2.853	0.14	0.003
3001	1	0	32	371	262	0.9	0.02	0.09	0	3.24	**56.384**	**17.719**	2.704
3003	1	0	32	294.5	208.5	0.9	0.02	0.09	0	2.81	**44.316**	**10.938**	1.288
3004	1	0	32	81.9	59.6	0.9	0.02	0.09	0	1.56	**8.243**	0.665	0.025
280	1	0	32	367.4	259.5	0.9	0.02	0.09	0	3.22	**55.859**	**17.375**	2.622
280yard	1	0	32	302.9	214.3	0.9	0.02	0.09	0	2.85	**45.73**	**11.622**	1.411
075-A1	1	0	32	70.1	51.4	0.9	0.02	0.09	0	1.49	**6.835**	0.501	0.018
075-H1	1	0	32	81.8	59.5	0.9	0.02	0.09	0	1.56	**8.225**	0.663	0.025
075-O1	1	0	32	265	187.8	0.9	0.02	0.09	0	2.64	**39.181**	**8.668**	0.91
076-G1	1	0	32	85	61.8	0.9	0.02	0.09	0	1.58	**8.631**	0.713	0.028
076-G2	1	0	32	95.1	68.8	0.9	0.02	0.09	0	1.64	**9.962**	0.888	0.038
076-H1	1	0	32	93.4	67.7	0.9	0.02	0.09	0	1.63	**9.734**	0.857	0.036
076-H2	1	0	32	91.4	66.3	0.9	0.02	0.09	0	1.62	**9.471**	0.822	0.034
076-N1	1	0	32	157.3	112.4	0.9	0.02	0.09	0	2.01	**19.74**	2.632	0.165
077-A1	1	0	32	32.2	24.9	0.9	0.02	0.09	0	1.26	3.256	0.169	0.004
077-A2	1	0	32	31.3	24.2	0.9	0.02	0.09	0	1.26	3.188	0.164	0.004
077-G1	1	0	32	28.4	22.2	0.9	0.02	0.09	0	1.24	2.98	0.149	0.004
077-H1	1	0	32	36.3	27.7	0.9	0.02	0.09	0	1.29	3.574	0.193	0.005
077-H2	1	0	32	37.2	28.3	0.9	0.02	0.09	0	1.29	3.641	0.198	0.005

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
077-N1	1	0	32	34.8	26.6	0.9	0.02	0.09	0	1.28	3.449	0.183	0.005
078-G1	1	0	32	37.9	28.9	0.9	0.02	0.09	0	1.3	3.702	0.203	0.005
078-H1	1	0	32	24.6	19.5	0.9	0.02	0.09	0	1.21	2.715	0.13	0.003
078-N1	1	0	32	26.8	21.1	0.9	0.02	0.09	0	1.23	2.868	0.141	0.003
078-O1	1	0	32	32	24.7	0.9	0.02	0.09	0	1.26	3.244	0.168	0.004
079-H1	1	0	32	69.8	51.2	0.9	0.02	0.09	0	1.49	**6.806**	0.498	0.017
079-H2	1	0	32	121.7	87.5	0.9	0.02	0.09	0	1.8	**13.857**	1.487	0.075
080-H1	1	0	32	23.7	18.9	0.9	0.02	0.09	0	1.21	2.653	0.126	0.003
081-A1	1	0	32	36.3	27.7	0.9	0.02	0.09	0	1.29	3.567	0.193	0.005
081-H1	1	0	32	45.5	34.1	0.9	0.02	0.09	0	1.34	4.343	0.256	0.007
081-O1	1	0	32	126.2	90.6	0.9	0.02	0.09	0	1.83	**14.561**	1.608	0.084
082-G1	1	0	32	22.8	18.3	0.9	0.02	0.09	0	1.2	2.596	0.122	0.003
082-G2	1	0	32	41.1	31	0.9	0.02	0.09	0	1.31	3.959	0.224	0.006
082-H1	1	0	32	41.8	31.5	0.9	0.02	0.09	0	1.32	4.019	0.229	0.006
082-N1	1	0	32	35.4	27.1	0.9	0.02	0.09	0	1.28	3.501	0.187	0.005
082-N2	1	0	32	42.9	32.3	0.9	0.02	0.09	0	1.33	4.117	0.237	0.007
083-G1	1	0	32	35.4	27.1	0.9	0.02	0.09	0	1.28	3.501	0.187	0.005
083-G2	1	0	32	30.6	23.7	0.9	0.02	0.09	0	1.25	3.138	0.16	0.004
083-H1	1	0	32	44.4	33.4	0.9	0.02	0.09	0	1.33	4.246	0.248	0.007
084-H1	1	0	32	37.5	28.6	0.9	0.02	0.09	0	1.29	3.668	0.201	0.005
085-H1	1	0	32	60	44.3	0.9	0.02	0.09	0	1.43	**5.744**	0.387	0.012
085-O1	1	0	32	79.7	58.1	0.9	0.02	0.09	0	1.55	**7.968**	0.631	0.024
085-P1	1	0	32	157.2	112.3	0.9	0.02	0.09	0	2.01	**19.72**	2.628	0.165
086-G1	1	0	32	72.1	52.8	0.9	0.02	0.09	0	1.5	**7.07**	0.527	0.019
086-H1	1	0	32	60.8	44.9	0.9	0.02	0.09	0	1.43	**5.826**	0.395	0.013
086-H2	1	0	32	92.5	67.1	0.9	0.02	0.09	0	1.63	**9.62**	0.842	0.035
087-H1	1	0	32	51.6	38.4	0.9	0.02	0.09	0	1.38	4.907	0.306	0.009
087-O1	1	0	32	92.5	67.1	0.9	0.02	0.09	0	1.63	**9.62**	0.842	0.035
088-H1	1	0	32	184.3	131.3	0.9	0.02	0.09	0	2.17	**24.511**	3.78	0.274
088-H2	1	0	32	159	113.6	0.9	0.02	0.09	0	2.02	**20.032**	2.697	0.171
088-O1	1	0	32	136.3	97.7	0.9	0.02	0.09	0	1.89	**16.188**	1.906	0.106
089-A1	1	0	32	80.4	58.6	0.9	0.02	0.09	0	1.55	**8.061**	0.643	0.024
089-H1	1	0	32	95.1	68.8	0.9	0.02	0.09	0	1.64	**9.962**	0.888	0.038
089-O1	1	0	32	60.3	44.5	0.9	0.02	0.09	0	1.43	**5.773**	0.39	0.013
090-H1	1	0	32	95.3	69	0.9	0.02	0.09	0	1.64	**10**	0.893	0.038
090-O2	1	0	32	157.3	112.4	0.9	0.02	0.09	0	2.01	**19.74**	2.632	0.165
091-G1	1	0	32	81.3	59.2	0.9	0.02	0.09	0	1.56	**8.166**	0.655	0.025
091-H1	1	0	32	56	41.5	0.9	0.02	0.09	0	1.41	**5.333**	0.346	0.011
092-O1	1	0	32	180.3	128.5	0.9	0.02	0.09	0	2.15	**23.805**	3.597	0.256
092-O2	1	0	32	101.8	73.6	0.9	0.02	0.09	0	1.68	**10.896**	1.02	0.045
093-H1	1	0	32	67.9	49.8	0.9	0.02	0.09	0	1.48	**6.586**	0.474	0.016
094-H1	1	0	32	80.2	58.4	0.9	0.02	0.09	0	1.55	**8.027**	0.638	0.024
094-P1	1	0	32	77.1	56.3	0.9	0.02	0.09	0	1.53	**7.658**	0.595	0.022
095-A1	1	0	32	174.1	124.2	0.9	0.02	0.09	0	2.11	**22.7**	3.321	0.229
095-H1	1	0	32	118.6	85.3	0.9	0.02	0.09	0	1.78	**13.381**	1.407	0.07
095-O1	1	0	32	149.1	106.7	0.9	0.02	0.09	0	1.96	**18.334**	2.332	0.14
095-O2	1	0	32	177.5	126.6	0.9	0.02	0.09	0	2.13	**23.301**	3.47	0.243
096-H1	1	0	32	179.2	127.7	0.9	0.02	0.09	0	2.14	**23.603**	3.546	0.251
096-O1	1	0	32	313.4	221.7	0.9	0.02	0.09	0	2.91	**47.472**	**12.502**	1.577
097-H1	1	0	32	142.2	101.8	0.9	0.02	0.09	0	1.92	**17.162**	2.094	0.12
097-H2	1	0	32	117.8	84.8	0.9	0.02	0.09	0	1.78	**13.251**	1.385	0.068
098-G1	1	0	32	36.3	27.7	0.9	0.02	0.09	0	1.29	3.574	0.193	0.005
098-H1	1	0	32	34.4	26.4	0.9	0.02	0.09	0	1.27	3.423	0.181	0.005
098-O1	1	0	32	22.7	18.2	0.9	0.02	0.09	0	1.2	2.59	0.122	0.003

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
099-A1	1	0	32	56.5	41.8	0.9	0.02	0.09	0	1.41	**5.378**	0.351	0.011
099-G2	1	0	32	63.3	46.7	0.9	0.02	0.09	0	1.45	**6.093**	0.422	0.014
099-H1	1	0	32	144.4	103.4	0.9	0.02	0.09	0	1.93	**17.538**	2.169	0.126
099-O1	1	0	32	170.7	121.8	0.9	0.02	0.09	0	2.09	**22.082**	3.171	0.214
100-G1	1	0	32	46.1	34.6	0.9	0.02	0.09	0	1.35	4.398	0.261	0.007
100-H1	1	0	32	140.6	100.7	0.9	0.02	0.09	0	1.91	**16.894**	2.042	0.116
100-N1	1	0	32	88.4	64.2	0.9	0.02	0.09	0	1.6	**9.071**	0.769	0.031
100-N2	1	0	32	73.6	53.8	0.9	0.02	0.09	0	1.51	**7.239**	0.546	0.02
100-O1	1	0	32	138.4	99.2	0.9	0.02	0.09	0	1.9	**16.541**	1.973	0.111
101-G1	1	0	32	50.7	37.8	0.9	0.02	0.09	0	1.37	4.822	0.299	0.009
101-H1	1	0	32	131.5	94.4	0.9	0.02	0.09	0	1.86	**15.413**	1.761	0.095
101-O1	1	0	32	209.4	148.9	0.9	0.02	0.09	0	2.32	**29.099**	**5.078**	0.418
102-G1	1	0	32	56.5	41.8	0.9	0.02	0.09	0	1.41	**5.378**	0.351	0.011
102-H1	1	0	32	29.9	23.3	0.9	0.02	0.09	0	1.25	3.087	0.156	0.004
103-H1	1	0	32	118	84.9	0.9	0.02	0.09	0	1.78	**13.278**	1.39	0.069
103-O1	1	0	32	99	71.6	0.9	0.02	0.09	0	1.66	**10.503**	0.964	0.042
104-H1	1	0	32	182.1	129.8	0.9	0.02	0.09	0	2.16	**24.124**	3.679	0.264
104-H2	1	0	32	165.1	117.8	0.9	0.02	0.09	0	2.06	**21.09**	2.937	0.193
104-N1	1	0	32	149.8	107.2	0.9	0.02	0.09	0	1.97	**18.446**	2.355	0.142
105-H1	1	0	32	105.8	76.3	0.9	0.02	0.09	0	1.7	**11.46**	1.103	0.05
105-P1	1	0	32	217.3	154.4	0.9	0.02	0.09	0	2.36	**30.529**	**5.523**	0.471
106-G1	1	0	32	28.4	22.2	0.9	0.02	0.09	0	1.24	2.98	0.149	0.004
106-G2	1	0	32	28.5	22.3	0.9	0.02	0.09	0	1.24	2.986	0.149	0.004
106-H1	1	0	32	18.6	15.3	0.9	0.02	0.09	0	1.18	2.33	0.105	0.002
106-O1	1	0	32	24.9	19.7	0.9	0.02	0.09	0	1.22	2.735	0.131	0.003
107-H1	1	0	32	233.9	166	0.9	0.02	0.09	0	2.46	**33.571**	**6.539**	0.602
108-H1	1	0	32	72.8	53.2	0.9	0.02	0.09	0	1.51	**7.144**	0.536	0.019
108-O1	1	0	32	119.5	85.9	0.9	0.02	0.09	0	1.79	**13.51**	1.428	0.071
108-O2	1	0	32	53.9	40	0.9	0.02	0.09	0	1.39	**5.126**	0.327	0.01
109-H1	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002
110-A1	1	0	32	91.7	66.5	0.9	0.02	0.09	0	1.62	**9.508**	0.827	0.034
110-G1	1	0	32	67.7	49.7	0.9	0.02	0.09	0	1.48	**6.571**	0.472	0.016
110-G2	1	0	32	30.8	23.9	0.9	0.02	0.09	0	1.25	3.15	0.161	0.004
110-H1	1	0	32	58.8	43.5	0.9	0.02	0.09	0	1.42	**5.617**	0.374	0.012
110-O1	1	0	32	46.1	34.5	0.9	0.02	0.09	0	1.35	4.395	0.261	0.007
110-O2	1	0	32	80.7	58.8	0.9	0.02	0.09	0	1.55	**8.093**	0.646	0.025
111-H1	1	0	32	41.9	31.6	0.9	0.02	0.09	0	1.32	4.033	0.23	0.006
112-G1	1	0	32	97.3	70.4	0.9	0.02	0.09	0	1.65	**10.271**	0.931	0.04
112-H1	1	0	32	85.4	62.1	0.9	0.02	0.09	0	1.58	**8.687**	0.72	0.028
112-O1	1	0	32	296.9	210.1	0.9	0.02	0.09	0	2.82	**44.721**	**11.131**	1.322
113-G1	1	0	32	171.6	122.4	0.9	0.02	0.09	0	2.1	**22.251**	3.211	0.218
113-G2	1	0	32	190.1	135.4	0.9	0.02	0.09	0	2.2	**25.578**	4.064	0.304
113-G3	1	0	32	76.3	55.7	0.9	0.02	0.09	0	1.53	**7.561**	0.583	0.021
113-O1	1	0	32	122.8	88.3	0.9	0.02	0.09	0	1.81	**14.031**	1.516	0.077
114-G1	1	0	32	292.8	207.2	0.9	0.02	0.09	0	2.8	**44.019**	**10.798**	1.263
114-H1	1	0	32	327.3	231.4	0.9	0.02	0.09	0	2.99	**49.728**	**13.705**	1.814
114-O1	1	0	32	263	186.4	0.9	0.02	0.09	0	2.63	**38.82**	**8.521**	0.887
115-O1	1	0	32	394.7	278.6	0.9	0.02	0.09	0	3.37	**59.704**	**20.013**	3.28
116-O1	1	0	32	135.7	97.3	0.9	0.02	0.09	0	1.88	**16.095**	1.888	0.104
117-O1	1	0	32	15.8	13.4	0.9	0.02	0.09	0	1.16	2.166	0.094	0.002
118-G1	1	0	32	26.3	20.7	0.9	0.02	0.09	0	1.22	2.833	0.138	0.003
118-G2	1	0	32	21.9	17.6	0.9	0.02	0.09	0	1.2	2.534	0.118	0.003
118-H1	1	0	32	21.9	17.6	0.9	0.02	0.09	0	1.2	2.536	0.118	0.003
118-N1	1	0	32	47.1	35.3	0.9	0.02	0.09	0	1.35	4.488	0.269	0.008

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
118-N2	1	0	32	76.2	55.7	0.9	0.02	0.09	0	1.53	**7.551**	0.582	0.021
119-P1	1	0	32	275.8	195.4	0.9	0.02	0.09	0	2.7	**41.086**	**9.473**	1.038
120-A1	1	0	32	57.4	42.5	0.9	0.02	0.09	0	1.41	**5.473**	0.36	0.011
120-G1	1	0	32	55.1	40.8	0.9	0.02	0.09	0	1.4	**5.24**	0.338	0.01
120-H1	1	0	32	58.4	43.2	0.9	0.02	0.09	0	1.42	**5.571**	0.37	0.012
120-O1	1	0	32	93.3	67.6	0.9	0.02	0.09	0	1.63	**9.721**	0.855	0.036
121-G1	1	0	32	31.1	24.1	0.9	0.02	0.09	0	1.25	3.175	0.163	0.004
121-H1	1	0	32	44.1	33.2	0.9	0.02	0.09	0	1.33	4.221	0.246	0.007
121-N1	1	0	32	21.6	17.4	0.9	0.02	0.09	0	1.2	2.52	0.117	0.003
121-N2	1	0	32	39.1	29.7	0.9	0.02	0.09	0	1.3	3.798	0.211	0.006
122-G1	1	0	32	65.4	48.1	0.9	0.02	0.09	0	1.46	**6.311**	0.445	0.015
122-G2	1	0	32	58.7	43.4	0.9	0.02	0.09	0	1.42	**5.608**	0.373	0.012
122-H1	1	0	32	114.4	82.4	0.9	0.02	0.09	0	1.76	**12.74**	1.302	0.063
122-H2	1	0	32	66.5	48.8	0.9	0.02	0.09	0	1.47	**6.43**	0.457	0.016
122-O1	1	0	32	167.4	119.5	0.9	0.02	0.09	0	2.07	**21.506**	3.034	0.201
122-O2	1	0	32	244.8	173.7	0.9	0.02	0.09	0	2.52	**35.558**	**7.254**	0.7
122-P1	1	0	32	320.9	226.9	0.9	0.02	0.09	0	2.95	**48.704**	**13.15**	1.703
123-G1	1	0	32	80.8	58.9	0.9	0.02	0.09	0	1.56	**8.114**	0.649	0.025
123-G2	1	0	32	93.1	67.5	0.9	0.02	0.09	0	1.63	**9.696**	0.852	0.035
123-H1	1	0	32	72.4	53	0.9	0.02	0.09	0	1.5	**7.106**	0.531	0.019
123-O1	1	0	32	101	73	0.9	0.02	0.09	0	1.68	**10.777**	1.003	0.044
123-O2	1	0	32	220.4	156.6	0.9	0.02	0.09	0	2.38	**31.111**	**5.71**	0.495
124-G1	1	0	32	28	21.9	0.9	0.02	0.09	0	1.24	2.95	0.146	0.004
124-G2	1	0	32	76.6	55.9	0.9	0.02	0.09	0	1.53	**7.598**	0.588	0.022
124-H1	1	0	32	35.1	26.9	0.9	0.02	0.09	0	1.28	3.475	0.185	0.005
124-N1	1	0	32	27.6	21.6	0.9	0.02	0.09	0	1.23	2.921	0.144	0.003
124-N2	1	0	32	8.5	8.3	0.9	0.02	0.09	0	1.12	1.766	0.071	0.001
124-O1	1	0	32	76.6	55.9	0.9	0.02	0.09	0	1.53	**7.591**	0.587	0.022
125-O1	1	0	32	70	51.3	0.9	0.02	0.09	0	1.49	**6.829**	0.5	0.017
126-A1	1	0	32	64.8	47.7	0.9	0.02	0.09	0	1.46	**6.247**	0.438	0.015
126-G1	1	0	32	49	36.6	0.9	0.02	0.09	0	1.36	4.665	0.285	0.008
126-G2	1	0	32	42.2	31.8	0.9	0.02	0.09	0	1.32	4.052	0.232	0.006
126-H1	1	0	32	22	17.7	0.9	0.02	0.09	0	1.2	2.547	0.119	0.003
126-O1	1	0	32	48.8	36.5	0.9	0.02	0.09	0	1.36	4.642	0.283	0.008
126-O2	1	0	32	25.4	20.1	0.9	0.02	0.09	0	1.22	2.77	0.134	0.003
126-O3	1	0	32	50	37.3	0.9	0.02	0.09	0	1.37	4.751	0.292	0.009
126-P1	1	0	32	28.1	22	0.9	0.02	0.09	0	1.24	2.958	0.147	0.004
127-A1	1	0	32	117.8	84.8	0.9	0.02	0.09	0	1.78	**13.251**	1.385	0.068
127-G1	1	0	32	63.2	46.5	0.9	0.02	0.09	0	1.45	**6.075**	0.42	0.014
127-G2	1	0	32	64.9	47.7	0.9	0.02	0.09	0	1.46	**6.256**	0.439	0.015
127-H1	1	0	32	96.8	70	0.9	0.02	0.09	0	1.65	**10.192**	0.92	0.039
127-H2	1	0	32	42.5	32	0.9	0.02	0.09	0	1.32	4.081	0.234	0.006
127-N1	1	0	32	118.3	85.1	0.9	0.02	0.09	0	1.78	**13.337**	1.399	0.069
128-G1	1	0	32	37	28.2	0.9	0.02	0.09	0	1.29	3.623	0.197	0.005
128-G2	1	0	32	68.6	50.3	0.9	0.02	0.09	0	1.48	**6.662**	0.482	0.017
128-G3	1	0	32	39.9	30.3	0.9	0.02	0.09	0	1.31	3.865	0.216	0.006
128-N1	1	0	32	120.3	86.5	0.9	0.02	0.09	0	1.79	**13.644**	1.451	0.073
128-O1	1	0	32	69.2	50.8	0.9	0.02	0.09	0	1.49	**6.737**	0.49	0.017
129-H1	1	0	32	297.1	210.3	0.9	0.02	0.09	0	2.82	**44.758**	**11.149**	1.326
129-H2	1	0	32	335.8	237.4	0.9	0.02	0.09	0	3.04	**51.081**	**14.463**	1.971
130-G1	1	0	32	37.3	28.4	0.9	0.02	0.09	0	1.29	3.65	0.199	0.005
130-H1	1	0	32	17.8	14.7	0.9	0.02	0.09	0	1.17	2.28	0.101	0.002
130-H2	1	0	32	53.1	39.5	0.9	0.02	0.09	0	1.39	**5.047**	0.319	0.01
131-H1	1	0	32	135.4	97.1	0.9	0.02	0.09	0	1.88	**16.05**	1.88	0.104

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
132-G1	1	0	32	18.4	15.2	0.9	0.02	0.09	0	1.18	2.32	0.104	0.002
132-G2	1	0	32	7.5	7.5	0.9	0.02	0.09	0	1.11	1.715	0.068	0.001
132-H1	1	0	32	28.6	22.3	0.9	0.02	0.09	0	1.24	2.99	0.149	0.004
132-O1	1	0	32	33.2	25.6	0.9	0.02	0.09	0	1.27	3.332	0.175	0.004
133-G1	1	0	32	156.6	111.9	0.9	0.02	0.09	0	2.01	**19.604**	2.603	0.163
133-H1	1	0	32	107.9	77.8	0.9	0.02	0.09	0	1.72	**11.775**	1.151	0.053
134-O1	1	0	32	580.4	408.6	0.9	0.02	0.09	0	4.37	**78.844**	**38.75**	**9.925**
135-G1	1	0	32	116.1	83.6	0.9	0.02	0.09	0	1.77	**12.998**	1.344	0.066
135-H1	1	0	32	169.3	120.8	0.9	0.02	0.09	0	2.08	**21.842**	3.113	0.209
135-O1	1	0	32	113.9	82.1	0.9	0.02	0.09	0	1.75	**12.669**	1.291	0.062
136-A1	1	0	32	27.3	21.4	0.9	0.02	0.09	0	1.23	2.897	0.143	0.003
136-G1	1	0	32	25	19.8	0.9	0.02	0.09	0	1.22	2.741	0.132	0.003
136-H1	1	0	32	34.3	26.4	0.9	0.02	0.09	0	1.27	3.418	0.181	0.005
136-O1	1	0	32	204.6	145.5	0.9	0.02	0.09	0	2.29	**28.208**	4.81	0.387
137-O1	1	0	32	180.6	128.7	0.9	0.02	0.09	0	2.15	**23.854**	3.61	0.257
137-O2	1	0	32	122	87.7	0.9	0.02	0.09	0	1.8	**13.9**	1.494	0.076
138-G1	1	0	32	35.5	27.1	0.9	0.02	0.09	0	1.28	3.508	0.188	0.005
138-G2	1	0	32	48.1	36	0.9	0.02	0.09	0	1.36	4.58	0.277	0.008
138-H1	1	0	32	28.5	22.3	0.9	0.02	0.09	0	1.24	2.986	0.149	0.004
138-O1	1	0	32	24.4	19.4	0.9	0.02	0.09	0	1.21	2.702	0.129	0.003
138-O2	1	0	32	45.5	34.1	0.9	0.02	0.09	0	1.34	4.343	0.256	0.007
139-G1	1	0	32	46.7	35	0.9	0.02	0.09	0	1.35	4.45	0.266	0.008
139-G2	1	0	32	39.6	30	0.9	0.02	0.09	0	1.31	3.84	0.214	0.006
139-H1	1	0	32	42.7	32.2	0.9	0.02	0.09	0	1.32	4.098	0.235	0.007
139-N1	1	0	32	45.5	34.2	0.9	0.02	0.09	0	1.34	4.345	0.256	0.007
140-G1	1	0	32	263	186.4	0.9	0.02	0.09	0	2.63	**38.83**	**8.525**	0.888
140-H1	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002
140-O1	1	0	32	494.1	348.2	0.9	0.02	0.09	0	3.91	**71.363**	**30.055**	**6.39**
140-O2	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002
141-A1	1	0	32	39	29.6	0.9	0.02	0.09	0	1.3	3.785	0.21	0.006
141-H1	1	0	32	68.6	50.3	0.9	0.02	0.09	0	1.48	**6.671**	0.483	0.017
141-H2	1	0	32	80.4	58.6	0.9	0.02	0.09	0	1.55	**8.061**	0.643	0.024
141-H3	1	0	32	65.1	47.9	0.9	0.02	0.09	0	1.46	**6.283**	0.442	0.015
141-N1	1	0	32	29.5	22.9	0.9	0.02	0.09	0	1.24	3.052	0.154	0.004
141-N2	1	0	32	41.7	31.5	0.9	0.02	0.09	0	1.32	4.016	0.229	0.006
141-N3	1	0	32	12.4	11	0.9	0.02	0.09	0	1.14	1.975	0.083	0.002
141-N4	1	0	32	38.4	29.1	0.9	0.02	0.09	0	1.3	3.736	0.206	0.005
141-O1	1	0	32	43.9	33	0.9	0.02	0.09	0	1.33	4.204	0.244	0.007
142-H1	1	0	32	97.6	70.6	0.9	0.02	0.09	0	1.66	**10.307**	0.936	0.04
142-O1	1	0	32	69.2	50.7	0.9	0.02	0.09	0	1.48	**6.731**	0.49	0.017
143-A1	1	0	32	52	38.7	0.9	0.02	0.09	0	1.38	4.942	0.31	0.009
143-G1	1	0	32	65.9	48.5	0.9	0.02	0.09	0	1.47	**6.372**	0.451	0.015
143-G2	1	0	32	46.9	35.1	0.9	0.02	0.09	0	1.35	4.465	0.267	0.008
143-H1	1	0	32	70.6	51.7	0.9	0.02	0.09	0	1.49	**6.893**	0.507	0.018
144-G1	1	0	32	98.6	71.3	0.9	0.02	0.09	0	1.66	**10.443**	0.955	0.041
144-H1	1	0	32	140.5	100.7	0.9	0.02	0.09	0	1.91	**16.882**	2.039	0.116
145-A1	1	0	32	61.4	45.3	0.9	0.02	0.09	0	1.44	**5.884**	0.401	0.013
145-H1	1	0	32	159.9	114.2	0.9	0.02	0.09	0	2.03	**20.178**	2.729	0.174
146-H1	1	0	32	1802.4	1264	0.9	0.02	0.09	0	10.01	**99.484**	**93.028**	**68.364**
147-G1	1	0	32	59.7	44	0.9	0.02	0.09	0	1.43	**5.703**	0.383	0.012
147-G2	1	0	32	85	61.8	0.9	0.02	0.09	0	1.58	**8.631**	0.713	0.028
147-H1	1	0	32	83.3	60.6	0.9	0.02	0.09	0	1.57	**8.418**	0.686	0.027
148-H1	1	0	32	48.3	36.1	0.9	0.02	0.09	0	1.36	4.601	0.279	0.008
148-O1	1	0	32	61.7	45.5	0.9	0.02	0.09	0	1.44	**5.914**	0.404	0.013

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
148-O3	1	0	32	105.2	75.9	0.9	0.02	0.09	0	1.7	**11.376**	1.091	0.049
149-A1	1	0	32	46.5	34.8	0.9	0.02	0.09	0	1.35	4.433	0.264	0.008
149-G1	1	0	32	49	36.6	0.9	0.02	0.09	0	1.36	4.658	0.284	0.008
149-G2	1	0	32	54.4	40.4	0.9	0.02	0.09	0	1.4	**5.178**	0.332	0.01
149-H1	1	0	32	73.2	53.5	0.9	0.02	0.09	0	1.51	**7.193**	0.541	0.019
149-N1	1	0	32	34.4	26.4	0.9	0.02	0.09	0	1.27	3.423	0.181	0.005
150-G1	1	0	32	43.8	32.9	0.9	0.02	0.09	0	1.33	4.19	0.243	0.007
150-H1	1	0	32	37.9	28.9	0.9	0.02	0.09	0	1.3	3.702	0.203	0.005
151-H1	1	0	32	101.2	73.2	0.9	0.02	0.09	0	1.68	**10.817**	1.008	0.045
152-G1	1	0	32	114	82.1	0.9	0.02	0.09	0	1.75	**12.675**	1.292	0.062
152-H1	1	0	32	165.7	118.3	0.9	0.02	0.09	0	2.06	**21.209**	2.964	0.195
153-G1	1	0	32	105.6	76.3	0.9	0.02	0.09	0	1.7	**11.445**	1.101	0.05
153-H1	1	0	32	282.2	199.9	0.9	0.02	0.09	0	2.74	**42.201**	**9.964**	1.12
153-O1	1	0	32	222.5	158.1	0.9	0.02	0.09	0	2.39	**31.49**	**5.834**	0.51
153-O2	1	0	32	372.5	263.1	0.9	0.02	0.09	0	3.24	**56.602**	**17.863**	2.739
153-O3	1	0	32	220.4	156.6	0.9	0.02	0.09	0	2.38	**31.114**	**5.711**	0.495
153-O5	1	0	32	304.6	215.5	0.9	0.02	0.09	0	2.86	**46.013**	**11.762**	1.437
153-O6	1	0	32	101.9	73.6	0.9	0.02	0.09	0	1.68	**10.912**	1.022	0.045
153-O7	1	0	32	361	255	0.9	0.02	0.09	0	3.18	**54.925**	**16.775**	2.482
153-P1	1	0	32	280.1	198.4	0.9	0.02	0.09	0	2.72	**41.829**	**9.799**	1.092
154-G1	1	0	32	21.4	17.3	0.9	0.02	0.09	0	1.19	2.504	0.116	0.003
154-H1	1	0	32	21.8	17.5	0.9	0.02	0.09	0	1.2	2.53	0.118	0.003
155-G1	1	0	32	139.7	100.1	0.9	0.02	0.09	0	1.91	**16.742**	2.012	0.114
155-G2	1	0	32	91.7	66.5	0.9	0.02	0.09	0	1.62	**9.508**	0.827	0.034
155-H1	1	0	32	52.4	39	0.9	0.02	0.09	0	1.38	4.982	0.313	0.009
155-H2	1	0	32	168.3	120.1	0.9	0.02	0.09	0	2.08	**21.653**	3.069	0.205
155-O2	1	0	32	270.9	191.9	0.9	0.02	0.09	0	2.67	**40.222**	**9.103**	0.979
156-H1	1	0	32	81.7	59.5	0.9	0.02	0.09	0	1.56	**8.217**	0.662	0.025
156-O1	1	0	32	145.8	104.4	0.9	0.02	0.09	0	1.94	**17.774**	2.217	0.13
157-G1	1	0	32	41.7	31.5	0.9	0.02	0.09	0	1.32	4.009	0.228	0.006
157-H1	1	0	32	92.5	67.1	0.9	0.02	0.09	0	1.63	**9.62**	0.842	0.035
157-H2	1	0	32	63.1	46.5	0.9	0.02	0.09	0	1.45	**6.066**	0.419	0.014
157-O1	1	0	32	67.1	49.3	0.9	0.02	0.09	0	1.47	**6.502**	0.465	0.016
158-H1	1	0	32	33.8	26	0.9	0.02	0.09	0	1.27	3.377	0.178	0.005
158-O1	1	0	32	51.2	38.1	0.9	0.02	0.09	0	1.38	4.862	0.302	0.009
159-G1	1	0	32	70.3	51.5	0.9	0.02	0.09	0	1.49	**6.863**	0.504	0.018
159-H1	1	0	32	59.6	44	0.9	0.02	0.09	0	1.43	**5.7**	0.382	0.012
159-H2	1	0	32	101	73	0.9	0.02	0.09	0	1.68	**10.777**	1.003	0.044
159-O1	1	0	32	44.3	33.3	0.9	0.02	0.09	0	1.33	4.234	0.247	0.007
159-O2	1	0	32	51.2	38.2	0.9	0.02	0.09	0	1.38	4.871	0.303	0.009
160-G1	1	0	32	130.4	93.6	0.9	0.02	0.09	0	1.85	**15.231**	1.728	0.092
160-H1	1	0	32	80.3	58.5	0.9	0.02	0.09	0	1.55	**8.04**	0.64	0.024
160-H2	1	0	32	75.1	54.8	0.9	0.02	0.09	0	1.52	**7.411**	0.566	0.021
161-H1	1	0	32	129.6	93	0.9	0.02	0.09	0	1.85	**15.096**	1.704	0.091
161-N1	1	0	32	100.7	72.8	0.9	0.02	0.09	0	1.67	**10.737**	0.997	0.044
162-H1	1	0	32	80.7	58.8	0.9	0.02	0.09	0	1.55	**8.1**	0.647	0.025
163-G1	1	0	32	53	39.4	0.9	0.02	0.09	0	1.39	**5.039**	0.319	0.01
163-O1	1	0	32	71	52	0.9	0.02	0.09	0	1.5	**6.941**	0.513	0.018
164-H1	1	0	32	130.1	93.4	0.9	0.02	0.09	0	1.85	**15.187**	1.72	0.092
165-H1	1	0	32	13.2	11.6	0.9	0.02	0.09	0	1.14	2.018	0.085	0.002
165-O1	1	0	32	62.6	46.2	0.9	0.02	0.09	0	1.45	**6.017**	0.414	0.014
166-O1	1	0	32	254.2	180.2	0.9	0.02	0.09	0	2.57	**37.245**	**7.894**	0.793
167-O1	1	0	32	99.3	71.8	0.9	0.02	0.09	0	1.67	**10.541**	0.969	0.042
167-O2	1	0	32	154.5	110.5	0.9	0.02	0.09	0	1.99	**19.255**	2.527	0.156

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
167-O3	1	0	32	223.8	158.9	0.9	0.02	0.09	0	2.4	**31.726**	**5.912**	0.52
167-O4	1	0	32	175.9	125.4	0.9	0.02	0.09	0	2.12	**23.012**	3.398	0.236
167-O5	1	0	32	224.2	159.2	0.9	0.02	0.09	0	2.4	**31.802**	**5.937**	0.523
167-O6	1	0	32	246.5	174.9	0.9	0.02	0.09	0	2.53	**35.862**	**7.367**	0.716
167-O7	1	0	32	397.1	280.3	0.9	0.02	0.09	0	3.38	**60.023**	**20.245**	3.341
167-O8	1	0	32	205.3	146	0.9	0.02	0.09	0	2.29	**28.338**	4.849	0.391
167-O9	1	0	32	196.9	140.1	0.9	0.02	0.09	0	2.24	**26.802**	4.404	0.341
168-G1	1	0	32	37.5	28.6	0.9	0.02	0.09	0	1.29	3.668	0.201	0.005
168-G2	1	0	32	38	28.9	0.9	0.02	0.09	0	1.3	3.709	0.204	0.005
168-H1	1	0	32	28.8	22.4	0.9	0.02	0.09	0	1.24	3.004	0.15	0.004
168-N1	1	0	32	32.7	25.2	0.9	0.02	0.09	0	1.26	3.294	0.172	0.004
168-O1	1	0	32	48.2	36	0.9	0.02	0.09	0	1.36	4.588	0.278	0.008
169-G2	1	0	32	36.5	27.9	0.9	0.02	0.09	0	1.29	3.588	0.194	0.005
169-G3	1	0	32	54.8	40.6	0.9	0.02	0.09	0	1.4	**5.211**	0.335	0.01
169-G4	1	0	32	52.3	38.9	0.9	0.02	0.09	0	1.38	4.966	0.312	0.009
169-H1	1	0	32	41.5	31.3	0.9	0.02	0.09	0	1.32	3.995	0.227	0.006
170-G1	1	0	32	47.3	35.4	0.9	0.02	0.09	0	1.35	4.504	0.27	0.008
170-G2	1	0	32	116.9	84.2	0.9	0.02	0.09	0	1.77	**13.123**	1.364	0.067
170-H1	1	0	32	77	56.2	0.9	0.02	0.09	0	1.53	**7.649**	0.594	0.022
171-A1	1	0	32	155.6	111.3	0.9	0.02	0.09	0	2	**19.448**	2.569	0.16
171-G1	1	0	32	240.6	170.7	0.9	0.02	0.09	0	2.5	**34.795**	**6.974**	0.661
171-H1	1	0	32	233.5	165.7	0.9	0.02	0.09	0	2.46	**33.498**	**6.513**	0.598
173-G1	1	0	32	49.2	36.8	0.9	0.02	0.09	0	1.36	4.681	0.286	0.008
173-G2	1	0	32	17	14.2	0.9	0.02	0.09	0	1.17	2.234	0.099	0.002
173-G3	1	0	32	86.7	63	0.9	0.02	0.09	0	1.59	**8.847**	0.74	0.029
173-G4	1	0	32	120.3	86.5	0.9	0.02	0.09	0	1.79	**13.64**	1.45	0.073
173-G5	1	0	32	26.1	20.6	0.9	0.02	0.09	0	1.22	2.816	0.137	0.003
173-H1	1	0	32	136.6	97.9	0.9	0.02	0.09	0	1.89	**16.233**	1.914	0.106
173-P1	1	0	32	175	124.8	0.9	0.02	0.09	0	2.11	**22.85**	3.358	0.232
174-A1	1	0	32	71.9	52.7	0.9	0.02	0.09	0	1.5	**7.047**	0.525	0.019
174-G1	1	0	32	78.9	57.5	0.9	0.02	0.09	0	1.54	**7.876**	0.62	0.023
174-H1	1	0	32	179.5	127.9	0.9	0.02	0.09	0	2.14	**23.654**	3.559	0.252
175-G1	1	0	32	77.2	56.4	0.9	0.02	0.09	0	1.53	**7.671**	0.596	0.022
175-G2	1	0	32	26.8	21	0.9	0.02	0.09	0	1.23	2.864	0.14	0.003
175-H1	1	0	32	75.5	55.1	0.9	0.02	0.09	0	1.52	**7.461**	0.572	0.021
176-A1	1	0	32	39.3	29.8	0.9	0.02	0.09	0	1.3	3.812	0.212	0.006
176-H1	1	0	32	50.3	37.5	0.9	0.02	0.09	0	1.37	4.783	0.295	0.009
176-H2	1	0	32	29	22.6	0.9	0.02	0.09	0	1.24	3.022	0.152	0.004
176-P1	1	0	32	39	29.6	0.9	0.02	0.09	0	1.3	3.792	0.21	0.006
178-H1	1	0	32	29.1	22.7	0.9	0.02	0.09	0	1.24	3.028	0.152	0.004
179-H1	1	0	32	82.9	60.3	0.9	0.02	0.09	0	1.57	**8.373**	0.681	0.026
180-H1	1	0	32	421.7	297.5	0.9	0.02	0.09	0	3.52	**63.221**	**22.689**	4.013
180-H2	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002
180-O1	1	0	32	479.9	338.2	0.9	0.02	0.09	0	3.83	**69.909**	**28.601**	**5.878**
181-A1	1	0	32	106.1	76.6	0.9	0.02	0.09	0	1.71	**11.507**	1.11	0.051
181-G1	1	0	32	48.7	36.4	0.9	0.02	0.09	0	1.36	4.63	0.281	0.008
181-G2	1	0	32	112.3	80.9	0.9	0.02	0.09	0	1.74	**12.42**	1.251	0.06
181-H1	1	0	32	121.4	87.3	0.9	0.02	0.09	0	1.8	**13.809**	1.478	0.075
181-H2	1	0	32	115	82.8	0.9	0.02	0.09	0	1.76	**12.83**	1.316	0.064
181-N1	1	0	32	126.7	91	0.9	0.02	0.09	0	1.83	**14.645**	1.623	0.085
181-N2	1	0	32	138.4	99.2	0.9	0.02	0.09	0	1.9	**16.541**	1.973	0.111
181-O1	1	0	32	57.3	42.4	0.9	0.02	0.09	0	1.41	**5.463**	0.359	0.011
182-G1	1	0	32	199.4	141.9	0.9	0.02	0.09	0	2.26	**27.261**	4.534	0.355
182-G2	1	0	32	179.8	128.2	0.9	0.02	0.09	0	2.14	**23.711**	3.573	0.254

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
182-H1	1	0	32	138.6	99.3	0.9	0.02	0.09	0	1.9	**16.56**	1.977	0.111
182-H2	1	0	32	133.8	95.9	0.9	0.02	0.09	0	1.87	**15.776**	1.828	0.1
182-O1	1	0	32	110.2	79.4	0.9	0.02	0.09	0	1.73	**12.113**	1.203	0.056
182-O2	1	0	32	186	132.5	0.9	0.02	0.09	0	2.18	**24.823**	3.862	0.283
182-O3	1	0	32	178.6	127.3	0.9	0.02	0.09	0	2.14	**23.503**	3.521	0.248
184-H1	1	0	32	188.9	134.5	0.9	0.02	0.09	0	2.2	**25.343**	4.001	0.297
185-A1	1	0	32	33.8	26	0.9	0.02	0.09	0	1.27	3.379	0.178	0.005
185-H1	1	0	32	32.6	25.1	0.9	0.02	0.09	0	1.26	3.282	0.171	0.004
186-O1	1	0	32	350	247.3	0.9	0.02	0.09	0	3.12	**53.271**	**15.75**	2.249
187-H1	1	0	32	107.5	77.6	0.9	0.02	0.09	0	1.72	**11.715**	1.142	0.053
188-A1	1	0	32	78.2	57.1	0.9	0.02	0.09	0	1.54	**7.794**	0.611	0.023
188-G1	1	0	32	116.9	84.2	0.9	0.02	0.09	0	1.77	**13.123**	1.364	0.067
188-G2	1	0	32	122	87.7	0.9	0.02	0.09	0	1.8	**13.9**	1.494	0.076
188-G3	1	0	32	61.7	45.5	0.9	0.02	0.09	0	1.44	**5.914**	0.404	0.013
188-H1	1	0	32	39	29.6	0.9	0.02	0.09	0	1.3	3.792	0.21	0.006
188-P1	1	0	32	56.6	41.9	0.9	0.02	0.09	0	1.41	**5.395**	0.352	0.011
189-G1	1	0	32	44	33.1	0.9	0.02	0.09	0	1.33	4.212	0.245	0.007
189-H1	1	0	32	76.3	55.7	0.9	0.02	0.09	0	1.53	**7.561**	0.583	0.021
189-H2	1	0	32	103.5	74.7	0.9	0.02	0.09	0	1.69	**11.135**	1.055	0.047
189-O1	1	0	32	119.8	86.2	0.9	0.02	0.09	0	1.79	**13.563**	1.437	0.072
190-G1	1	0	32	18.3	15.1	0.9	0.02	0.09	0	1.18	2.31	0.103	0.002
190-H1	1	0	32	41.5	31.3	0.9	0.02	0.09	0	1.32	3.992	0.227	0.006
190-N1	1	0	32	26.9	21.1	0.9	0.02	0.09	0	1.23	2.874	0.141	0.003
190-N2	1	0	32	24.4	19.4	0.9	0.02	0.09	0	1.21	2.702	0.129	0.003
190-N3	1	0	32	21	17	0.9	0.02	0.09	0	1.19	2.477	0.114	0.003
190-O1	1	0	32	62.8	46.2	0.9	0.02	0.09	0	1.45	**6.029**	0.416	0.014
191-H1	1	0	32	211.2	150.1	0.9	0.02	0.09	0	2.33	**29.416**	**5.175**	0.429
192-A1	1	0	32	37.4	28.5	0.9	0.02	0.09	0	1.29	3.662	0.2	0.005
192-G1	1	0	32	28.4	22.2	0.9	0.02	0.09	0	1.24	2.98	0.149	0.004
192-H1	1	0	32	34	26.1	0.9	0.02	0.09	0	1.27	3.388	0.179	0.005
193-G1	1	0	32	18.6	15.3	0.9	0.02	0.09	0	1.18	2.33	0.105	0.002
193-H1	1	0	32	21.4	17.3	0.9	0.02	0.09	0	1.19	2.506	0.116	0.003
194-H1	1	0	32	27.5	21.5	0.9	0.02	0.09	0	1.23	2.911	0.144	0.003
194-N1	1	0	32	34.2	26.2	0.9	0.02	0.09	0	1.27	3.403	0.18	0.005
195-G1	1	0	32	77.8	56.8	0.9	0.02	0.09	0	1.54	**7.743**	0.605	0.022
195-G2	1	0	32	154.8	110.7	0.9	0.02	0.09	0	2	**19.303**	2.537	0.157
195-O1	1	0	32	195.5	139.1	0.9	0.02	0.09	0	2.23	**26.547**	4.332	0.333
196-A1	1	0	32	57.5	42.5	0.9	0.02	0.09	0	1.41	**5.479**	0.361	0.011
196-A2	1	0	32	68.7	50.4	0.9	0.02	0.09	0	1.48	**6.674**	0.484	0.017
196-G1	1	0	32	47.7	35.7	0.9	0.02	0.09	0	1.36	4.542	0.274	0.008
196-O1	1	0	32	69	50.6	0.9	0.02	0.09	0	1.48	**6.708**	0.487	0.017
197-H1	1	0	32	140.9	100.9	0.9	0.02	0.09	0	1.91	**16.951**	2.053	0.117
198-G1	1	0	32	78.3	57.1	0.9	0.02	0.09	0	1.54	**7.807**	0.612	0.023
198-H1	1	0	32	168.3	120.1	0.9	0.02	0.09	0	2.08	**21.653**	3.069	0.205
199-G1	1	0	32	14.7	12.6	0.9	0.02	0.09	0	1.15	2.102	0.09	0.002
199-O1	1	0	32	26.5	20.8	0.9	0.02	0.09	0	1.23	2.842	0.139	0.003
200-G1	1	0	32	29.9	23.2	0.9	0.02	0.09	0	1.25	3.083	0.156	0.004
200-H1	1	0	32	29.1	22.7	0.9	0.02	0.09	0	1.24	3.028	0.152	0.004
200-O1	1	0	32	27.7	21.7	0.9	0.02	0.09	0	1.23	2.927	0.145	0.003
201-O1	1	0	32	324.8	229.7	0.9	0.02	0.09	0	2.98	**49.331**	**13.488**	1.771
202-H1	1	0	32	173.3	123.6	0.9	0.02	0.09	0	2.11	**22.55**	3.284	0.225
202-N1	1	0	32	57.9	42.8	0.9	0.02	0.09	0	1.42	**5.522**	0.365	0.012
202-O1	1	0	32	137	98.2	0.9	0.02	0.09	0	1.89	**16.302**	1.927	0.107
203-H1	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
203-O1	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002
203-O2	1	0	32	479.2	337.8	0.9	0.02	0.09	0	3.83	**69.836**	**28.53**	**5.854**
205-O1	1	0	32	507.3	357.4	0.9	0.02	0.09	0	3.98	**72.647**	**31.395**	**6.882**
206-A1	1	0	32	116.1	83.6	0.9	0.02	0.09	0	1.77	**12.995**	1.343	0.066
206-G1	1	0	32	50.4	37.6	0.9	0.02	0.09	0	1.37	4.791	0.296	0.009
206-H1	1	0	32	18	14.9	0.9	0.02	0.09	0	1.17	2.293	0.102	0.002
206-H2	1	0	32	285	201.8	0.9	0.02	0.09	0	2.75	**42.676**	**10.178**	1.156
206-O1	1	0	32	252.4	179	0.9	0.02	0.09	0	2.56	**36.925**	**7.77**	0.775
207-O1	1	0	32	110.8	79.9	0.9	0.02	0.09	0	1.74	**12.203**	1.217	0.057
208-H1	1	0	32	264.1	187.2	0.9	0.02	0.09	0	2.63	**39.018**	**8.602**	0.9
209-G1	1	0	32	238.7	169.4	0.9	0.02	0.09	0	2.49	**34.442**	**6.847**	0.644
209-H1	1	0	32	391.9	276.6	0.9	0.02	0.09	0	3.35	**59.318**	**19.735**	3.208
209-P1	1	0	32	517.6	364.6	0.9	0.02	0.09	0	4.04	**73.616**	**32.445**	**7.279**
210-H1	1	0	32	113.6	81.8	0.9	0.02	0.09	0	1.75	**12.611**	1.281	0.062
210-O1	1	0	32	127.9	91.8	0.9	0.02	0.09	0	1.84	**14.828**	1.656	0.087
211-A1	1	0	32	71.8	52.6	0.9	0.02	0.09	0	1.5	**7.037**	0.524	0.019
211-G1	1	0	32	38.6	29.3	0.9	0.02	0.09	0	1.3	3.757	0.208	0.006
211-G2	1	0	32	44.7	33.6	0.9	0.02	0.09	0	1.34	4.27	0.25	0.007
211-H1	1	0	32	70.7	51.8	0.9	0.02	0.09	0	1.49	**6.902**	0.509	0.018
211-O1	1	0	32	127.3	91.4	0.9	0.02	0.09	0	1.83	**14.738**	1.64	0.086
212-H1	1	0	32	188.5	134.2	0.9	0.02	0.09	0	2.19	**25.275**	3.983	0.296
212-H2	1	0	32	149.1	106.7	0.9	0.02	0.09	0	1.96	**18.335**	2.332	0.14
213-O1	1	0	32	35.5	27.1	0.9	0.02	0.09	0	1.28	3.504	0.188	0.005
213-O2	1	0	32	84.3	61.3	0.9	0.02	0.09	0	1.58	**8.551**	0.703	0.027
213-O3	1	0	32	57.5	42.5	0.9	0.02	0.09	0	1.41	**5.484**	0.361	0.011
801-O1	1	0	32	28.9	22.5	0.9	0.02	0.09	0	1.24	3.014	0.151	0.004
801-O2	1	0	32	14.9	12.8	0.9	0.02	0.09	0	1.16	2.115	0.091	0.002
801-O3	1	0	32	31.1	24.1	0.9	0.02	0.09	0	1.25	3.175	0.163	0.004
802-O1	1	0	32	150.3	107.5	0.9	0.02	0.09	0	1.97	**18.534**	2.374	0.143
803-O1	1	0	32	446.5	314.8	0.9	0.02	0.09	0	3.65	**66.212**	**25.188**	4.76
803-O2	1	0	32	314.6	222.6	0.9	0.02	0.09	0	2.92	**47.683**	**12.611**	1.598
803-O3	1	0	32	234.7	166.6	0.9	0.02	0.09	0	2.46	**33.724**	**6.592**	0.609
804-O1	1	0	32	102.1	73.8	0.9	0.02	0.09	0	1.68	**10.936**	1.026	0.046
804-O2	1	0	32	254.1	180.1	0.9	0.02	0.09	0	2.57	**37.227**	**7.887**	0.792
805-O1	1	0	32	38.2	29	0.9	0.02	0.09	0	1.3	3.723	0.205	0.005
805-O2	1	0	32	45.5	34.1	0.9	0.02	0.09	0	1.34	4.343	0.256	0.007
806-O1	1	0	32	28.4	22.1	0.9	0.02	0.09	0	1.24	2.974	0.148	0.004
806-O2	1	0	32	29.6	23	0.9	0.02	0.09	0	1.24	3.064	0.155	0.004
806-O3	1	0	32	50.7	37.8	0.9	0.02	0.09	0	1.37	4.814	0.298	0.009
806-O4	1	0	32	36.9	28.1	0.9	0.02	0.09	0	1.29	3.621	0.197	0.005
806-O5	1	0	32	37.3	28.5	0.9	0.02	0.09	0	1.29	3.655	0.199	0.005
807-O1	1	0	32	29	22.6	0.9	0.02	0.09	0	1.24	3.024	0.152	0.004
808-O1	1	0	32	33.7	25.9	0.9	0.02	0.09	0	1.27	3.371	0.177	0.005
808-O2	1	0	32	35.8	27.4	0.9	0.02	0.09	0	1.28	3.534	0.19	0.005
203-O3	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002
203-O4	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 2/20/2020
Site Name: UCR
Operable Unit: Current Resident, Kokanee
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: RES KOK_02`20`20.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
13	1	0	32	92.4	67	0.9	0.02	0.02	0	1.61	**9.337**	0.804	0.033
14	1	0	32	77.1	56.3	0.9	0.02	0.02	0	1.52	**7.414**	0.566	0.021
15	1	0	32	93.6	67.8	0.9	0.02	0.02	0	1.62	**9.487**	0.824	0.034
16	1	0	32	356	251.5	0.9	0.02	0.02	0	3.14	**53.867**	**16.114**	2.331
17	1	0	32	150.5	107.7	0.9	0.02	0.02	0	1.96	**18.222**	2.309	0.138
9	1	0	32	91.8	66.5	0.9	0.02	0.02	0	1.61	**9.247**	0.792	0.032
40	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
1015	1	0	32	47.6	35.6	0.9	0.02	0.02	0	1.34	4.35	0.257	0.007
1017	1	0	32	139.2	99.8	0.9	0.02	0.02	0	1.89	**16.339**	1.934	0.108
1018	1	0	32	51.9	38.6	0.9	0.02	0.02	0	1.37	4.738	0.291	0.009
42	1	0	32	229.6	163.1	0.9	0.02	0.02	0	2.42	**32.428**	**6.146**	0.55
44	1	0	32	99.7	72.1	0.9	0.02	0.02	0	1.66	**10.32**	0.938	0.04
46	1	0	32	188.7	134.4	0.9	0.02	0.02	0	2.18	**24.947**	3.895	0.286
47	1	0	32	222.3	157.9	0.9	0.02	0.02	0	2.38	**31.083**	**5.701**	0.493
49	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
60	1	0	32	59.3	43.8	0.9	0.02	0.02	0	1.41	**5.455**	0.358	0.011
61	1	0	32	137.2	98.3	0.9	0.02	0.02	0	1.88	**16.002**	1.871	0.103
22	1	0	32	118.9	85.5	0.9	0.02	0.02	0	1.77	**13.108**	1.362	0.067
25	1	0	32	54.5	40.4	0.9	0.02	0.02	0	1.38	4.984	0.314	0.009
27	1	0	32	135.3	97	0.9	0.02	0.02	0	1.87	**15.686**	1.812	0.099
28	1	0	32	49.2	36.8	0.9	0.02	0.02	0	1.35	4.497	0.27	0.008
29	1	0	32	42.7	32.2	0.9	0.02	0.02	0	1.31	3.927	0.221	0.006
30	1	0	32	51.6	38.4	0.9	0.02	0.02	0	1.37	4.712	0.289	0.008
31	1	0	32	255.8	181.3	0.9	0.02	0.02	0	2.57	**37.167**	**7.864**	0.788
33	1	0	32	206.4	146.8	0.9	0.02	0.02	0	2.29	**28.175**	4.801	0.386
35	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
35PA	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
39	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
226C	1	0	32	395.3	279	0.9	0.02	0.02	0	3.36	**59.501**	**19.866**	3.242

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
55	1	0	32	67.1	49.2	0.9	0.02	0.02	0	1.46	**6.274**	0.441	0.015
56	1	0	32	185.9	132.4	0.9	0.02	0.02	0	2.17	**24.446**	3.763	0.273
58	1	0	32	73.3	53.6	0.9	0.02	0.02	0	1.5	**6.971**	0.516	0.018
59	1	0	32	206.6	146.9	0.9	0.02	0.02	0	2.29	**28.208**	4.81	0.387
59A	1	0	32	335.3	237	0.9	0.02	0.02	0	3.02	**50.674**	**14.232**	1.923
62	1	0	32	118.1	85	0.9	0.02	0.02	0	1.77	**12.988**	1.342	0.065
62G	1	0	32	70.6	51.7	0.9	0.02	0.02	0	1.48	**6.662**	0.482	0.017
66	1	0	32	141.1	101	0.9	0.02	0.02	0	1.9	**16.638**	1.992	0.112
67	1	0	32	174.5	124.4	0.9	0.02	0.02	0	2.1	**22.393**	3.246	0.221
70	1	0	32	202.6	144.1	0.9	0.02	0.02	0	2.26	**27.48**	4.597	0.362
71	1	0	32	127	91.2	0.9	0.02	0.02	0	1.82	**14.365**	1.574	0.081
72M	1	0	32	253.9	180.1	0.9	0.02	0.02	0	2.56	**36.839**	**7.737**	0.77
72U	1	0	32	109.7	79.1	0.9	0.02	0.02	0	1.72	**11.738**	1.145	0.053
75	1	0	32	381.8	269.6	0.9	0.02	0.02	0	3.28	**57.637**	**18.56**	2.91
82	1	0	32	54.8	40.6	0.9	0.02	0.02	0	1.39	**5.014**	0.316	0.01
85	1	0	32	57.4	42.5	0.9	0.02	0.02	0	1.4	**5.267**	0.34	0.011
86	1	0	32	115.3	83	0.9	0.02	0.02	0	1.75	**12.574**	1.275	0.061
87	1	0	32	99.5	72	0.9	0.02	0.02	0	1.66	**10.297**	0.934	0.04
94M	1	0	32	73.9	54	0.9	0.02	0.02	0	1.5	**7.041**	0.524	0.019
106	1	0	32	387.2	273.4	0.9	0.02	0.02	0	3.31	**58.397**	**19.084**	3.041
107	1	0	32	169.3	120.8	0.9	0.02	0.02	0	2.07	**21.483**	3.028	0.201
108	1	0	32	185.4	132.1	0.9	0.02	0.02	0	2.16	**24.356**	3.739	0.27
109	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
110	1	0	32	88.5	64.3	0.9	0.02	0.02	0	1.59	**8.827**	0.738	0.029
110G	1	0	32	41.5	31.4	0.9	0.02	0.02	0	1.31	3.83	0.213	0.006
111	1	0	32	70.4	51.5	0.9	0.02	0.02	0	1.48	**6.638**	0.48	0.017
112	1	0	32	471.3	332.2	0.9	0.02	0.02	0	3.78	**68.778**	**27.516**	**5.51**
112G	1	0	32	181.5	129.4	0.9	0.02	0.02	0	2.14	**23.659**	3.56	0.252
113low	1	0	32	263	186.4	0.9	0.02	0.02	0	2.61	**38.468**	**8.378**	0.865
113up	1	0	32	398.8	281.5	0.9	0.02	0.02	0	3.38	**59.983**	**20.216**	3.333
115SP	1	0	32	493.1	347.5	0.9	0.02	0.02	0	3.89	**71.056**	**29.742**	**6.278**
21	1	0	32	104.1	75.2	0.9	0.02	0.02	0	1.68	**10.93**	1.025	0.045
21G	1	0	32	337.4	238.5	0.9	0.02	0.02	0	3.04	**51.014**	**14.424**	1.963
116M	1	0	32	347.4	245.4	0.9	0.02	0.02	0	3.09	**52.558**	**15.322**	2.155
122	1	0	32	69	50.6	0.9	0.02	0.02	0	1.47	**6.491**	0.464	0.016
121	1	0	32	148.3	106.1	0.9	0.02	0.02	0	1.95	**17.846**	2.232	0.131
123	1	0	32	336.5	237.9	0.9	0.02	0.02	0	3.03	**50.879**	**14.348**	1.947
135	1	0	32	130.2	93.5	0.9	0.02	0.02	0	1.84	**14.879**	1.665	0.088
146	1	0	32	81.4	59.3	0.9	0.02	0.02	0	1.55	**7.935**	0.627	0.024
146G	1	0	32	43.2	32.6	0.9	0.02	0.02	0	1.32	3.973	0.225	0.006
147	1	0	32	50.9	37.9	0.9	0.02	0.02	0	1.36	4.649	0.283	0.008
151	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
152	1	0	32	183.4	130.7	0.9	0.02	0.02	0	2.15	**23.999**	3.647	0.261
160	1	0	32	153.4	109.7	0.9	0.02	0.02	0	1.98	**18.706**	2.41	0.146
163	1	0	32	158.1	113	0.9	0.02	0.02	0	2	**19.522**	2.585	0.161
163G	1	0	32	222.8	158.3	0.9	0.02	0.02	0	2.38	**31.179**	**5.733**	0.497

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
164	1	0	32	118	84.9	0.9	0.02	0.02	0	1.77	**12.97**	1.339	0.065
167	1	0	32	71.4	52.3	0.9	0.02	0.02	0	1.49	**6.758**	0.493	0.017
168	1	0	32	365.9	258.4	0.9	0.02	0.02	0	3.2	**55.344**	**17.042**	2.544
169	1	0	32	262	185.7	0.9	0.02	0.02	0	2.61	**38.277**	**8.302**	0.854
169A	1	0	32	238.9	169.5	0.9	0.02	0.02	0	2.47	**34.112**	**6.729**	0.628
320new	1	0	32	555.7	391.3	0.9	0.02	0.02	0	4.23	**76.755**	**36.09**	**8.754**
216	1	0	32	310.2	219.4	0.9	0.02	0.02	0	2.88	**46.615**	**12.064**	1.493
1030	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
170	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
172U	1	0	32	294	208.1	0.9	0.02	0.02	0	2.79	**43.889**	**10.737**	1.252
174M	1	0	32	23.7	18.9	0.9	0.02	0.02	0	1.2	2.524	0.117	0.003
175	1	0	32	171.3	122.2	0.9	0.02	0.02	0	2.08	**21.829**	3.11	0.209
238G	1	0	32	47.1	35.3	0.9	0.02	0.02	0	1.34	4.309	0.253	0.007
238M	1	0	32	34.9	26.8	0.9	0.02	0.02	0	1.26	3.308	0.173	0.004
176G	1	0	32	140.1	100.4	0.9	0.02	0.02	0	1.9	**16.489**	1.963	0.11
176M	1	0	32	215.9	153.4	0.9	0.02	0.02	0	2.34	**29.908**	**5.328**	0.448
177	1	0	32	172.8	123.2	0.9	0.02	0.02	0	2.09	**22.093**	3.173	0.215
206	1	0	32	142.4	101.9	0.9	0.02	0.02	0	1.91	**16.853**	2.034	0.116
208	1	0	32	161.9	115.6	0.9	0.02	0.02	0	2.03	**20.176**	2.729	0.174
208AA	1	0	32	173.4	123.6	0.9	0.02	0.02	0	2.09	**22.195**	3.198	0.217
208BM	1	0	32	112.5	81.1	0.9	0.02	0.02	0	1.73	**12.155**	1.209	0.057
208G	1	0	32	92.1	66.7	0.9	0.02	0.02	0	1.61	**9.285**	0.797	0.032
209A	1	0	32	115.7	83.3	0.9	0.02	0.02	0	1.75	**12.628**	1.284	0.062
213	1	0	32	440.1	310.4	0.9	0.02	0.02	0	3.61	**65.225**	**24.338**	4.499
185	1	0	32	196.7	140	0.9	0.02	0.02	0	2.23	**26.394**	4.289	0.328
185G	1	0	32	71	52	0.9	0.02	0.02	0	1.48	**6.713**	0.488	0.017
186	1	0	32	242.3	171.9	0.9	0.02	0.02	0	2.49	**34.735**	**6.952**	0.658
1035	1	0	32	114.9	82.8	0.9	0.02	0.02	0	1.75	**12.515**	1.266	0.061
1036	1	0	32	76.8	56	0.9	0.02	0.02	0	1.52	**7.377**	0.562	0.02
1037	1	0	32	98.4	71.2	0.9	0.02	0.02	0	1.65	**10.145**	0.913	0.039
189	1	0	32	154.4	110.4	0.9	0.02	0.02	0	1.98	**18.891**	2.449	0.15
1060	1	0	32	127.8	91.8	0.9	0.02	0.02	0	1.82	**14.492**	1.596	0.083
192	1	0	32	262.5	186	0.9	0.02	0.02	0	2.61	**38.362**	**8.336**	0.859
1020	1	0	32	96.5	69.9	0.9	0.02	0.02	0	1.64	**9.883**	0.877	0.037
1021	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
193	1	0	32	140.2	100.4	0.9	0.02	0.02	0	1.9	**16.5**	1.965	0.11
194	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
218	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
201	1	0	32	447.1	315.3	0.9	0.02	0.02	0	3.64	**66.052**	**25.048**	4.717
201G	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
203	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
229	1	0	32	48.6	36.3	0.9	0.02	0.02	0	1.35	4.44	0.265	0.008
230G	1	0	32	80.1	58.4	0.9	0.02	0.02	0	1.54	**7.771**	0.608	0.023
196	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
231	1	0	32	125.5	90.1	0.9	0.02	0.02	0	1.81	**14.127**	1.533	0.078
231Lower	1	0	32	138	98.9	0.9	0.02	0.02	0	1.88	**16.13**	1.895	0.105

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
7	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
154	1	0	32	66.3	48.7	0.9	0.02	0.02	0	1.46	**6.197**	0.433	0.014
246	1	0	32	29.2	22.8	0.9	0.02	0.02	0	1.23	2.892	0.142	0.003
18	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
20	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
249	1	0	32	85.9	62.5	0.9	0.02	0.02	0	1.57	**8.497**	0.696	0.027
250	1	0	32	92.2	66.8	0.9	0.02	0.02	0	1.61	**9.3**	0.799	0.033
253	1	0	32	110	79.3	0.9	0.02	0.02	0	1.72	**11.779**	1.151	0.053
258	1	0	32	767.7	539.7	0.9	0.02	0.02	0	5.33	**88.92**	**55.387**	**19.364**
259	1	0	32	240.7	170.8	0.9	0.02	0.02	0	2.49	**34.437**	**6.845**	0.643
284M	1	0	32	152.7	109.2	0.9	0.02	0.02	0	1.97	**18.594**	2.386	0.144
285M	1	0	32	157.6	112.7	0.9	0.02	0.02	0	2	**19.443**	2.567	0.16
287	1	0	32	150.2	107.4	0.9	0.02	0.02	0	1.96	**18.17**	2.298	0.137
288	1	0	32	68.2	50	0.9	0.02	0.02	0	1.47	**6.394**	0.454	0.015
288G1	1	0	32	79.7	58.1	0.9	0.02	0.02	0	1.54	**7.72**	0.602	0.022
288G2	1	0	32	59.8	44.2	0.9	0.02	0.02	0	1.42	**5.516**	0.364	0.012
289G3	1	0	32	76.3	55.7	0.9	0.02	0.02	0	1.52	**7.318**	0.555	0.02
291	1	0	32	77.6	56.6	0.9	0.02	0.02	0	1.52	**7.468**	0.573	0.021
306	1	0	32	86.1	62.6	0.9	0.02	0.02	0	1.57	**8.519**	0.699	0.027
315	1	0	32	37.7	28.7	0.9	0.02	0.02	0	1.28	3.521	0.189	0.005
316	1	0	32	105.2	75.9	0.9	0.02	0.02	0	1.69	**11.084**	1.047	0.047
317	1	0	32	227.9	161.8	0.9	0.02	0.02	0	2.41	**32.107**	**6.038**	0.536
317M	1	0	32	494.8	348.7	0.9	0.02	0.02	0	3.9	**71.231**	**29.92**	**6.342**
318	1	0	32	452.2	318.9	0.9	0.02	0.02	0	3.67	**66.647**	**25.569**	4.879
319	1	0	32	505.5	356.2	0.9	0.02	0.02	0	3.96	**72.288**	**31.014**	**6.74**
319M	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
420	1	0	32	517.5	364.6	0.9	0.02	0.02	0	4.03	**73.428**	**32.238**	**7.2**
421	1	0	32	318.8	225.4	0.9	0.02	0.02	0	2.93	**48.025**	**12.79**	1.632
410	1	0	32	394	278.1	0.9	0.02	0.02	0	3.35	**59.332**	**19.745**	3.21
412	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
413	1	0	32	543.1	382.5	0.9	0.02	0.02	0	4.16	**75.707**	**34.829**	**8.227**
325	1	0	32	37.8	28.8	0.9	0.02	0.02	0	1.28	3.532	0.19	0.005
326	1	0	32	71.5	52.3	0.9	0.02	0.02	0	1.49	**6.761**	0.493	0.017
327	1	0	32	50	37.3	0.9	0.02	0.02	0	1.36	4.571	0.276	0.008
999G1	1	0	32	85.9	62.4	0.9	0.02	0.02	0	1.57	**8.491**	0.695	0.027
999M1	1	0	32	79.9	58.2	0.9	0.02	0.02	0	1.54	**7.746**	0.605	0.022
999M2	1	0	32	56.1	41.6	0.9	0.02	0.02	0	1.39	**5.145**	0.329	0.01
999M3	1	0	32	83.8	61	0.9	0.02	0.02	0	1.56	**8.228**	0.663	0.025
72	1	0	32	230.4	163.6	0.9	0.02	0.02	0	2.43	**32.564**	**6.192**	0.556
1001	1	0	32	408.4	288.1	0.9	0.02	0.02	0	3.43	**61.249**	**21.155**	3.585
401	1	0	32	1101.5	773.4	0.9	0.02	0.02	0	6.95	**96.314**	**75.852**	**38.267**
402	1	0	32	577.5	406.6	0.9	0.02	0.02	0	4.35	**78.478**	**38.269**	**9.707**
403	1	0	32	419.6	296	0.9	0.02	0.02	0	3.49	**62.697**	**22.272**	3.895
440	1	0	32	145.2	103.9	0.9	0.02	0.02	0	1.93	**17.325**	2.127	0.123
441	1	0	32	737.9	518.8	0.9	0.02	0.02	0	5.18	**87.722**	**52.963**	**17.731**
442	1	0	32	258.8	183.4	0.9	0.02	0.02	0	2.59	**37.707**	**8.075**	0.82

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
1005	1	0	32	112.1	80.8	0.9	0.02	0.02	0	1.73	**12.094**	1.2	0.056
1006	1	0	32	91.7	66.5	0.9	0.02	0.02	0	1.61	**9.234**	0.79	0.032
1007	1	0	32	51.9	38.6	0.9	0.02	0.02	0	1.37	4.742	0.291	0.009
1008	1	0	32	91.5	66.3	0.9	0.02	0.02	0	1.61	**9.21**	0.787	0.032
1010	1	0	32	110.8	79.8	0.9	0.02	0.02	0	1.72	**11.894**	1.169	0.054
1011	1	0	32	146.2	104.7	0.9	0.02	0.02	0	1.93	**17.5**	2.162	0.126
345	1	0	32	103.9	75	0.9	0.02	0.02	0	1.68	**10.908**	1.022	0.045
346	1	0	32	130.4	93.6	0.9	0.02	0.02	0	1.84	**14.909**	1.67	0.088
347	1	0	32	312.7	221.2	0.9	0.02	0.02	0	2.9	**47.027**	**12.273**	1.533
430	1	0	32	262	185.7	0.9	0.02	0.02	0	2.61	**38.277**	**8.302**	0.854
431	1	0	32	110.3	79.5	0.9	0.02	0.02	0	1.72	**11.821**	1.158	0.054
432	1	0	32	307.5	217.5	0.9	0.02	0.02	0	2.87	**46.158**	**11.834**	1.451
801	1	0	32	239.9	170.3	0.9	0.02	0.02	0	2.48	**34.304**	**6.798**	0.637
3000	1	0	32	26.6	20.9	0.9	0.02	0.02	0	1.21	2.715	0.13	0.003
3001	1	0	32	371	262	0.9	0.02	0.02	0	3.22	**56.09**	**17.526**	2.658
3003	1	0	32	294.5	208.5	0.9	0.02	0.02	0	2.79	**43.97**	**10.775**	1.259
3004	1	0	32	81.9	59.6	0.9	0.02	0.02	0	1.55	**7.992**	0.634	0.024
280	1	0	32	367.4	259.5	0.9	0.02	0.02	0	3.2	**55.562**	**17.183**	2.577
280yard	1	0	32	302.9	214.3	0.9	0.02	0.02	0	2.84	**45.389**	**11.455**	1.381
075-A1	1	0	32	70.1	51.4	0.9	0.02	0.02	0	1.48	**6.607**	0.476	0.016
075-H1	1	0	32	81.8	59.5	0.9	0.02	0.02	0	1.55	**7.974**	0.632	0.024
075-O1	1	0	32	265	187.8	0.9	0.02	0.02	0	2.63	**38.82**	**8.521**	0.887
076-G1	1	0	32	85	61.8	0.9	0.02	0.02	0	1.57	**8.374**	0.681	0.026
076-G2	1	0	32	95.1	68.8	0.9	0.02	0.02	0	1.63	**9.688**	0.851	0.035
076-H1	1	0	32	93.4	67.7	0.9	0.02	0.02	0	1.62	**9.463**	0.821	0.034
076-H2	1	0	32	91.4	66.3	0.9	0.02	0.02	0	1.61	**9.203**	0.786	0.032
076-N1	1	0	32	157.3	112.4	0.9	0.02	0.02	0	2	**19.389**	2.556	0.159
077-A1	1	0	32	32.2	24.9	0.9	0.02	0.02	0	1.25	3.107	0.158	0.004
077-A2	1	0	32	31.3	24.2	0.9	0.02	0.02	0	1.24	3.04	0.153	0.004
077-G1	1	0	32	28.4	22.2	0.9	0.02	0.02	0	1.23	2.838	0.139	0.003
077-H1	1	0	32	36.3	27.7	0.9	0.02	0.02	0	1.27	3.415	0.181	0.005
077-H2	1	0	32	37.2	28.3	0.9	0.02	0.02	0	1.28	3.481	0.186	0.005
077-N1	1	0	32	34.8	26.6	0.9	0.02	0.02	0	1.26	3.294	0.172	0.004
078-G1	1	0	32	37.9	28.9	0.9	0.02	0.02	0	1.28	3.54	0.19	0.005
078-H1	1	0	32	24.6	19.5	0.9	0.02	0.02	0	1.2	2.581	0.121	0.003
078-N1	1	0	32	26.8	21.1	0.9	0.02	0.02	0	1.22	2.729	0.131	0.003
078-O1	1	0	32	32	24.7	0.9	0.02	0.02	0	1.25	3.094	0.157	0.004
079-H1	1	0	32	69.8	51.2	0.9	0.02	0.02	0	1.48	**6.579**	0.473	0.016
079-H2	1	0	32	121.7	87.5	0.9	0.02	0.02	0	1.79	**13.543**	1.434	0.072
080-H1	1	0	32	23.7	18.9	0.9	0.02	0.02	0	1.2	2.521	0.117	0.003
081-A1	1	0	32	36.3	27.7	0.9	0.02	0.02	0	1.27	3.409	0.18	0.005
081-H1	1	0	32	45.5	34.1	0.9	0.02	0.02	0	1.33	4.165	0.241	0.007
081-O1	1	0	32	126.2	90.6	0.9	0.02	0.02	0	1.81	**14.242**	1.553	0.08
082-G1	1	0	32	22.8	18.3	0.9	0.02	0.02	0	1.19	2.466	0.113	0.003
082-G2	1	0	32	41.1	31	0.9	0.02	0.02	0	1.3	3.791	0.21	0.006
082-H1	1	0	32	41.8	31.5	0.9	0.02	0.02	0	1.31	3.849	0.215	0.006

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
082-N1	1	0	32	35.4	27.1	0.9	0.02	0.02	0	1.27	3.345	0.175	0.004
082-N2	1	0	32	42.9	32.3	0.9	0.02	0.02	0	1.31	3.945	0.223	0.006
083-G1	1	0	32	35.4	27.1	0.9	0.02	0.02	0	1.27	3.345	0.175	0.004
083-G2	1	0	32	30.6	23.7	0.9	0.02	0.02	0	1.24	2.991	0.149	0.004
083-H1	1	0	32	44.4	33.4	0.9	0.02	0.02	0	1.32	4.071	0.233	0.006
084-H1	1	0	32	37.5	28.6	0.9	0.02	0.02	0	1.28	3.507	0.188	0.005
085-H1	1	0	32	60	44.3	0.9	0.02	0.02	0	1.42	**5.536**	0.366	0.012
085-O1	1	0	32	79.7	58.1	0.9	0.02	0.02	0	1.54	**7.721**	0.602	0.022
085-P1	1	0	32	157.2	112.3	0.9	0.02	0.02	0	2	**19.37**	2.552	0.158
086-G1	1	0	32	72.1	52.8	0.9	0.02	0.02	0	1.49	**6.837**	0.501	0.018
086-H1	1	0	32	60.8	44.9	0.9	0.02	0.02	0	1.42	**5.616**	0.374	0.012
086-H2	1	0	32	92.5	67.1	0.9	0.02	0.02	0	1.61	**9.351**	0.806	0.033
087-H1	1	0	32	51.6	38.4	0.9	0.02	0.02	0	1.37	4.717	0.289	0.009
087-O1	1	0	32	92.5	67.1	0.9	0.02	0.02	0	1.61	**9.351**	0.806	0.033
088-H1	1	0	32	184.3	131.3	0.9	0.02	0.02	0	2.16	**24.146**	3.685	0.265
088-H2	1	0	32	159	113.6	0.9	0.02	0.02	0	2.01	**19.68**	2.619	0.164
088-O1	1	0	32	136.3	97.7	0.9	0.02	0.02	0	1.87	**15.857**	1.843	0.101
089-A1	1	0	32	80.4	58.6	0.9	0.02	0.02	0	1.54	**7.813**	0.613	0.023
089-H1	1	0	32	95.1	68.8	0.9	0.02	0.02	0	1.63	**9.688**	0.851	0.035
089-O1	1	0	32	60.3	44.5	0.9	0.02	0.02	0	1.42	**5.565**	0.369	0.012
090-H1	1	0	32	95.3	69	0.9	0.02	0.02	0	1.63	**9.725**	0.856	0.036
090-O2	1	0	32	157.3	112.4	0.9	0.02	0.02	0	2	**19.389**	2.556	0.159
091-G1	1	0	32	81.3	59.2	0.9	0.02	0.02	0	1.55	**7.916**	0.625	0.023
091-H1	1	0	32	56	41.5	0.9	0.02	0.02	0	1.39	**5.133**	0.327	0.01
092-O1	1	0	32	180.3	128.5	0.9	0.02	0.02	0	2.13	**23.441**	3.505	0.247
092-O2	1	0	32	101.8	73.6	0.9	0.02	0.02	0	1.67	**10.611**	0.979	0.043
093-H1	1	0	32	67.9	49.8	0.9	0.02	0.02	0	1.46	**6.362**	0.45	0.015
094-H1	1	0	32	80.2	58.4	0.9	0.02	0.02	0	1.54	**7.779**	0.609	0.023
094-P1	1	0	32	77.1	56.3	0.9	0.02	0.02	0	1.52	**7.416**	0.567	0.021
095-A1	1	0	32	174.1	124.2	0.9	0.02	0.02	0	2.1	**22.339**	3.233	0.22
095-H1	1	0	32	118.6	85.3	0.9	0.02	0.02	0	1.77	**13.071**	1.356	0.066
095-O1	1	0	32	149.1	106.7	0.9	0.02	0.02	0	1.95	**17.99**	2.261	0.134
095-O2	1	0	32	177.5	126.6	0.9	0.02	0.02	0	2.12	**22.938**	3.379	0.234
096-H1	1	0	32	179.2	127.7	0.9	0.02	0.02	0	2.13	**23.239**	3.454	0.242
096-O1	1	0	32	313.4	221.7	0.9	0.02	0.02	0	2.9	**47.138**	**12.33**	1.544
097-H1	1	0	32	142.2	101.8	0.9	0.02	0.02	0	1.91	**16.825**	2.028	0.115
097-H2	1	0	32	117.8	84.8	0.9	0.02	0.02	0	1.76	**12.942**	1.335	0.065
098-G1	1	0	32	36.3	27.7	0.9	0.02	0.02	0	1.27	3.415	0.181	0.005
098-H1	1	0	32	34.4	26.4	0.9	0.02	0.02	0	1.26	3.269	0.17	0.004
098-O1	1	0	32	22.7	18.2	0.9	0.02	0.02	0	1.19	2.461	0.113	0.003
099-A1	1	0	32	56.5	41.8	0.9	0.02	0.02	0	1.4	**5.178**	0.332	0.01
099-G2	1	0	32	63.3	46.7	0.9	0.02	0.02	0	1.44	**5.878**	0.4	0.013
099-H1	1	0	32	144.4	103.4	0.9	0.02	0.02	0	1.92	**17.198**	2.102	0.121
099-O1	1	0	32	170.7	121.8	0.9	0.02	0.02	0	2.08	**21.723**	3.085	0.206
100-G1	1	0	32	46.1	34.6	0.9	0.02	0.02	0	1.33	4.219	0.246	0.007
100-H1	1	0	32	140.6	100.7	0.9	0.02	0.02	0	1.9	**16.558**	1.976	0.111

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
100-N1	1	0	32	88.4	64.2	0.9	0.02	0.02	0	1.59	**8.809**	0.735	0.029
100-N2	1	0	32	73.6	53.8	0.9	0.02	0.02	0	1.5	**7.004**	0.52	0.018
100-O1	1	0	32	138.4	99.2	0.9	0.02	0.02	0	1.89	**16.208**	1.909	0.106
101-G1	1	0	32	50.7	37.8	0.9	0.02	0.02	0	1.36	4.633	0.282	0.008
101-H1	1	0	32	131.5	94.4	0.9	0.02	0.02	0	1.85	**15.087**	1.702	0.091
101-O1	1	0	32	209.4	148.9	0.9	0.02	0.02	0	2.3	**28.728**	4.966	0.405
102-G1	1	0	32	56.5	41.8	0.9	0.02	0.02	0	1.4	**5.178**	0.332	0.01
102-H1	1	0	32	29.9	23.3	0.9	0.02	0.02	0	1.23	2.942	0.146	0.004
103-H1	1	0	32	118	84.9	0.9	0.02	0.02	0	1.77	**12.969**	1.339	0.065
103-O1	1	0	32	99	71.6	0.9	0.02	0.02	0	1.65	**10.222**	0.924	0.04
104-H1	1	0	32	182.1	129.8	0.9	0.02	0.02	0	2.14	**23.759**	3.586	0.255
104-H2	1	0	32	165.1	117.8	0.9	0.02	0.02	0	2.04	**20.734**	2.855	0.185
104-N1	1	0	32	149.8	107.2	0.9	0.02	0.02	0	1.95	**18.102**	2.284	0.136
105-H1	1	0	32	105.8	76.3	0.9	0.02	0.02	0	1.69	**11.169**	1.06	0.048
105-P1	1	0	32	217.3	154.4	0.9	0.02	0.02	0	2.35	**30.157**	**5.406**	0.457
106-G1	1	0	32	28.4	22.2	0.9	0.02	0.02	0	1.23	2.838	0.139	0.003
106-G2	1	0	32	28.5	22.3	0.9	0.02	0.02	0	1.23	2.844	0.139	0.003
106-H1	1	0	32	18.6	15.3	0.9	0.02	0.02	0	1.17	2.209	0.097	0.002
106-O1	1	0	32	24.9	19.7	0.9	0.02	0.02	0	1.2	2.601	0.122	0.003
107-H1	1	0	32	233.9	166	0.9	0.02	0.02	0	2.45	**33.201**	**6.41**	0.585
108-H1	1	0	32	72.8	53.2	0.9	0.02	0.02	0	1.49	**6.911**	0.509	0.018
108-O1	1	0	32	119.5	85.9	0.9	0.02	0.02	0	1.77	**13.199**	1.377	0.068
108-O2	1	0	32	53.9	40	0.9	0.02	0.02	0	1.38	4.931	0.309	0.009
109-H1	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
110-A1	1	0	32	91.7	66.5	0.9	0.02	0.02	0	1.61	**9.24**	0.791	0.032
110-G1	1	0	32	67.7	49.7	0.9	0.02	0.02	0	1.46	**6.347**	0.449	0.015
110-G2	1	0	32	30.8	23.9	0.9	0.02	0.02	0	1.24	3.003	0.15	0.004
110-H1	1	0	32	58.8	43.5	0.9	0.02	0.02	0	1.41	**5.412**	0.354	0.011
110-O1	1	0	32	46.1	34.5	0.9	0.02	0.02	0	1.33	4.216	0.245	0.007
110-O2	1	0	32	80.7	58.8	0.9	0.02	0.02	0	1.54	**7.844**	0.617	0.023
111-H1	1	0	32	41.9	31.6	0.9	0.02	0.02	0	1.31	3.862	0.216	0.006
112-G1	1	0	32	97.3	70.4	0.9	0.02	0.02	0	1.64	**9.993**	0.892	0.038
112-H1	1	0	32	85.4	62.1	0.9	0.02	0.02	0	1.57	**8.43**	0.688	0.027
112-O1	1	0	32	296.9	210.1	0.9	0.02	0.02	0	2.81	**44.376**	**10.967**	1.293
113-G1	1	0	32	171.6	122.4	0.9	0.02	0.02	0	2.08	**21.891**	3.125	0.21
113-G2	1	0	32	190.1	135.4	0.9	0.02	0.02	0	2.19	**25.211**	3.965	0.294
113-G3	1	0	32	76.3	55.7	0.9	0.02	0.02	0	1.52	**7.321**	0.556	0.02
113-O1	1	0	32	122.8	88.3	0.9	0.02	0.02	0	1.79	**13.716**	1.463	0.074
114-G1	1	0	32	292.8	207.2	0.9	0.02	0.02	0	2.78	**43.672**	**10.636**	1.235
114-H1	1	0	32	327.3	231.4	0.9	0.02	0.02	0	2.98	**49.402**	**13.527**	1.778
114-O1	1	0	32	263	186.4	0.9	0.02	0.02	0	2.61	**38.459**	**8.375**	0.865
115-O1	1	0	32	394.7	278.6	0.9	0.02	0.02	0	3.36	**59.428**	**19.814**	3.228
116-O1	1	0	32	135.7	97.3	0.9	0.02	0.02	0	1.87	**15.765**	1.826	0.1
117-O1	1	0	32	15.8	13.4	0.9	0.02	0.02	0	1.15	2.05	0.087	0.002
118-G1	1	0	32	26.3	20.7	0.9	0.02	0.02	0	1.21	2.695	0.129	0.003
118-G2	1	0	32	21.9	17.6	0.9	0.02	0.02	0	1.18	2.406	0.11	0.002

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
118-H1	1	0	32	21.9	17.6	0.9	0.02	0.02	0	1.19	2.407	0.11	0.002
118-N1	1	0	32	47.1	35.3	0.9	0.02	0.02	0	1.34	4.307	0.253	0.007
118-N2	1	0	32	76.2	55.7	0.9	0.02	0.02	0	1.52	**7.311**	0.554	0.02
119-P1	1	0	32	275.8	195.4	0.9	0.02	0.02	0	2.69	**40.73**	**9.319**	1.013
120-A1	1	0	32	57.4	42.5	0.9	0.02	0.02	0	1.4	**5.271**	0.34	0.011
120-G1	1	0	32	55.1	40.8	0.9	0.02	0.02	0	1.39	**5.042**	0.319	0.01
120-H1	1	0	32	58.4	43.2	0.9	0.02	0.02	0	1.41	**5.366**	0.35	0.011
120-O1	1	0	32	93.3	67.6	0.9	0.02	0.02	0	1.62	**9.45**	0.819	0.034
121-G1	1	0	32	31.1	24.1	0.9	0.02	0.02	0	1.24	3.027	0.152	0.004
121-H1	1	0	32	44.1	33.2	0.9	0.02	0.02	0	1.32	4.046	0.231	0.006
121-N1	1	0	32	21.6	17.4	0.9	0.02	0.02	0	1.18	2.392	0.109	0.002
121-N2	1	0	32	39.1	29.7	0.9	0.02	0.02	0	1.29	3.634	0.198	0.005
122-G1	1	0	32	65.4	48.1	0.9	0.02	0.02	0	1.45	**6.092**	0.422	0.014
122-G2	1	0	32	58.7	43.4	0.9	0.02	0.02	0	1.41	**5.403**	0.353	0.011
122-H1	1	0	32	114.4	82.4	0.9	0.02	0.02	0	1.74	**12.436**	1.253	0.06
122-H2	1	0	32	66.5	48.8	0.9	0.02	0.02	0	1.46	**6.209**	0.434	0.014
122-O1	1	0	32	167.4	119.5	0.9	0.02	0.02	0	2.06	**21.148**	2.95	0.194
122-O2	1	0	32	244.8	173.7	0.9	0.02	0.02	0	2.51	**35.191**	**7.118**	0.681
122-P1	1	0	32	320.9	226.9	0.9	0.02	0.02	0	2.94	**48.374**	**12.974**	1.668
123-G1	1	0	32	80.8	58.9	0.9	0.02	0.02	0	1.54	**7.865**	0.619	0.023
123-G2	1	0	32	93.1	67.5	0.9	0.02	0.02	0	1.62	**9.425**	0.816	0.033
123-H1	1	0	32	72.4	53	0.9	0.02	0.02	0	1.49	**6.873**	0.505	0.018
123-O1	1	0	32	101	73	0.9	0.02	0.02	0	1.66	**10.493**	0.962	0.042
123-O2	1	0	32	220.4	156.6	0.9	0.02	0.02	0	2.37	**30.74**	**5.591**	0.48
124-G1	1	0	32	28	21.9	0.9	0.02	0.02	0	1.22	2.809	0.137	0.003
124-G2	1	0	32	76.6	55.9	0.9	0.02	0.02	0	1.52	**7.357**	0.56	0.02
124-H1	1	0	32	35.1	26.9	0.9	0.02	0.02	0	1.27	3.319	0.174	0.004
124-N1	1	0	32	27.6	21.6	0.9	0.02	0.02	0	1.22	2.781	0.135	0.003
124-N2	1	0	32	8.5	8.3	0.9	0.02	0.02	0	1.1	1.664	0.065	0.001
124-O1	1	0	32	76.6	55.9	0.9	0.02	0.02	0	1.52	**7.35**	0.559	0.02
125-O1	1	0	32	70	51.3	0.9	0.02	0.02	0	1.48	**6.601**	0.476	0.016
126-A1	1	0	32	64.8	47.7	0.9	0.02	0.02	0	1.45	**6.029**	0.416	0.014
126-G1	1	0	32	49	36.6	0.9	0.02	0.02	0	1.35	4.48	0.268	0.008
126-G2	1	0	32	42.2	31.8	0.9	0.02	0.02	0	1.31	3.881	0.218	0.006
126-H1	1	0	32	22	17.7	0.9	0.02	0.02	0	1.19	2.418	0.11	0.002
126-O1	1	0	32	48.8	36.5	0.9	0.02	0.02	0	1.35	4.458	0.266	0.008
126-O2	1	0	32	25.4	20.1	0.9	0.02	0.02	0	1.21	2.634	0.125	0.003
126-O3	1	0	32	50	37.3	0.9	0.02	0.02	0	1.36	4.564	0.276	0.008
126-P1	1	0	32	28.1	22	0.9	0.02	0.02	0	1.22	2.817	0.137	0.003
127-A1	1	0	32	117.8	84.8	0.9	0.02	0.02	0	1.76	**12.942**	1.335	0.065
127-G1	1	0	32	63.2	46.5	0.9	0.02	0.02	0	1.44	**5.86**	0.398	0.013
127-G2	1	0	32	64.9	47.7	0.9	0.02	0.02	0	1.45	**6.038**	0.416	0.014
127-H1	1	0	32	96.8	70	0.9	0.02	0.02	0	1.64	**9.915**	0.882	0.037
127-H2	1	0	32	42.5	32	0.9	0.02	0.02	0	1.31	3.909	0.22	0.006
127-N1	1	0	32	118.3	85.1	0.9	0.02	0.02	0	1.77	**13.028**	1.349	0.066
128-G1	1	0	32	37	28.2	0.9	0.02	0.02	0	1.28	3.463	0.184	0.005

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
128-G2	1	0	32	68.6	50.3	0.9	0.02	0.02	0	1.47	**6.437**	0.458	0.016
128-G3	1	0	32	39.9	30.3	0.9	0.02	0.02	0	1.3	3.699	0.203	0.005
128-N1	1	0	32	120.3	86.5	0.9	0.02	0.02	0	1.78	**13.332**	1.399	0.069
128-O1	1	0	32	69.2	50.8	0.9	0.02	0.02	0	1.47	**6.511**	0.466	0.016
129-H1	1	0	32	297.1	210.3	0.9	0.02	0.02	0	2.81	**44.413**	**10.984**	1.296
129-H2	1	0	32	335.8	237.4	0.9	0.02	0.02	0	3.03	**50.762**	**14.282**	1.933
130-G1	1	0	32	37.3	28.4	0.9	0.02	0.02	0	1.28	3.49	0.187	0.005
130-H1	1	0	32	17.8	14.7	0.9	0.02	0.02	0	1.16	2.16	0.094	0.002
130-H2	1	0	32	53.1	39.5	0.9	0.02	0.02	0	1.38	4.854	0.302	0.009
131-H1	1	0	32	135.4	97.1	0.9	0.02	0.02	0	1.87	**15.72**	1.818	0.099
132-G1	1	0	32	18.4	15.2	0.9	0.02	0.02	0	1.16	2.199	0.096	0.002
132-G2	1	0	32	7.5	7.5	0.9	0.02	0.02	0	1.1	1.615	0.062	0.001
132-H1	1	0	32	28.6	22.3	0.9	0.02	0.02	0	1.23	2.848	0.139	0.003
132-O1	1	0	32	33.2	25.6	0.9	0.02	0.02	0	1.25	3.18	0.163	0.004
133-G1	1	0	32	156.6	111.9	0.9	0.02	0.02	0	1.99	**19.254**	2.527	0.156
133-H1	1	0	32	107.9	77.8	0.9	0.02	0.02	0	1.71	**11.48**	1.106	0.05
134-O1	1	0	32	580.4	408.6	0.9	0.02	0.02	0	4.36	**78.692**	**38.549**	**9.834**
135-G1	1	0	32	116.1	83.6	0.9	0.02	0.02	0	1.75	**12.692**	1.294	0.062
135-H1	1	0	32	169.3	120.8	0.9	0.02	0.02	0	2.07	**21.483**	3.028	0.201
135-O1	1	0	32	113.9	82.1	0.9	0.02	0.02	0	1.74	**12.366**	1.242	0.059
136-A1	1	0	32	27.3	21.4	0.9	0.02	0.02	0	1.22	2.758	0.133	0.003
136-G1	1	0	32	25	19.8	0.9	0.02	0.02	0	1.2	2.606	0.123	0.003
136-H1	1	0	32	34.3	26.4	0.9	0.02	0.02	0	1.26	3.264	0.169	0.004
136-O1	1	0	32	204.6	145.5	0.9	0.02	0.02	0	2.28	**27.837**	4.701	0.374
137-O1	1	0	32	180.6	128.7	0.9	0.02	0.02	0	2.14	**23.49**	3.517	0.248
137-O2	1	0	32	122	87.7	0.9	0.02	0.02	0	1.79	**13.586**	1.441	0.072
138-G1	1	0	32	35.5	27.1	0.9	0.02	0.02	0	1.27	3.351	0.176	0.004
138-G2	1	0	32	48.1	36	0.9	0.02	0.02	0	1.35	4.397	0.261	0.007
138-H1	1	0	32	28.5	22.3	0.9	0.02	0.02	0	1.23	2.844	0.139	0.003
138-O1	1	0	32	24.4	19.4	0.9	0.02	0.02	0	1.2	2.568	0.12	0.003
138-O2	1	0	32	45.5	34.1	0.9	0.02	0.02	0	1.33	4.165	0.241	0.007
139-G1	1	0	32	46.7	35	0.9	0.02	0.02	0	1.34	4.27	0.25	0.007
139-G2	1	0	32	39.6	30	0.9	0.02	0.02	0	1.29	3.675	0.201	0.005
139-H1	1	0	32	42.7	32.2	0.9	0.02	0.02	0	1.31	3.926	0.221	0.006
139-N1	1	0	32	45.5	34.2	0.9	0.02	0.02	0	1.33	4.167	0.241	0.007
140-G1	1	0	32	263	186.4	0.9	0.02	0.02	0	2.61	**38.468**	**8.378**	0.865
140-H1	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
140-O1	1	0	32	494.1	348.2	0.9	0.02	0.02	0	3.9	**71.159**	**29.847**	**6.316**
140-O2	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
141-A1	1	0	32	39	29.6	0.9	0.02	0.02	0	1.29	3.621	0.197	0.005
141-H1	1	0	32	68.6	50.3	0.9	0.02	0.02	0	1.47	**6.445**	0.459	0.016
141-H2	1	0	32	80.4	58.6	0.9	0.02	0.02	0	1.54	**7.813**	0.613	0.023
141-H3	1	0	32	65.1	47.9	0.9	0.02	0.02	0	1.45	**6.065**	0.419	0.014
141-N1	1	0	32	29.5	22.9	0.9	0.02	0.02	0	1.23	2.908	0.144	0.003
141-N2	1	0	32	41.7	31.5	0.9	0.02	0.02	0	1.31	3.846	0.215	0.006
141-N3	1	0	32	12.4	11	0.9	0.02	0.02	0	1.13	1.866	0.076	0.002

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141-N4	1	0	32	38.4	29.1	0.9	0.02	0.02	0	1.29	3.573	0.193	0.005
141-O1	1	0	32	43.9	33	0.9	0.02	0.02	0	1.32	4.03	0.23	0.006
142-H1	1	0	32	97.6	70.6	0.9	0.02	0.02	0	1.64	**10.029**	0.897	0.038
142-O1	1	0	32	69.2	50.7	0.9	0.02	0.02	0	1.47	**6.504**	0.465	0.016
143-A1	1	0	32	52	38.7	0.9	0.02	0.02	0	1.37	4.751	0.292	0.009
143-G1	1	0	32	65.9	48.5	0.9	0.02	0.02	0	1.45	**6.152**	0.428	0.014
143-G2	1	0	32	46.9	35.1	0.9	0.02	0.02	0	1.34	4.285	0.251	0.007
143-H1	1	0	32	70.6	51.7	0.9	0.02	0.02	0	1.48	**6.663**	0.482	0.017
144-G1	1	0	32	98.6	71.3	0.9	0.02	0.02	0	1.65	**10.163**	0.916	0.039
144-H1	1	0	32	140.5	100.7	0.9	0.02	0.02	0	1.9	**16.546**	1.974	0.111
145-A1	1	0	32	61.4	45.3	0.9	0.02	0.02	0	1.43	**5.674**	0.38	0.012
145-H1	1	0	32	159.9	114.2	0.9	0.02	0.02	0	2.01	**19.826**	2.651	0.167
146-H1	1	0	32	1802.4	1264	0.9	0.02	0.02	0	10.01	**99.481**	**93.005**	**68.301**
147-G1	1	0	32	59.7	44	0.9	0.02	0.02	0	1.42	**5.496**	0.362	0.011
147-G2	1	0	32	85	61.8	0.9	0.02	0.02	0	1.57	**8.374**	0.681	0.026
147-H1	1	0	32	83.3	60.6	0.9	0.02	0.02	0	1.56	**8.164**	0.655	0.025
148-H1	1	0	32	48.3	36.1	0.9	0.02	0.02	0	1.35	4.417	0.263	0.008
148-O1	1	0	32	61.7	45.5	0.9	0.02	0.02	0	1.43	**5.703**	0.383	0.012
148-O3	1	0	32	105.2	75.9	0.9	0.02	0.02	0	1.69	**11.086**	1.048	0.047
149-A1	1	0	32	46.5	34.8	0.9	0.02	0.02	0	1.34	4.253	0.249	0.007
149-G1	1	0	32	49	36.6	0.9	0.02	0.02	0	1.35	4.472	0.268	0.008
149-G2	1	0	32	54.4	40.4	0.9	0.02	0.02	0	1.38	4.981	0.313	0.009
149-H1	1	0	32	73.2	53.5	0.9	0.02	0.02	0	1.5	**6.959**	0.515	0.018
149-N1	1	0	32	34.4	26.4	0.9	0.02	0.02	0	1.26	3.269	0.17	0.004
150-G1	1	0	32	43.8	32.9	0.9	0.02	0.02	0	1.32	4.015	0.229	0.006
150-H1	1	0	32	37.9	28.9	0.9	0.02	0.02	0	1.28	3.54	0.19	0.005
151-H1	1	0	32	101.2	73.2	0.9	0.02	0.02	0	1.67	**10.533**	0.968	0.042
152-G1	1	0	32	114	82.1	0.9	0.02	0.02	0	1.74	**12.372**	1.243	0.059
152-H1	1	0	32	165.7	118.3	0.9	0.02	0.02	0	2.05	**20.853**	2.882	0.188
153-G1	1	0	32	105.6	76.3	0.9	0.02	0.02	0	1.69	**11.154**	1.058	0.047
153-H1	1	0	32	282.2	199.9	0.9	0.02	0.02	0	2.72	**41.848**	**9.807**	1.093
153-O1	1	0	32	222.5	158.1	0.9	0.02	0.02	0	2.38	**31.119**	**5.713**	0.495
153-O2	1	0	32	372.5	263.1	0.9	0.02	0.02	0	3.23	**56.309**	**17.669**	2.693
153-O3	1	0	32	220.4	156.6	0.9	0.02	0.02	0	2.37	**30.742**	**5.591**	0.48
153-O5	1	0	32	304.6	215.5	0.9	0.02	0.02	0	2.85	**45.673**	**11.594**	1.406
153-O6	1	0	32	101.9	73.6	0.9	0.02	0.02	0	1.67	**10.626**	0.981	0.043
153-O7	1	0	32	361	255	0.9	0.02	0.02	0	3.17	**54.624**	**16.585**	2.438
153-P1	1	0	32	280.1	198.4	0.9	0.02	0.02	0	2.71	**41.476**	**9.643**	1.066
154-G1	1	0	32	21.4	17.3	0.9	0.02	0.02	0	1.18	2.376	0.108	0.002
154-H1	1	0	32	21.8	17.5	0.9	0.02	0.02	0	1.18	2.402	0.109	0.002
155-G1	1	0	32	139.7	100.1	0.9	0.02	0.02	0	1.89	**16.407**	1.948	0.109
155-G2	1	0	32	91.7	66.5	0.9	0.02	0.02	0	1.61	**9.24**	0.791	0.032
155-H1	1	0	32	52.4	39	0.9	0.02	0.02	0	1.37	4.79	0.296	0.009
155-H2	1	0	32	168.3	120.1	0.9	0.02	0.02	0	2.06	**21.295**	2.984	0.197
155-O2	1	0	32	270.9	191.9	0.9	0.02	0.02	0	2.66	**39.864**	**8.952**	0.955
156-H1	1	0	32	81.7	59.5	0.9	0.02	0.02	0	1.55	**7.967**	0.631	0.024

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
156-O1	1	0	32	145.8	104.4	0.9	0.02	0.02	0	1.93	**17.433**	2.148	0.125
157-G1	1	0	32	41.7	31.5	0.9	0.02	0.02	0	1.31	3.839	0.214	0.006
157-H1	1	0	32	92.5	67.1	0.9	0.02	0.02	0	1.61	**9.351**	0.806	0.033
157-H2	1	0	32	63.1	46.5	0.9	0.02	0.02	0	1.44	**5.851**	0.397	0.013
157-O1	1	0	32	67.1	49.3	0.9	0.02	0.02	0	1.46	**6.28**	0.441	0.015
158-H1	1	0	32	33.8	26	0.9	0.02	0.02	0	1.26	3.224	0.166	0.004
158-O1	1	0	32	51.2	38.1	0.9	0.02	0.02	0	1.36	4.672	0.285	0.008
159-G1	1	0	32	70.3	51.5	0.9	0.02	0.02	0	1.48	**6.634**	0.479	0.017
159-H1	1	0	32	59.6	44	0.9	0.02	0.02	0	1.42	**5.493**	0.362	0.011
159-H2	1	0	32	101	73	0.9	0.02	0.02	0	1.66	**10.493**	0.962	0.042
159-O1	1	0	32	44.3	33.3	0.9	0.02	0.02	0	1.32	4.058	0.232	0.006
159-O2	1	0	32	51.2	38.2	0.9	0.02	0.02	0	1.36	4.681	0.286	0.008
160-G1	1	0	32	130.4	93.6	0.9	0.02	0.02	0	1.84	**14.906**	1.67	0.088
160-H1	1	0	32	80.3	58.5	0.9	0.02	0.02	0	1.54	**7.793**	0.611	0.023
160-H2	1	0	32	75.1	54.8	0.9	0.02	0.02	0	1.51	**7.173**	0.539	0.019
161-H1	1	0	32	129.6	93	0.9	0.02	0.02	0	1.83	**14.772**	1.646	0.086
161-N1	1	0	32	100.7	72.8	0.9	0.02	0.02	0	1.66	**10.454**	0.957	0.041
162-H1	1	0	32	80.7	58.8	0.9	0.02	0.02	0	1.54	**7.851**	0.617	0.023
163-G1	1	0	32	53	39.4	0.9	0.02	0.02	0	1.37	4.845	0.301	0.009
163-O1	1	0	32	71	52	0.9	0.02	0.02	0	1.48	**6.711**	0.488	0.017
164-H1	1	0	32	130.1	93.4	0.9	0.02	0.02	0	1.84	**14.862**	1.662	0.088
165-H1	1	0	32	13.2	11.6	0.9	0.02	0.02	0	1.13	1.908	0.079	0.002
165-O1	1	0	32	62.6	46.2	0.9	0.02	0.02	0	1.43	**5.803**	0.393	0.013
166-O1	1	0	32	254.2	180.2	0.9	0.02	0.02	0	2.56	**36.88**	**7.753**	0.772
167-O1	1	0	32	99.3	71.8	0.9	0.02	0.02	0	1.65	**10.26**	0.929	0.04
167-O2	1	0	32	154.5	110.5	0.9	0.02	0.02	0	1.98	**18.907**	2.452	0.15
167-O3	1	0	32	223.8	158.9	0.9	0.02	0.02	0	2.39	**31.355**	**5.79**	0.505
167-O4	1	0	32	175.9	125.4	0.9	0.02	0.02	0	2.11	**22.65**	3.308	0.227
167-O5	1	0	32	224.2	159.2	0.9	0.02	0.02	0	2.39	**31.43**	**5.814**	0.508
167-O6	1	0	32	246.5	174.9	0.9	0.02	0.02	0	2.52	**35.495**	**7.23**	0.697
167-O7	1	0	32	397.1	280.3	0.9	0.02	0.02	0	3.37	**59.749**	**20.045**	3.288
167-O8	1	0	32	205.3	146	0.9	0.02	0.02	0	2.28	**27.967**	4.739	0.379
167-O9	1	0	32	196.9	140.1	0.9	0.02	0.02	0	2.23	**26.433**	4.3	0.329
168-G1	1	0	32	37.5	28.6	0.9	0.02	0.02	0	1.28	3.507	0.188	0.005
168-G2	1	0	32	38	28.9	0.9	0.02	0.02	0	1.28	3.547	0.191	0.005
168-H1	1	0	32	28.8	22.4	0.9	0.02	0.02	0	1.23	2.861	0.14	0.003
168-N1	1	0	32	32.7	25.2	0.9	0.02	0.02	0	1.25	3.144	0.16	0.004
168-O1	1	0	32	48.2	36	0.9	0.02	0.02	0	1.35	4.405	0.262	0.007
169-G2	1	0	32	36.5	27.9	0.9	0.02	0.02	0	1.27	3.429	0.182	0.005
169-G3	1	0	32	54.8	40.6	0.9	0.02	0.02	0	1.39	**5.014**	0.316	0.01
169-G4	1	0	32	52.3	38.9	0.9	0.02	0.02	0	1.37	4.774	0.294	0.009
169-H1	1	0	32	41.5	31.3	0.9	0.02	0.02	0	1.3	3.825	0.213	0.006
170-G1	1	0	32	47.3	35.4	0.9	0.02	0.02	0	1.34	4.322	0.254	0.007
170-G2	1	0	32	116.9	84.2	0.9	0.02	0.02	0	1.76	**12.815**	1.314	0.064
170-H1	1	0	32	77	56.2	0.9	0.02	0.02	0	1.52	**7.407**	0.565	0.021
171-A1	1	0	32	155.6	111.3	0.9	0.02	0.02	0	1.99	**19.098**	2.493	0.153

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
171-G1	1	0	32	240.6	170.7	0.9	0.02	0.02	0	2.48	**34.427**	**6.842**	0.643
171-H1	1	0	32	233.5	165.7	0.9	0.02	0.02	0	2.44	**33.128**	**6.385**	0.581
173-G1	1	0	32	49.2	36.8	0.9	0.02	0.02	0	1.35	4.495	0.27	0.008
173-G2	1	0	32	17	14.2	0.9	0.02	0.02	0	1.16	2.116	0.091	0.002
173-G3	1	0	32	86.7	63	0.9	0.02	0.02	0	1.58	**8.588**	0.707	0.028
173-G4	1	0	32	120.3	86.5	0.9	0.02	0.02	0	1.78	**13.328**	1.398	0.069
173-G5	1	0	32	26.1	20.6	0.9	0.02	0.02	0	1.21	2.679	0.128	0.003
173-H1	1	0	32	136.6	97.9	0.9	0.02	0.02	0	1.88	**15.902**	1.852	0.102
173-P1	1	0	32	175	124.8	0.9	0.02	0.02	0	2.1	**22.488**	3.269	0.224
174-A1	1	0	32	71.9	52.7	0.9	0.02	0.02	0	1.49	**6.815**	0.499	0.017
174-G1	1	0	32	78.9	57.5	0.9	0.02	0.02	0	1.53	**7.631**	0.591	0.022
174-H1	1	0	32	179.5	127.9	0.9	0.02	0.02	0	2.13	**23.29**	3.467	0.243
175-G1	1	0	32	77.2	56.4	0.9	0.02	0.02	0	1.52	**7.429**	0.568	0.021
175-G2	1	0	32	26.8	21	0.9	0.02	0.02	0	1.22	2.725	0.131	0.003
175-H1	1	0	32	75.5	55.1	0.9	0.02	0.02	0	1.51	**7.222**	0.544	0.02
176-A1	1	0	32	39.3	29.8	0.9	0.02	0.02	0	1.29	3.647	0.199	0.005
176-H1	1	0	32	50.3	37.5	0.9	0.02	0.02	0	1.36	4.595	0.278	0.008
176-H2	1	0	32	29	22.6	0.9	0.02	0.02	0	1.23	2.879	0.141	0.003
176-P1	1	0	32	39	29.6	0.9	0.02	0.02	0	1.29	3.628	0.197	0.005
178-H1	1	0	32	29.1	22.7	0.9	0.02	0.02	0	1.23	2.885	0.142	0.003
179-H1	1	0	32	82.9	60.3	0.9	0.02	0.02	0	1.56	**8.12**	0.65	0.025
180-H1	1	0	32	421.7	297.5	0.9	0.02	0.02	0	3.5	**62.966**	**22.485**	3.955
180-H2	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
180-O1	1	0	32	479.9	338.2	0.9	0.02	0.02	0	3.82	**69.696**	**28.394**	**5.807**
181-A1	1	0	32	106.1	76.6	0.9	0.02	0.02	0	1.69	**11.215**	1.067	0.048
181-G1	1	0	32	48.7	36.4	0.9	0.02	0.02	0	1.35	4.446	0.265	0.008
181-G2	1	0	32	112.3	80.9	0.9	0.02	0.02	0	1.73	**12.119**	1.204	0.057
181-H1	1	0	32	121.4	87.3	0.9	0.02	0.02	0	1.79	**13.495**	1.426	0.071
181-H2	1	0	32	115	82.8	0.9	0.02	0.02	0	1.75	**12.525**	1.268	0.061
181-N1	1	0	32	126.7	91	0.9	0.02	0.02	0	1.82	**14.325**	1.567	0.081
181-N2	1	0	32	138.4	99.2	0.9	0.02	0.02	0	1.89	**16.208**	1.909	0.106
181-O1	1	0	32	57.3	42.4	0.9	0.02	0.02	0	1.4	**5.26**	0.34	0.01
182-G1	1	0	32	199.4	141.9	0.9	0.02	0.02	0	2.25	**26.891**	4.429	0.344
182-G2	1	0	32	179.8	128.2	0.9	0.02	0.02	0	2.13	**23.347**	3.481	0.244
182-H1	1	0	32	138.6	99.3	0.9	0.02	0.02	0	1.89	**16.227**	1.913	0.106
182-H2	1	0	32	133.8	95.9	0.9	0.02	0.02	0	1.86	**15.447**	1.768	0.095
182-O1	1	0	32	110.2	79.4	0.9	0.02	0.02	0	1.72	**11.814**	1.157	0.054
182-O2	1	0	32	186	132.5	0.9	0.02	0.02	0	2.17	**24.456**	3.766	0.273
182-O3	1	0	32	178.6	127.3	0.9	0.02	0.02	0	2.12	**23.139**	3.429	0.239
184-H1	1	0	32	188.9	134.5	0.9	0.02	0.02	0	2.18	**24.976**	3.903	0.287
185-A1	1	0	32	33.8	26	0.9	0.02	0.02	0	1.26	3.226	0.167	0.004
185-H1	1	0	32	32.6	25.1	0.9	0.02	0.02	0	1.25	3.131	0.16	0.004
186-O1	1	0	32	350	247.3	0.9	0.02	0.02	0	3.11	**52.962**	**15.564**	2.208
187-H1	1	0	32	107.5	77.6	0.9	0.02	0.02	0	1.7	**11.421**	1.097	0.05
188-A1	1	0	32	78.2	57.1	0.9	0.02	0.02	0	1.53	**7.55**	0.582	0.021
188-G1	1	0	32	116.9	84.2	0.9	0.02	0.02	0	1.76	**12.815**	1.314	0.064

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188-G2	1	0	32	122	87.7	0.9	0.02	0.02	0	1.79	**13.586**	1.441	0.072
188-G3	1	0	32	61.7	45.5	0.9	0.02	0.02	0	1.43	**5.703**	0.383	0.012
188-H1	1	0	32	39	29.6	0.9	0.02	0.02	0	1.29	3.628	0.197	0.005
188-P1	1	0	32	56.6	41.9	0.9	0.02	0.02	0	1.4	**5.194**	0.333	0.01
189-G1	1	0	32	44	33.1	0.9	0.02	0.02	0	1.32	4.037	0.23	0.006
189-H1	1	0	32	76.3	55.7	0.9	0.02	0.02	0	1.52	**7.321**	0.556	0.02
189-H2	1	0	32	103.5	74.7	0.9	0.02	0.02	0	1.68	**10.847**	1.013	0.045
189-O1	1	0	32	119.8	86.2	0.9	0.02	0.02	0	1.78	**13.251**	1.385	0.068
190-G1	1	0	32	18.3	15.1	0.9	0.02	0.02	0	1.16	2.189	0.096	0.002
190-H1	1	0	32	41.5	31.3	0.9	0.02	0.02	0	1.3	3.823	0.213	0.006
190-N1	1	0	32	26.9	21.1	0.9	0.02	0.02	0	1.22	2.735	0.131	0.003
190-N2	1	0	32	24.4	19.4	0.9	0.02	0.02	0	1.2	2.568	0.12	0.003
190-N3	1	0	32	21	17	0.9	0.02	0.02	0	1.18	2.35	0.106	0.002
190-O1	1	0	32	62.8	46.2	0.9	0.02	0.02	0	1.43	**5.816**	0.394	0.013
191-H1	1	0	32	211.2	150.1	0.9	0.02	0.02	0	2.31	**29.044**	**5.061**	0.416
192-A1	1	0	32	37.4	28.5	0.9	0.02	0.02	0	1.28	3.501	0.187	0.005
192-G1	1	0	32	28.4	22.2	0.9	0.02	0.02	0	1.23	2.838	0.139	0.003
192-H1	1	0	32	34	26.1	0.9	0.02	0.02	0	1.26	3.235	0.167	0.004
193-G1	1	0	32	18.6	15.3	0.9	0.02	0.02	0	1.17	2.209	0.097	0.002
193-H1	1	0	32	21.4	17.3	0.9	0.02	0.02	0	1.18	2.378	0.108	0.002
194-H1	1	0	32	27.5	21.5	0.9	0.02	0.02	0	1.22	2.771	0.134	0.003
194-N1	1	0	32	34.2	26.2	0.9	0.02	0.02	0	1.26	3.25	0.168	0.004
195-G1	1	0	32	77.8	56.8	0.9	0.02	0.02	0	1.53	**7.5**	0.576	0.021
195-G2	1	0	32	154.8	110.7	0.9	0.02	0.02	0	1.98	**18.954**	2.462	0.151
195-O1	1	0	32	195.5	139.1	0.9	0.02	0.02	0	2.22	**26.178**	4.229	0.322
196-A1	1	0	32	57.5	42.5	0.9	0.02	0.02	0	1.4	**5.277**	0.341	0.011
196-A2	1	0	32	68.7	50.4	0.9	0.02	0.02	0	1.47	**6.448**	0.459	0.016
196-G1	1	0	32	47.7	35.7	0.9	0.02	0.02	0	1.34	4.359	0.258	0.007
196-O1	1	0	32	69	50.6	0.9	0.02	0.02	0	1.47	**6.482**	0.463	0.016
197-H1	1	0	32	140.9	100.9	0.9	0.02	0.02	0	1.9	**16.615**	1.987	0.112
198-G1	1	0	32	78.3	57.1	0.9	0.02	0.02	0	1.53	**7.562**	0.583	0.021
198-H1	1	0	32	168.3	120.1	0.9	0.02	0.02	0	2.06	**21.295**	2.984	0.197
199-G1	1	0	32	14.7	12.6	0.9	0.02	0.02	0	1.14	1.988	0.084	0.002
199-O1	1	0	32	26.5	20.8	0.9	0.02	0.02	0	1.21	2.705	0.129	0.003
200-G1	1	0	32	29.9	23.2	0.9	0.02	0.02	0	1.23	2.938	0.146	0.003
200-H1	1	0	32	29.1	22.7	0.9	0.02	0.02	0	1.23	2.885	0.142	0.003
200-O1	1	0	32	27.7	21.7	0.9	0.02	0.02	0	1.22	2.786	0.135	0.003
201-O1	1	0	32	324.8	229.7	0.9	0.02	0.02	0	2.97	**49.005**	**13.311**	1.735
202-H1	1	0	32	173.3	123.6	0.9	0.02	0.02	0	2.09	**22.189**	3.196	0.217
202-N1	1	0	32	57.9	42.8	0.9	0.02	0.02	0	1.4	**5.319**	0.345	0.011
202-O1	1	0	32	137	98.2	0.9	0.02	0.02	0	1.88	**15.97**	1.865	0.103
203-H1	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
203-O1	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
203-O2	1	0	32	479.2	337.8	0.9	0.02	0.02	0	3.82	**69.622**	**28.322**	**5.782**
205-O1	1	0	32	507.3	357.4	0.9	0.02	0.02	0	3.97	**72.452**	**31.188**	**6.804**
206-A1	1	0	32	116.1	83.6	0.9	0.02	0.02	0	1.75	**12.688**	1.294	0.062

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
206-G1	1	0	32	50.4	37.6	0.9	0.02	0.02	0	1.36	4.603	0.279	0.008
206-H1	1	0	32	18	14.9	0.9	0.02	0.02	0	1.16	2.173	0.095	0.002
206-H2	1	0	32	285	201.8	0.9	0.02	0.02	0	2.74	**42.325**	**10.02**	1.129
206-O1	1	0	32	252.4	179	0.9	0.02	0.02	0	2.55	**36.56**	**7.63**	0.754
207-O1	1	0	32	110.8	79.9	0.9	0.02	0.02	0	1.72	**11.904**	1.171	0.054
208-H1	1	0	32	264.1	187.2	0.9	0.02	0.02	0	2.62	**38.657**	**8.455**	0.877
209-G1	1	0	32	238.7	169.4	0.9	0.02	0.02	0	2.47	**34.073**	**6.715**	0.626
209-H1	1	0	32	391.9	276.6	0.9	0.02	0.02	0	3.34	**59.04**	**19.537**	3.157
209-P1	1	0	32	517.6	364.6	0.9	0.02	0.02	0	4.03	**73.428**	**32.238**	**7.2**
210-H1	1	0	32	113.6	81.8	0.9	0.02	0.02	0	1.74	**12.308**	1.233	0.058
210-O1	1	0	32	127.9	91.8	0.9	0.02	0.02	0	1.82	**14.507**	1.599	0.083
211-A1	1	0	32	71.8	52.6	0.9	0.02	0.02	0	1.49	**6.805**	0.498	0.017
211-G1	1	0	32	38.6	29.3	0.9	0.02	0.02	0	1.29	3.594	0.195	0.005
211-G2	1	0	32	44.7	33.6	0.9	0.02	0.02	0	1.32	4.094	0.235	0.006
211-H1	1	0	32	70.7	51.8	0.9	0.02	0.02	0	1.48	**6.673**	0.483	0.017
211-O1	1	0	32	127.3	91.4	0.9	0.02	0.02	0	1.82	**14.417**	1.583	0.082
212-H1	1	0	32	188.5	134.2	0.9	0.02	0.02	0	2.18	**24.908**	3.885	0.285
212-H2	1	0	32	149.1	106.7	0.9	0.02	0.02	0	1.95	**17.991**	2.261	0.134
213-O1	1	0	32	35.5	27.1	0.9	0.02	0.02	0	1.27	3.348	0.176	0.004
213-O2	1	0	32	84.3	61.3	0.9	0.02	0.02	0	1.56	**8.296**	0.671	0.026
213-O3	1	0	32	57.5	42.5	0.9	0.02	0.02	0	1.4	**5.281**	0.341	0.011
801-O1	1	0	32	28.9	22.5	0.9	0.02	0.02	0	1.23	2.871	0.141	0.003
801-O2	1	0	32	14.9	12.8	0.9	0.02	0.02	0	1.14	2.001	0.084	0.002
801-O3	1	0	32	31.1	24.1	0.9	0.02	0.02	0	1.24	3.027	0.152	0.004
802-O1	1	0	32	150.3	107.5	0.9	0.02	0.02	0	1.96	**18.189**	2.302	0.137
803-O1	1	0	32	446.5	314.8	0.9	0.02	0.02	0	3.64	**65.975**	**24.982**	4.696
803-O2	1	0	32	314.6	222.6	0.9	0.02	0.02	0	2.91	**47.35**	**12.439**	1.565
803-O3	1	0	32	234.7	166.6	0.9	0.02	0.02	0	2.45	**33.355**	**6.463**	0.592
804-O1	1	0	32	102.1	73.8	0.9	0.02	0.02	0	1.67	**10.65**	0.985	0.043
804-O2	1	0	32	254.1	180.1	0.9	0.02	0.02	0	2.56	**36.862**	**7.746**	0.771
805-O1	1	0	32	38.2	29	0.9	0.02	0.02	0	1.28	3.561	0.192	0.005
805-O2	1	0	32	45.5	34.1	0.9	0.02	0.02	0	1.33	4.165	0.241	0.007
806-O1	1	0	32	28.4	22.1	0.9	0.02	0.02	0	1.22	2.832	0.138	0.003
806-O2	1	0	32	29.6	23	0.9	0.02	0.02	0	1.23	2.92	0.144	0.003
806-O3	1	0	32	50.7	37.8	0.9	0.02	0.02	0	1.36	4.626	0.281	0.008
806-O4	1	0	32	36.9	28.1	0.9	0.02	0.02	0	1.28	3.461	0.184	0.005
806-O5	1	0	32	37.3	28.5	0.9	0.02	0.02	0	1.28	3.494	0.187	0.005
807-O1	1	0	32	29	22.6	0.9	0.02	0.02	0	1.23	2.881	0.142	0.003
808-O1	1	0	32	33.7	25.9	0.9	0.02	0.02	0	1.26	3.218	0.166	0.004
808-O2	1	0	32	35.8	27.4	0.9	0.02	0.02	0	1.27	3.377	0.178	0.005
203-O3	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
203-O4	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 2/20/2020
Site Name: UCR
Operable Unit: Current Resident, Northern Pike
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: newNOr.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
13	1	0	32	92.4	67	0.9	0.02	0.01	0	1.61	**9.299**	0.799	0.033
14	1	0	32	77.1	56.3	0.9	0.02	0.01	0	1.52	**7.38**	0.562	0.02
15	1	0	32	93.6	67.8	0.9	0.02	0.01	0	1.62	**9.449**	0.819	0.034
16	1	0	32	356	251.5	0.9	0.02	0.01	0	3.14	**53.823**	**16.087**	2.325
17	1	0	32	150.5	107.7	0.9	0.02	0.01	0	1.96	**18.173**	2.299	0.137
9	1	0	32	91.8	66.5	0.9	0.02	0.01	0	1.61	**9.209**	0.787	0.032
40	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
1015	1	0	32	47.6	35.6	0.9	0.02	0.01	0	1.34	4.324	0.255	0.007
1017	1	0	32	139.2	99.8	0.9	0.02	0.01	0	1.89	**16.291**	1.925	0.107
1018	1	0	32	51.9	38.6	0.9	0.02	0.01	0	1.37	4.711	0.289	0.008
42	1	0	32	229.6	163.1	0.9	0.02	0.01	0	2.42	**32.375**	**6.128**	0.548
44	1	0	32	99.7	72.1	0.9	0.02	0.01	0	1.65	**10.28**	0.932	0.04
46	1	0	32	188.7	134.4	0.9	0.02	0.01	0	2.18	**24.894**	3.881	0.285
47	1	0	32	222.3	157.9	0.9	0.02	0.01	0	2.38	**31.03**	**5.684**	0.491
49	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
60	1	0	32	59.3	43.8	0.9	0.02	0.01	0	1.41	**5.426**	0.355	0.011
61	1	0	32	137.2	98.3	0.9	0.02	0.01	0	1.88	**15.954**	1.862	0.102
22	1	0	32	118.9	85.5	0.9	0.02	0.01	0	1.77	**13.063**	1.354	0.066
25	1	0	32	54.5	40.4	0.9	0.02	0.01	0	1.38	4.956	0.311	0.009
27	1	0	32	135.3	97	0.9	0.02	0.01	0	1.87	**15.639**	1.803	0.098
28	1	0	32	49.2	36.8	0.9	0.02	0.01	0	1.35	4.471	0.267	0.008
29	1	0	32	42.7	32.2	0.9	0.02	0.01	0	1.31	3.903	0.219	0.006
30	1	0	32	51.6	38.4	0.9	0.02	0.01	0	1.36	4.685	0.286	0.008
31	1	0	32	255.8	181.3	0.9	0.02	0.01	0	2.57	**37.115**	**7.844**	0.785
33	1	0	32	206.4	146.8	0.9	0.02	0.01	0	2.29	**28.122**	4.785	0.384
35	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
35PA	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
39	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
226C	1	0	32	395.3	279	0.9	0.02	0.01	0	3.36	**59.461**	**19.838**	3.234

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
55	1	0	32	67.1	49.2	0.9	0.02	0.01	0	1.46	**6.242**	0.438	0.015
56	1	0	32	185.9	132.4	0.9	0.02	0.01	0	2.17	**24.394**	3.749	0.271
58	1	0	32	73.3	53.6	0.9	0.02	0.01	0	1.5	**6.938**	0.512	0.018
59	1	0	32	206.6	146.9	0.9	0.02	0.01	0	2.29	**28.155**	4.795	0.385
59A	1	0	32	335.3	237	0.9	0.02	0.01	0	3.02	**50.628**	**14.206**	1.917
62	1	0	32	118.1	85	0.9	0.02	0.01	0	1.76	**12.944**	1.335	0.065
62G	1	0	32	70.6	51.7	0.9	0.02	0.01	0	1.48	**6.629**	0.479	0.016
66	1	0	32	141.1	101	0.9	0.02	0.01	0	1.9	**16.591**	1.983	0.112
67	1	0	32	174.5	124.4	0.9	0.02	0.01	0	2.1	**22.341**	3.233	0.22
70	1	0	32	202.6	144.1	0.9	0.02	0.01	0	2.26	**27.428**	4.582	0.361
71	1	0	32	127	91.2	0.9	0.02	0.01	0	1.82	**14.319**	1.566	0.081
72M	1	0	32	253.9	180.1	0.9	0.02	0.01	0	2.56	**36.787**	**7.717**	0.767
72U	1	0	32	109.7	79.1	0.9	0.02	0.01	0	1.71	**11.696**	1.139	0.052
75	1	0	32	381.8	269.6	0.9	0.02	0.01	0	3.28	**57.596**	**18.532**	2.903
82	1	0	32	54.8	40.6	0.9	0.02	0.01	0	1.38	4.986	0.314	0.009
85	1	0	32	57.4	42.5	0.9	0.02	0.01	0	1.4	**5.239**	0.337	0.01
86	1	0	32	115.3	83	0.9	0.02	0.01	0	1.75	**12.531**	1.269	0.061
87	1	0	32	99.5	72	0.9	0.02	0.01	0	1.65	**10.257**	0.929	0.04
94M	1	0	32	73.9	54	0.9	0.02	0.01	0	1.5	**7.007**	0.52	0.018
106	1	0	32	387.2	273.4	0.9	0.02	0.01	0	3.31	**58.357**	**19.056**	3.034
107	1	0	32	169.3	120.8	0.9	0.02	0.01	0	2.07	**21.432**	3.016	0.2
108	1	0	32	185.4	132.1	0.9	0.02	0.01	0	2.16	**24.303**	3.726	0.269
109	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
110	1	0	32	88.5	64.3	0.9	0.02	0.01	0	1.59	**8.79**	0.733	0.029
110G	1	0	32	41.5	31.4	0.9	0.02	0.01	0	1.3	3.806	0.211	0.006
111	1	0	32	70.4	51.5	0.9	0.02	0.01	0	1.48	**6.605**	0.476	0.016
112	1	0	32	471.3	332.2	0.9	0.02	0.01	0	3.77	**68.747**	**27.486**	**5.5**
112G	1	0	32	181.5	129.4	0.9	0.02	0.01	0	2.14	**23.607**	3.547	0.251
113low	1	0	32	263	186.4	0.9	0.02	0.01	0	2.61	**38.417**	**8.358**	0.862
113up	1	0	32	398.8	281.5	0.9	0.02	0.01	0	3.38	**59.944**	**20.187**	3.326
115SP	1	0	32	493.1	347.5	0.9	0.02	0.01	0	3.89	**71.027**	**29.713**	**6.268**
21	1	0	32	104.1	75.2	0.9	0.02	0.01	0	1.68	**10.889**	1.019	0.045
21G	1	0	32	337.4	238.5	0.9	0.02	0.01	0	3.03	**50.968**	**14.399**	1.958
116M	1	0	32	347.4	245.4	0.9	0.02	0.01	0	3.09	**52.513**	**15.296**	2.149
122	1	0	32	69	50.6	0.9	0.02	0.01	0	1.47	**6.459**	0.46	0.016
121	1	0	32	148.3	106.1	0.9	0.02	0.01	0	1.94	**17.797**	2.222	0.131
123	1	0	32	336.5	237.9	0.9	0.02	0.01	0	3.03	**50.833**	**14.322**	1.942
135	1	0	32	130.2	93.5	0.9	0.02	0.01	0	1.84	**14.833**	1.657	0.087
146	1	0	32	81.4	59.3	0.9	0.02	0.01	0	1.55	**7.9**	0.623	0.023
146G	1	0	32	43.2	32.6	0.9	0.02	0.01	0	1.31	3.948	0.223	0.006
147	1	0	32	50.9	37.9	0.9	0.02	0.01	0	1.36	4.622	0.281	0.008
151	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
152	1	0	32	183.4	130.7	0.9	0.02	0.01	0	2.15	**23.946**	3.634	0.26
160	1	0	32	153.4	109.7	0.9	0.02	0.01	0	1.97	**18.657**	2.399	0.145
163	1	0	32	158.1	113	0.9	0.02	0.01	0	2	**19.472**	2.574	0.16
163G	1	0	32	222.8	158.3	0.9	0.02	0.01	0	2.38	**31.126**	**5.715**	0.495

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
164	1	0	32	118	84.9	0.9	0.02	0.01	0	1.76	**12.926**	1.332	0.065
167	1	0	32	71.4	52.3	0.9	0.02	0.01	0	1.48	**6.725**	0.489	0.017
168	1	0	32	365.9	258.4	0.9	0.02	0.01	0	3.19	**55.302**	**17.015**	2.538
169	1	0	32	262	185.7	0.9	0.02	0.01	0	2.61	**38.225**	**8.281**	0.851
169A	1	0	32	238.9	169.5	0.9	0.02	0.01	0	2.47	**34.06**	**6.711**	0.625
320new	1	0	32	555.7	391.3	0.9	0.02	0.01	0	4.23	**76.731**	**36.061**	**8.742**
216	1	0	32	310.2	219.4	0.9	0.02	0.01	0	2.88	**46.567**	**12.039**	1.489
1030	1	0	32	20.2	16.5	0.9	0.02	0.01	0	1.17	2.289	0.102	0.002
170	1	0	32	20.2	16.5	0.9	0.02	0.01	0	1.17	2.289	0.102	0.002
172U	1	0	32	294	208.1	0.9	0.02	0.01	0	2.79	**43.839**	**10.714**	1.248
174M	1	0	32	23.7	18.9	0.9	0.02	0.01	0	1.19	2.505	0.116	0.003
175	1	0	32	171.3	122.2	0.9	0.02	0.01	0	2.08	**21.778**	3.098	0.207
238G	1	0	32	47.1	35.3	0.9	0.02	0.01	0	1.34	4.284	0.251	0.007
238M	1	0	32	34.9	26.8	0.9	0.02	0.01	0	1.26	3.286	0.171	0.004
176G	1	0	32	140.1	100.4	0.9	0.02	0.01	0	1.9	**16.441**	1.954	0.109
176M	1	0	32	215.9	153.4	0.9	0.02	0.01	0	2.34	**29.855**	**5.311**	0.446
177	1	0	32	172.8	123.2	0.9	0.02	0.01	0	2.09	**22.042**	3.161	0.213
206	1	0	32	142.4	101.9	0.9	0.02	0.01	0	1.91	**16.805**	2.024	0.115
208	1	0	32	161.9	115.6	0.9	0.02	0.01	0	2.02	**20.126**	2.718	0.173
208AA	1	0	32	173.4	123.6	0.9	0.02	0.01	0	2.09	**22.144**	3.186	0.216
208BM	1	0	32	112.5	81.1	0.9	0.02	0.01	0	1.73	**12.113**	1.203	0.056
208G	1	0	32	92.1	66.7	0.9	0.02	0.01	0	1.61	**9.247**	0.792	0.032
209A	1	0	32	115.7	83.3	0.9	0.02	0.01	0	1.75	**12.585**	1.277	0.061
213	1	0	32	440.1	310.4	0.9	0.02	0.01	0	3.6	**65.19**	**24.309**	4.491
185	1	0	32	196.7	140	0.9	0.02	0.01	0	2.23	**26.341**	4.274	0.327
185G	1	0	32	71	52	0.9	0.02	0.01	0	1.48	**6.68**	0.484	0.017
186	1	0	32	242.3	171.9	0.9	0.02	0.01	0	2.49	**34.682**	**6.933**	0.655
1035	1	0	32	114.9	82.8	0.9	0.02	0.01	0	1.75	**12.472**	1.259	0.06
1036	1	0	32	76.8	56	0.9	0.02	0.01	0	1.52	**7.342**	0.558	0.02
1037	1	0	32	98.4	71.2	0.9	0.02	0.01	0	1.65	**10.105**	0.908	0.039
189	1	0	32	154.4	110.4	0.9	0.02	0.01	0	1.98	**18.842**	2.439	0.149
1060	1	0	32	127.8	91.8	0.9	0.02	0.01	0	1.82	**14.446**	1.588	0.082
192	1	0	32	262.5	186	0.9	0.02	0.01	0	2.61	**38.311**	**8.315**	0.856
1020	1	0	32	96.5	69.9	0.9	0.02	0.01	0	1.64	**9.844**	0.872	0.037
1021	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
193	1	0	32	140.2	100.4	0.9	0.02	0.01	0	1.9	**16.452**	1.956	0.11
194	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
218	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
201	1	0	32	447.1	315.3	0.9	0.02	0.01	0	3.64	**66.018**	**25.019**	4.707
201G	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
203	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
229	1	0	32	48.6	36.3	0.9	0.02	0.01	0	1.35	4.414	0.262	0.007
230G	1	0	32	80.1	58.4	0.9	0.02	0.01	0	1.54	**7.736**	0.604	0.022
196	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
231	1	0	32	125.5	90.1	0.9	0.02	0.01	0	1.81	**14.082**	1.525	0.078
231Lower	1	0	32	138	98.9	0.9	0.02	0.01	0	1.88	**16.083**	1.886	0.104

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
7	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
154	1	0	32	66.3	48.7	0.9	0.02	0.01	0	1.45	**6.165**	0.43	0.014
246	1	0	32	29.2	22.8	0.9	0.02	0.01	0	1.23	2.872	0.141	0.003
18	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
20	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
249	1	0	32	85.9	62.5	0.9	0.02	0.01	0	1.57	**8.46**	0.692	0.027
250	1	0	32	92.2	66.8	0.9	0.02	0.01	0	1.61	**9.262**	0.794	0.032
253	1	0	32	110	79.3	0.9	0.02	0.01	0	1.72	**11.737**	1.145	0.053
258	1	0	32	767.7	539.7	0.9	0.02	0.01	0	5.33	**88.909**	**55.364**	**19.348**
259	1	0	32	240.7	170.8	0.9	0.02	0.01	0	2.48	**34.384**	**6.826**	0.641
284M	1	0	32	152.7	109.2	0.9	0.02	0.01	0	1.97	**18.545**	2.376	0.143
285M	1	0	32	157.6	112.7	0.9	0.02	0.01	0	2	**19.393**	2.557	0.159
287	1	0	32	150.2	107.4	0.9	0.02	0.01	0	1.96	**18.12**	2.288	0.136
288	1	0	32	68.2	50	0.9	0.02	0.01	0	1.46	**6.362**	0.45	0.015
288G1	1	0	32	79.7	58.1	0.9	0.02	0.01	0	1.53	**7.685**	0.598	0.022
288G2	1	0	32	59.8	44.2	0.9	0.02	0.01	0	1.41	**5.487**	0.361	0.011
289G3	1	0	32	76.3	55.7	0.9	0.02	0.01	0	1.51	**7.284**	0.551	0.02
291	1	0	32	77.6	56.6	0.9	0.02	0.01	0	1.52	**7.434**	0.569	0.021
306	1	0	32	86.1	62.6	0.9	0.02	0.01	0	1.57	**8.482**	0.694	0.027
315	1	0	32	37.7	28.7	0.9	0.02	0.01	0	1.28	3.499	0.187	0.005
316	1	0	32	105.2	75.9	0.9	0.02	0.01	0	1.69	**11.043**	1.041	0.046
317	1	0	32	227.9	161.8	0.9	0.02	0.01	0	2.41	**32.054**	**6.021**	0.534
317M	1	0	32	494.8	348.7	0.9	0.02	0.01	0	3.9	**71.202**	**29.89**	**6.331**
318	1	0	32	452.2	318.9	0.9	0.02	0.01	0	3.67	**66.613**	**25.54**	4.87
319	1	0	32	505.5	356.2	0.9	0.02	0.01	0	3.96	**72.26**	**30.985**	**6.729**
319M	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
420	1	0	32	517.5	364.6	0.9	0.02	0.01	0	4.02	**73.401**	**32.208**	**7.189**
421	1	0	32	318.8	225.4	0.9	0.02	0.01	0	2.93	**47.978**	**12.765**	1.628
410	1	0	32	394	278.1	0.9	0.02	0.01	0	3.35	**59.292**	**19.717**	3.203
412	1	0	32	12.8	11.3	0.9	0.02	0.01	0	1.13	1.868	0.077	0.002
413	1	0	32	543.1	382.5	0.9	0.02	0.01	0	4.16	**75.683**	**34.8**	**8.215**
325	1	0	32	37.8	28.8	0.9	0.02	0.01	0	1.28	3.51	0.188	0.005
326	1	0	32	71.5	52.3	0.9	0.02	0.01	0	1.48	**6.729**	0.49	0.017
327	1	0	32	50	37.3	0.9	0.02	0.01	0	1.36	4.545	0.274	0.008
999G1	1	0	32	85.9	62.4	0.9	0.02	0.01	0	1.57	**8.455**	0.691	0.027
999M1	1	0	32	79.9	58.2	0.9	0.02	0.01	0	1.54	**7.711**	0.601	0.022
999M2	1	0	32	56.1	41.6	0.9	0.02	0.01	0	1.39	**5.117**	0.326	0.01
999M3	1	0	32	83.8	61	0.9	0.02	0.01	0	1.56	**8.192**	0.659	0.025
72	1	0	32	230.4	163.6	0.9	0.02	0.01	0	2.42	**32.511**	**6.174**	0.554
1001	1	0	32	408.4	288.1	0.9	0.02	0.01	0	3.43	**61.211**	**21.126**	3.577
401	1	0	32	1101.5	773.4	0.9	0.02	0.01	0	6.95	**96.311**	**75.839**	**38.252**
402	1	0	32	577.5	406.6	0.9	0.02	0.01	0	4.34	**78.456**	**38.24**	**9.694**
403	1	0	32	419.6	296	0.9	0.02	0.01	0	3.49	**62.66**	**22.243**	3.887
440	1	0	32	145.2	103.9	0.9	0.02	0.01	0	1.93	**17.277**	2.117	0.122
441	1	0	32	737.9	518.8	0.9	0.02	0.01	0	5.18	**87.709**	**52.938**	**17.715**
442	1	0	32	258.8	183.4	0.9	0.02	0.01	0	2.59	**37.655**	**8.055**	0.817

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
1005	1	0	32	112.1	80.8	0.9	0.02	0.01	0	1.73	**12.052**	1.193	0.056
1006	1	0	32	91.7	66.5	0.9	0.02	0.01	0	1.61	**9.196**	0.785	0.032
1007	1	0	32	51.9	38.6	0.9	0.02	0.01	0	1.37	4.715	0.289	0.008
1008	1	0	32	91.5	66.3	0.9	0.02	0.01	0	1.61	**9.172**	0.782	0.032
1010	1	0	32	110.8	79.8	0.9	0.02	0.01	0	1.72	**11.851**	1.162	0.054
1011	1	0	32	146.2	104.7	0.9	0.02	0.01	0	1.93	**17.451**	2.152	0.125
345	1	0	32	103.9	75	0.9	0.02	0.01	0	1.68	**10.867**	1.016	0.045
346	1	0	32	130.4	93.6	0.9	0.02	0.01	0	1.84	**14.863**	1.662	0.088
347	1	0	32	312.7	221.2	0.9	0.02	0.01	0	2.9	**46.979**	**12.249**	1.528
430	1	0	32	262	185.7	0.9	0.02	0.01	0	2.61	**38.225**	**8.281**	0.851
431	1	0	32	110.3	79.5	0.9	0.02	0.01	0	1.72	**11.779**	1.151	0.053
432	1	0	32	307.5	217.5	0.9	0.02	0.01	0	2.87	**46.11**	**11.81**	1.446
801	1	0	32	239.9	170.3	0.9	0.02	0.01	0	2.48	**34.251**	**6.779**	0.634
3000	1	0	32	26.6	20.9	0.9	0.02	0.01	0	1.21	2.695	0.129	0.003
3001	1	0	32	371	262	0.9	0.02	0.01	0	3.22	**56.048**	**17.498**	2.652
3003	1	0	32	294.5	208.5	0.9	0.02	0.01	0	2.79	**43.921**	**10.752**	1.255
3004	1	0	32	81.9	59.6	0.9	0.02	0.01	0	1.55	**7.957**	0.63	0.024
280	1	0	32	367.4	259.5	0.9	0.02	0.01	0	3.2	**55.52**	**17.155**	2.57
280yard	1	0	32	302.9	214.3	0.9	0.02	0.01	0	2.84	**45.34**	**11.431**	1.376
075-A1	1	0	32	70.1	51.4	0.9	0.02	0.01	0	1.48	**6.575**	0.473	0.016
075-H1	1	0	32	81.8	59.5	0.9	0.02	0.01	0	1.55	**7.939**	0.628	0.024
075-O1	1	0	32	265	187.8	0.9	0.02	0.01	0	2.62	**38.769**	**8.5**	0.884
076-G1	1	0	32	85	61.8	0.9	0.02	0.01	0	1.57	**8.338**	0.676	0.026
076-G2	1	0	32	95.1	68.8	0.9	0.02	0.01	0	1.63	**9.649**	0.845	0.035
076-H1	1	0	32	93.4	67.7	0.9	0.02	0.01	0	1.62	**9.424**	0.815	0.033
076-H2	1	0	32	91.4	66.3	0.9	0.02	0.01	0	1.61	**9.165**	0.781	0.032
076-N1	1	0	32	157.3	112.4	0.9	0.02	0.01	0	2	**19.339**	2.545	0.158
077-A1	1	0	32	32.2	24.9	0.9	0.02	0.01	0	1.25	3.086	0.156	0.004
077-A2	1	0	32	31.3	24.2	0.9	0.02	0.01	0	1.24	3.019	0.151	0.004
077-G1	1	0	32	28.4	22.2	0.9	0.02	0.01	0	1.22	2.818	0.137	0.003
077-H1	1	0	32	36.3	27.7	0.9	0.02	0.01	0	1.27	3.393	0.179	0.005
077-H2	1	0	32	37.2	28.3	0.9	0.02	0.01	0	1.28	3.459	0.184	0.005
077-N1	1	0	32	34.8	26.6	0.9	0.02	0.01	0	1.26	3.272	0.17	0.004
078-G1	1	0	32	37.9	28.9	0.9	0.02	0.01	0	1.28	3.517	0.189	0.005
078-H1	1	0	32	24.6	19.5	0.9	0.02	0.01	0	1.2	2.562	0.12	0.003
078-N1	1	0	32	26.8	21.1	0.9	0.02	0.01	0	1.21	2.71	0.13	0.003
078-O1	1	0	32	32	24.7	0.9	0.02	0.01	0	1.25	3.073	0.155	0.004
079-H1	1	0	32	69.8	51.2	0.9	0.02	0.01	0	1.48	**6.546**	0.47	0.016
079-H2	1	0	32	121.7	87.5	0.9	0.02	0.01	0	1.79	**13.498**	1.426	0.071
080-H1	1	0	32	23.7	18.9	0.9	0.02	0.01	0	1.19	2.503	0.116	0.003
081-A1	1	0	32	36.3	27.7	0.9	0.02	0.01	0	1.27	3.387	0.179	0.005
081-H1	1	0	32	45.5	34.1	0.9	0.02	0.01	0	1.33	4.14	0.239	0.007
081-O1	1	0	32	126.2	90.6	0.9	0.02	0.01	0	1.81	**14.196**	1.545	0.079
082-G1	1	0	32	22.8	18.3	0.9	0.02	0.01	0	1.19	2.447	0.112	0.002
082-G2	1	0	32	41.1	31	0.9	0.02	0.01	0	1.3	3.767	0.208	0.006
082-H1	1	0	32	41.8	31.5	0.9	0.02	0.01	0	1.3	3.825	0.213	0.006

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
082-N1	1	0	32	35.4	27.1	0.9	0.02	0.01	0	1.27	3.323	0.174	0.004
082-N2	1	0	32	42.9	32.3	0.9	0.02	0.01	0	1.31	3.921	0.221	0.006
083-G1	1	0	32	35.4	27.1	0.9	0.02	0.01	0	1.27	3.323	0.174	0.004
083-G2	1	0	32	30.6	23.7	0.9	0.02	0.01	0	1.24	2.971	0.148	0.004
083-H1	1	0	32	44.4	33.4	0.9	0.02	0.01	0	1.32	4.046	0.231	0.006
084-H1	1	0	32	37.5	28.6	0.9	0.02	0.01	0	1.28	3.485	0.186	0.005
085-H1	1	0	32	60	44.3	0.9	0.02	0.01	0	1.42	**5.506**	0.363	0.011
085-O1	1	0	32	79.7	58.1	0.9	0.02	0.01	0	1.53	**7.686**	0.598	0.022
085-P1	1	0	32	157.2	112.3	0.9	0.02	0.01	0	2	**19.32**	2.541	0.157
086-G1	1	0	32	72.1	52.8	0.9	0.02	0.01	0	1.49	**6.805**	0.498	0.017
086-H1	1	0	32	60.8	44.9	0.9	0.02	0.01	0	1.42	**5.587**	0.371	0.012
086-H2	1	0	32	92.5	67.1	0.9	0.02	0.01	0	1.61	**9.312**	0.801	0.033
087-H1	1	0	32	51.6	38.4	0.9	0.02	0.01	0	1.36	4.69	0.287	0.008
087-O1	1	0	32	92.5	67.1	0.9	0.02	0.01	0	1.61	**9.312**	0.801	0.033
088-H1	1	0	32	184.3	131.3	0.9	0.02	0.01	0	2.16	**24.094**	3.671	0.263
088-H2	1	0	32	159	113.6	0.9	0.02	0.01	0	2.01	**19.63**	2.608	0.163
088-O1	1	0	32	136.3	97.7	0.9	0.02	0.01	0	1.87	**15.81**	1.835	0.1
089-A1	1	0	32	80.4	58.6	0.9	0.02	0.01	0	1.54	**7.778**	0.609	0.023
089-H1	1	0	32	95.1	68.8	0.9	0.02	0.01	0	1.63	**9.649**	0.845	0.035
089-O1	1	0	32	60.3	44.5	0.9	0.02	0.01	0	1.42	**5.535**	0.366	0.012
090-H1	1	0	32	95.3	69	0.9	0.02	0.01	0	1.63	**9.686**	0.85	0.035
090-O2	1	0	32	157.3	112.4	0.9	0.02	0.01	0	2	**19.339**	2.545	0.158
091-G1	1	0	32	81.3	59.2	0.9	0.02	0.01	0	1.54	**7.88**	0.621	0.023
091-H1	1	0	32	56	41.5	0.9	0.02	0.01	0	1.39	**5.105**	0.325	0.01
092-O1	1	0	32	180.3	128.5	0.9	0.02	0.01	0	2.13	**23.389**	3.492	0.245
092-O2	1	0	32	101.8	73.6	0.9	0.02	0.01	0	1.67	**10.57**	0.973	0.042
093-H1	1	0	32	67.9	49.8	0.9	0.02	0.01	0	1.46	**6.331**	0.447	0.015
094-H1	1	0	32	80.2	58.4	0.9	0.02	0.01	0	1.54	**7.744**	0.605	0.022
094-P1	1	0	32	77.1	56.3	0.9	0.02	0.01	0	1.52	**7.382**	0.563	0.02
095-A1	1	0	32	174.1	124.2	0.9	0.02	0.01	0	2.1	**22.287**	3.22	0.219
095-H1	1	0	32	118.6	85.3	0.9	0.02	0.01	0	1.77	**13.027**	1.348	0.066
095-O1	1	0	32	149.1	106.7	0.9	0.02	0.01	0	1.95	**17.941**	2.251	0.133
095-O2	1	0	32	177.5	126.6	0.9	0.02	0.01	0	2.12	**22.887**	3.367	0.233
096-H1	1	0	32	179.2	127.7	0.9	0.02	0.01	0	2.13	**23.187**	3.441	0.24
096-O1	1	0	32	313.4	221.7	0.9	0.02	0.01	0	2.9	**47.09**	**12.305**	1.539
097-H1	1	0	32	142.2	101.8	0.9	0.02	0.01	0	1.91	**16.777**	2.019	0.114
097-H2	1	0	32	117.8	84.8	0.9	0.02	0.01	0	1.76	**12.898**	1.328	0.065
098-G1	1	0	32	36.3	27.7	0.9	0.02	0.01	0	1.27	3.393	0.179	0.005
098-H1	1	0	32	34.4	26.4	0.9	0.02	0.01	0	1.26	3.247	0.168	0.004
098-O1	1	0	32	22.7	18.2	0.9	0.02	0.01	0	1.19	2.442	0.112	0.002
099-A1	1	0	32	56.5	41.8	0.9	0.02	0.01	0	1.39	**5.149**	0.329	0.01
099-G2	1	0	32	63.3	46.7	0.9	0.02	0.01	0	1.44	**5.848**	0.397	0.013
099-H1	1	0	32	144.4	103.4	0.9	0.02	0.01	0	1.92	**17.15**	2.092	0.12
099-O1	1	0	32	170.7	121.8	0.9	0.02	0.01	0	2.08	**21.672**	3.073	0.205
100-G1	1	0	32	46.1	34.6	0.9	0.02	0.01	0	1.33	4.194	0.244	0.007
100-H1	1	0	32	140.6	100.7	0.9	0.02	0.01	0	1.9	**16.51**	1.967	0.11

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
100-N1	1	0	32	88.4	64.2	0.9	0.02	0.01	0	1.59	**8.772**	0.731	0.029
100-N2	1	0	32	73.6	53.8	0.9	0.02	0.01	0	1.5	**6.971**	0.516	0.018
100-O1	1	0	32	138.4	99.2	0.9	0.02	0.01	0	1.89	**16.16**	1.9	0.105
101-G1	1	0	32	50.7	37.8	0.9	0.02	0.01	0	1.36	4.607	0.279	0.008
101-H1	1	0	32	131.5	94.4	0.9	0.02	0.01	0	1.84	**15.041**	1.694	0.09
101-O1	1	0	32	209.4	148.9	0.9	0.02	0.01	0	2.3	**28.675**	4.95	0.403
102-G1	1	0	32	56.5	41.8	0.9	0.02	0.01	0	1.39	**5.149**	0.329	0.01
102-H1	1	0	32	29.9	23.3	0.9	0.02	0.01	0	1.23	2.921	0.144	0.003
103-H1	1	0	32	118	84.9	0.9	0.02	0.01	0	1.76	**12.925**	1.332	0.065
103-O1	1	0	32	99	71.6	0.9	0.02	0.01	0	1.65	**10.182**	0.918	0.039
104-H1	1	0	32	182.1	129.8	0.9	0.02	0.01	0	2.14	**23.707**	3.573	0.253
104-H2	1	0	32	165.1	117.8	0.9	0.02	0.01	0	2.04	**20.683**	2.843	0.184
104-N1	1	0	32	149.8	107.2	0.9	0.02	0.01	0	1.95	**18.053**	2.274	0.135
105-H1	1	0	32	105.8	76.3	0.9	0.02	0.01	0	1.69	**11.127**	1.054	0.047
105-P1	1	0	32	217.3	154.4	0.9	0.02	0.01	0	2.35	**30.104**	**5.389**	0.455
106-G1	1	0	32	28.4	22.2	0.9	0.02	0.01	0	1.22	2.818	0.137	0.003
106-G2	1	0	32	28.5	22.3	0.9	0.02	0.01	0	1.22	2.824	0.138	0.003
106-H1	1	0	32	18.6	15.3	0.9	0.02	0.01	0	1.16	2.192	0.096	0.002
106-O1	1	0	32	24.9	19.7	0.9	0.02	0.01	0	1.2	2.582	0.121	0.003
107-H1	1	0	32	233.9	166	0.9	0.02	0.01	0	2.44	**33.148**	**6.392**	0.582
108-H1	1	0	32	72.8	53.2	0.9	0.02	0.01	0	1.49	**6.877**	0.506	0.018
108-O1	1	0	32	119.5	85.9	0.9	0.02	0.01	0	1.77	**13.155**	1.369	0.067
108-O2	1	0	32	53.9	40	0.9	0.02	0.01	0	1.38	4.903	0.306	0.009
109-H1	1	0	32	20.2	16.5	0.9	0.02	0.01	0	1.17	2.289	0.102	0.002
110-A1	1	0	32	91.7	66.5	0.9	0.02	0.01	0	1.61	**9.202**	0.786	0.032
110-G1	1	0	32	67.7	49.7	0.9	0.02	0.01	0	1.46	**6.315**	0.445	0.015
110-G2	1	0	32	30.8	23.9	0.9	0.02	0.01	0	1.24	2.982	0.149	0.004
110-H1	1	0	32	58.8	43.5	0.9	0.02	0.01	0	1.41	**5.382**	0.351	0.011
110-O1	1	0	32	46.1	34.5	0.9	0.02	0.01	0	1.33	4.191	0.243	0.007
110-O2	1	0	32	80.7	58.8	0.9	0.02	0.01	0	1.54	**7.809**	0.612	0.023
111-H1	1	0	32	41.9	31.6	0.9	0.02	0.01	0	1.31	3.838	0.214	0.006
112-G1	1	0	32	97.3	70.4	0.9	0.02	0.01	0	1.64	**9.954**	0.887	0.037
112-H1	1	0	32	85.4	62.1	0.9	0.02	0.01	0	1.57	**8.393**	0.683	0.026
112-O1	1	0	32	296.9	210.1	0.9	0.02	0.01	0	2.81	**44.327**	**10.943**	1.289
113-G1	1	0	32	171.6	122.4	0.9	0.02	0.01	0	2.08	**21.839**	3.113	0.209
113-G2	1	0	32	190.1	135.4	0.9	0.02	0.01	0	2.19	**25.158**	3.951	0.292
113-G3	1	0	32	76.3	55.7	0.9	0.02	0.01	0	1.51	**7.287**	0.552	0.02
113-O1	1	0	32	122.8	88.3	0.9	0.02	0.01	0	1.79	**13.671**	1.455	0.073
114-G1	1	0	32	292.8	207.2	0.9	0.02	0.01	0	2.78	**43.623**	**10.613**	1.231
114-H1	1	0	32	327.3	231.4	0.9	0.02	0.01	0	2.98	**49.356**	**13.501**	1.773
114-O1	1	0	32	263	186.4	0.9	0.02	0.01	0	2.61	**38.407**	**8.354**	0.862
115-O1	1	0	32	394.7	278.6	0.9	0.02	0.01	0	3.35	**59.388**	**19.786**	3.221
116-O1	1	0	32	135.7	97.3	0.9	0.02	0.01	0	1.87	**15.718**	1.818	0.099
117-O1	1	0	32	15.8	13.4	0.9	0.02	0.01	0	1.15	2.034	0.086	0.002
118-G1	1	0	32	26.3	20.7	0.9	0.02	0.01	0	1.21	2.676	0.127	0.003
118-G2	1	0	32	21.9	17.6	0.9	0.02	0.01	0	1.18	2.388	0.108	0.002

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
118-H1	1	0	32	21.9	17.6	0.9	0.02	0.01	0	1.18	2.389	0.108	0.002
118-N1	1	0	32	47.1	35.3	0.9	0.02	0.01	0	1.34	4.281	0.251	0.007
118-N2	1	0	32	76.2	55.7	0.9	0.02	0.01	0	1.51	**7.277**	0.551	0.02
119-P1	1	0	32	275.8	195.4	0.9	0.02	0.01	0	2.69	**40.679**	**9.297**	1.01
120-A1	1	0	32	57.4	42.5	0.9	0.02	0.01	0	1.4	**5.242**	0.338	0.01
120-G1	1	0	32	55.1	40.8	0.9	0.02	0.01	0	1.39	**5.014**	0.316	0.01
120-H1	1	0	32	58.4	43.2	0.9	0.02	0.01	0	1.41	**5.337**	0.347	0.011
120-O1	1	0	32	93.3	67.6	0.9	0.02	0.01	0	1.62	**9.411**	0.814	0.033
121-G1	1	0	32	31.1	24.1	0.9	0.02	0.01	0	1.24	3.007	0.151	0.004
121-H1	1	0	32	44.1	33.2	0.9	0.02	0.01	0	1.32	4.022	0.229	0.006
121-N1	1	0	32	21.6	17.4	0.9	0.02	0.01	0	1.18	2.374	0.107	0.002
121-N2	1	0	32	39.1	29.7	0.9	0.02	0.01	0	1.29	3.61	0.196	0.005
122-G1	1	0	32	65.4	48.1	0.9	0.02	0.01	0	1.45	**6.061**	0.419	0.014
122-G2	1	0	32	58.7	43.4	0.9	0.02	0.01	0	1.41	**5.374**	0.35	0.011
122-H1	1	0	32	114.4	82.4	0.9	0.02	0.01	0	1.74	**12.393**	1.247	0.059
122-H2	1	0	32	66.5	48.8	0.9	0.02	0.01	0	1.45	**6.178**	0.431	0.014
122-O1	1	0	32	167.4	119.5	0.9	0.02	0.01	0	2.06	**21.097**	2.939	0.193
122-O2	1	0	32	244.8	173.7	0.9	0.02	0.01	0	2.51	**35.138**	**7.099**	0.678
122-P1	1	0	32	320.9	226.9	0.9	0.02	0.01	0	2.94	**48.327**	**12.949**	1.664
123-G1	1	0	32	80.8	58.9	0.9	0.02	0.01	0	1.54	**7.83**	0.615	0.023
123-G2	1	0	32	93.1	67.5	0.9	0.02	0.01	0	1.62	**9.387**	0.81	0.033
123-H1	1	0	32	72.4	53	0.9	0.02	0.01	0	1.49	**6.84**	0.502	0.018
123-O1	1	0	32	101	73	0.9	0.02	0.01	0	1.66	**10.453**	0.956	0.041
123-O2	1	0	32	220.4	156.6	0.9	0.02	0.01	0	2.37	**30.687**	**5.574**	0.478
124-G1	1	0	32	28	21.9	0.9	0.02	0.01	0	1.22	2.789	0.135	0.003
124-G2	1	0	32	76.6	55.9	0.9	0.02	0.01	0	1.52	**7.323**	0.556	0.02
124-H1	1	0	32	35.1	26.9	0.9	0.02	0.01	0	1.26	3.297	0.172	0.004
124-N1	1	0	32	27.6	21.6	0.9	0.02	0.01	0	1.22	2.761	0.133	0.003
124-N2	1	0	32	8.5	8.3	0.9	0.02	0.01	0	1.1	1.65	0.064	0.001
124-O1	1	0	32	76.6	55.9	0.9	0.02	0.01	0	1.52	**7.316**	0.555	0.02
125-O1	1	0	32	70	51.3	0.9	0.02	0.01	0	1.48	**6.569**	0.472	0.016
126-A1	1	0	32	64.8	47.7	0.9	0.02	0.01	0	1.44	**5.998**	0.412	0.014
126-G1	1	0	32	49	36.6	0.9	0.02	0.01	0	1.35	4.454	0.266	0.008
126-G2	1	0	32	42.2	31.8	0.9	0.02	0.01	0	1.31	3.857	0.216	0.006
126-H1	1	0	32	22	17.7	0.9	0.02	0.01	0	1.18	2.4	0.109	0.002
126-O1	1	0	32	48.8	36.5	0.9	0.02	0.01	0	1.35	4.431	0.264	0.008
126-O2	1	0	32	25.4	20.1	0.9	0.02	0.01	0	1.21	2.615	0.123	0.003
126-O3	1	0	32	50	37.3	0.9	0.02	0.01	0	1.35	4.537	0.273	0.008
126-P1	1	0	32	28.1	22	0.9	0.02	0.01	0	1.22	2.797	0.136	0.003
127-A1	1	0	32	117.8	84.8	0.9	0.02	0.01	0	1.76	**12.898**	1.328	0.065
127-G1	1	0	32	63.2	46.5	0.9	0.02	0.01	0	1.43	**5.83**	0.395	0.013
127-G2	1	0	32	64.9	47.7	0.9	0.02	0.01	0	1.45	**6.008**	0.413	0.014
127-H1	1	0	32	96.8	70	0.9	0.02	0.01	0	1.64	**9.876**	0.876	0.037
127-H2	1	0	32	42.5	32	0.9	0.02	0.01	0	1.31	3.885	0.218	0.006
127-N1	1	0	32	118.3	85.1	0.9	0.02	0.01	0	1.77	**12.984**	1.341	0.065
128-G1	1	0	32	37	28.2	0.9	0.02	0.01	0	1.28	3.44	0.183	0.005

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
128-G2	1	0	32	68.6	50.3	0.9	0.02	0.01	0	1.47	**6.405**	0.455	0.015
128-G3	1	0	32	39.9	30.3	0.9	0.02	0.01	0	1.29	3.676	0.201	0.005
128-N1	1	0	32	120.3	86.5	0.9	0.02	0.01	0	1.78	**13.288**	1.391	0.069
128-O1	1	0	32	69.2	50.8	0.9	0.02	0.01	0	1.47	**6.479**	0.463	0.016
129-H1	1	0	32	297.1	210.3	0.9	0.02	0.01	0	2.81	**44.364**	**10.961**	1.292
129-H2	1	0	32	335.8	237.4	0.9	0.02	0.01	0	3.03	**50.716**	**14.256**	1.928
130-G1	1	0	32	37.3	28.4	0.9	0.02	0.01	0	1.28	3.467	0.185	0.005
130-H1	1	0	32	17.8	14.7	0.9	0.02	0.01	0	1.16	2.143	0.093	0.002
130-H2	1	0	32	53.1	39.5	0.9	0.02	0.01	0	1.37	4.826	0.299	0.009
131-H1	1	0	32	135.4	97.1	0.9	0.02	0.01	0	1.87	**15.673**	1.809	0.098
132-G1	1	0	32	18.4	15.2	0.9	0.02	0.01	0	1.16	2.182	0.095	0.002
132-G2	1	0	32	7.5	7.5	0.9	0.02	0.01	0	1.1	1.601	0.062	0.001
132-H1	1	0	32	28.6	22.3	0.9	0.02	0.01	0	1.22	2.828	0.138	0.003
132-O1	1	0	32	33.2	25.6	0.9	0.02	0.01	0	1.25	3.159	0.162	0.004
133-G1	1	0	32	156.6	111.9	0.9	0.02	0.01	0	1.99	**19.204**	2.516	0.155
133-H1	1	0	32	107.9	77.8	0.9	0.02	0.01	0	1.7	**11.438**	1.1	0.05
134-O1	1	0	32	580.4	408.6	0.9	0.02	0.01	0	4.36	**78.67**	**38.521**	**9.821**
135-G1	1	0	32	116.1	83.6	0.9	0.02	0.01	0	1.75	**12.648**	1.287	0.062
135-H1	1	0	32	169.3	120.8	0.9	0.02	0.01	0	2.07	**21.432**	3.016	0.2
135-O1	1	0	32	113.9	82.1	0.9	0.02	0.01	0	1.74	**12.323**	1.236	0.059
136-A1	1	0	32	27.3	21.4	0.9	0.02	0.01	0	1.22	2.738	0.132	0.003
136-G1	1	0	32	25	19.8	0.9	0.02	0.01	0	1.2	2.587	0.121	0.003
136-H1	1	0	32	34.3	26.4	0.9	0.02	0.01	0	1.26	3.242	0.168	0.004
136-O1	1	0	32	204.6	145.5	0.9	0.02	0.01	0	2.27	**27.784**	4.686	0.372
137-O1	1	0	32	180.6	128.7	0.9	0.02	0.01	0	2.13	**23.438**	3.504	0.247
137-O2	1	0	32	122	87.7	0.9	0.02	0.01	0	1.79	**13.541**	1.433	0.072
138-G1	1	0	32	35.5	27.1	0.9	0.02	0.01	0	1.27	3.329	0.174	0.004
138-G2	1	0	32	48.1	36	0.9	0.02	0.01	0	1.34	4.371	0.259	0.007
138-H1	1	0	32	28.5	22.3	0.9	0.02	0.01	0	1.22	2.824	0.138	0.003
138-O1	1	0	32	24.4	19.4	0.9	0.02	0.01	0	1.2	2.549	0.119	0.003
138-O2	1	0	32	45.5	34.1	0.9	0.02	0.01	0	1.33	4.14	0.239	0.007
139-G1	1	0	32	46.7	35	0.9	0.02	0.01	0	1.33	4.245	0.248	0.007
139-G2	1	0	32	39.6	30	0.9	0.02	0.01	0	1.29	3.651	0.199	0.005
139-H1	1	0	32	42.7	32.2	0.9	0.02	0.01	0	1.31	3.901	0.219	0.006
139-N1	1	0	32	45.5	34.2	0.9	0.02	0.01	0	1.33	4.142	0.239	0.007
140-G1	1	0	32	263	186.4	0.9	0.02	0.01	0	2.61	**38.417**	**8.358**	0.862
140-H1	1	0	32	20.2	16.5	0.9	0.02	0.01	0	1.17	2.289	0.102	0.002
140-O1	1	0	32	494.1	348.2	0.9	0.02	0.01	0	3.9	**71.13**	**29.817**	**6.305**
140-O2	1	0	32	20.2	16.5	0.9	0.02	0.01	0	1.17	2.289	0.102	0.002
141-A1	1	0	32	39	29.6	0.9	0.02	0.01	0	1.29	3.597	0.195	0.005
141-H1	1	0	32	68.6	50.3	0.9	0.02	0.01	0	1.47	**6.413**	0.456	0.015
141-H2	1	0	32	80.4	58.6	0.9	0.02	0.01	0	1.54	**7.778**	0.609	0.023
141-H3	1	0	32	65.1	47.9	0.9	0.02	0.01	0	1.45	**6.034**	0.416	0.014
141-N1	1	0	32	29.5	22.9	0.9	0.02	0.01	0	1.23	2.888	0.142	0.003
141-N2	1	0	32	41.7	31.5	0.9	0.02	0.01	0	1.3	3.822	0.213	0.006
141-N3	1	0	32	12.4	11	0.9	0.02	0.01	0	1.13	1.85	0.076	0.002

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
141-N4	1	0	32	38.4	29.1	0.9	0.02	0.01	0	1.28	3.55	0.191	0.005
141-O1	1	0	32	43.9	33	0.9	0.02	0.01	0	1.32	4.005	0.228	0.006
142-H1	1	0	32	97.6	70.6	0.9	0.02	0.01	0	1.64	**9.989**	0.892	0.038
142-O1	1	0	32	69.2	50.7	0.9	0.02	0.01	0	1.47	**6.472**	0.462	0.016
143-A1	1	0	32	52	38.7	0.9	0.02	0.01	0	1.37	4.724	0.29	0.009
143-G1	1	0	32	65.9	48.5	0.9	0.02	0.01	0	1.45	**6.121**	0.425	0.014
143-G2	1	0	32	46.9	35.1	0.9	0.02	0.01	0	1.34	4.259	0.249	0.007
143-H1	1	0	32	70.6	51.7	0.9	0.02	0.01	0	1.48	**6.631**	0.479	0.016
144-G1	1	0	32	98.6	71.3	0.9	0.02	0.01	0	1.65	**10.123**	0.91	0.039
144-H1	1	0	32	140.5	100.7	0.9	0.02	0.01	0	1.9	**16.498**	1.965	0.11
145-A1	1	0	32	61.4	45.3	0.9	0.02	0.01	0	1.42	**5.644**	0.377	0.012
145-H1	1	0	32	159.9	114.2	0.9	0.02	0.01	0	2.01	**19.775**	2.64	0.166
146-H1	1	0	32	1802.4	1264	0.9	0.02	0.01	0	10.01	**99.481**	**93.001**	**68.292**
147-G1	1	0	32	59.7	44	0.9	0.02	0.01	0	1.41	**5.466**	0.359	0.011
147-G2	1	0	32	85	61.8	0.9	0.02	0.01	0	1.57	**8.338**	0.676	0.026
147-H1	1	0	32	83.3	60.6	0.9	0.02	0.01	0	1.56	**8.128**	0.651	0.025
148-H1	1	0	32	48.3	36.1	0.9	0.02	0.01	0	1.34	4.391	0.26	0.007
148-O1	1	0	32	61.7	45.5	0.9	0.02	0.01	0	1.43	**5.673**	0.38	0.012
148-O3	1	0	32	105.2	75.9	0.9	0.02	0.01	0	1.69	**11.045**	1.042	0.046
149-A1	1	0	32	46.5	34.8	0.9	0.02	0.01	0	1.33	4.228	0.246	0.007
149-G1	1	0	32	49	36.6	0.9	0.02	0.01	0	1.35	4.446	0.265	0.008
149-G2	1	0	32	54.4	40.4	0.9	0.02	0.01	0	1.38	4.954	0.311	0.009
149-H1	1	0	32	73.2	53.5	0.9	0.02	0.01	0	1.5	**6.926**	0.511	0.018
149-N1	1	0	32	34.4	26.4	0.9	0.02	0.01	0	1.26	3.247	0.168	0.004
150-G1	1	0	32	43.8	32.9	0.9	0.02	0.01	0	1.32	3.991	0.227	0.006
150-H1	1	0	32	37.9	28.9	0.9	0.02	0.01	0	1.28	3.517	0.189	0.005
151-H1	1	0	32	101.2	73.2	0.9	0.02	0.01	0	1.66	**10.492**	0.962	0.042
152-G1	1	0	32	114	82.1	0.9	0.02	0.01	0	1.74	**12.329**	1.237	0.059
152-H1	1	0	32	165.7	118.3	0.9	0.02	0.01	0	2.05	**20.802**	2.871	0.186
153-G1	1	0	32	105.6	76.3	0.9	0.02	0.01	0	1.69	**11.112**	1.052	0.047
153-H1	1	0	32	282.2	199.9	0.9	0.02	0.01	0	2.72	**41.798**	**9.785**	1.09
153-O1	1	0	32	222.5	158.1	0.9	0.02	0.01	0	2.38	**31.066**	**5.696**	0.493
153-O2	1	0	32	372.5	263.1	0.9	0.02	0.01	0	3.23	**56.267**	**17.642**	2.686
153-O3	1	0	32	220.4	156.6	0.9	0.02	0.01	0	2.37	**30.689**	**5.574**	0.478
153-O5	1	0	32	304.6	215.5	0.9	0.02	0.01	0	2.85	**45.624**	**11.57**	1.402
153-O6	1	0	32	101.9	73.6	0.9	0.02	0.01	0	1.67	**10.586**	0.975	0.043
153-O7	1	0	32	361	255	0.9	0.02	0.01	0	3.17	**54.58**	**16.558**	2.432
153-P1	1	0	32	280.1	198.4	0.9	0.02	0.01	0	2.71	**41.425**	**9.621**	1.063
154-G1	1	0	32	21.4	17.3	0.9	0.02	0.01	0	1.18	2.359	0.106	0.002
154-H1	1	0	32	21.8	17.5	0.9	0.02	0.01	0	1.18	2.384	0.108	0.002
155-G1	1	0	32	139.7	100.1	0.9	0.02	0.01	0	1.89	**16.36**	1.938	0.108
155-G2	1	0	32	91.7	66.5	0.9	0.02	0.01	0	1.61	**9.202**	0.786	0.032
155-H1	1	0	32	52.4	39	0.9	0.02	0.01	0	1.37	4.763	0.293	0.009
155-H2	1	0	32	168.3	120.1	0.9	0.02	0.01	0	2.06	**21.244**	2.973	0.196
155-O2	1	0	32	270.9	191.9	0.9	0.02	0.01	0	2.66	**39.812**	**8.93**	0.951
156-H1	1	0	32	81.7	59.5	0.9	0.02	0.01	0	1.55	**7.931**	0.627	0.024

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
156-O1	1	0	32	145.8	104.4	0.9	0.02	0.01	0	1.93	**17.384**	2.139	0.124
157-G1	1	0	32	41.7	31.5	0.9	0.02	0.01	0	1.3	3.816	0.212	0.006
157-H1	1	0	32	92.5	67.1	0.9	0.02	0.01	0	1.61	**9.312**	0.801	0.033
157-H2	1	0	32	63.1	46.5	0.9	0.02	0.01	0	1.43	**5.821**	0.394	0.013
157-O1	1	0	32	67.1	49.3	0.9	0.02	0.01	0	1.46	**6.248**	0.438	0.015
158-H1	1	0	32	33.8	26	0.9	0.02	0.01	0	1.26	3.202	0.165	0.004
158-O1	1	0	32	51.2	38.1	0.9	0.02	0.01	0	1.36	4.646	0.283	0.008
159-G1	1	0	32	70.3	51.5	0.9	0.02	0.01	0	1.48	**6.602**	0.476	0.016
159-H1	1	0	32	59.6	44	0.9	0.02	0.01	0	1.41	**5.463**	0.359	0.011
159-H2	1	0	32	101	73	0.9	0.02	0.01	0	1.66	**10.453**	0.956	0.041
159-O1	1	0	32	44.3	33.3	0.9	0.02	0.01	0	1.32	4.034	0.23	0.006
159-O2	1	0	32	51.2	38.2	0.9	0.02	0.01	0	1.36	4.654	0.284	0.008
160-G1	1	0	32	130.4	93.6	0.9	0.02	0.01	0	1.84	**14.86**	1.661	0.088
160-H1	1	0	32	80.3	58.5	0.9	0.02	0.01	0	1.54	**7.757**	0.606	0.023
160-H2	1	0	32	75.1	54.8	0.9	0.02	0.01	0	1.51	**7.139**	0.535	0.019
161-H1	1	0	32	129.6	93	0.9	0.02	0.01	0	1.83	**14.726**	1.638	0.086
161-N1	1	0	32	100.7	72.8	0.9	0.02	0.01	0	1.66	**10.414**	0.951	0.041
162-H1	1	0	32	80.7	58.8	0.9	0.02	0.01	0	1.54	**7.816**	0.613	0.023
163-G1	1	0	32	53	39.4	0.9	0.02	0.01	0	1.37	4.818	0.298	0.009
163-O1	1	0	32	71	52	0.9	0.02	0.01	0	1.48	**6.679**	0.484	0.017
164-H1	1	0	32	130.1	93.4	0.9	0.02	0.01	0	1.84	**14.816**	1.654	0.087
165-H1	1	0	32	13.2	11.6	0.9	0.02	0.01	0	1.13	1.892	0.078	0.002
165-O1	1	0	32	62.6	46.2	0.9	0.02	0.01	0	1.43	**5.773**	0.39	0.013
166-O1	1	0	32	254.2	180.2	0.9	0.02	0.01	0	2.56	**36.828**	**7.733**	0.769
167-O1	1	0	32	99.3	71.8	0.9	0.02	0.01	0	1.65	**10.22**	0.924	0.04
167-O2	1	0	32	154.5	110.5	0.9	0.02	0.01	0	1.98	**18.857**	2.442	0.149
167-O3	1	0	32	223.8	158.9	0.9	0.02	0.01	0	2.39	**31.302**	**5.772**	0.502
167-O4	1	0	32	175.9	125.4	0.9	0.02	0.01	0	2.11	**22.598**	3.296	0.226
167-O5	1	0	32	224.2	159.2	0.9	0.02	0.01	0	2.39	**31.377**	**5.797**	0.506
167-O6	1	0	32	246.5	174.9	0.9	0.02	0.01	0	2.52	**35.443**	**7.211**	0.694
167-O7	1	0	32	397.1	280.3	0.9	0.02	0.01	0	3.37	**59.71**	**20.017**	3.281
167-O8	1	0	32	205.3	146	0.9	0.02	0.01	0	2.28	**27.914**	4.724	0.377
167-O9	1	0	32	196.9	140.1	0.9	0.02	0.01	0	2.23	**26.38**	4.285	0.328
168-G1	1	0	32	37.5	28.6	0.9	0.02	0.01	0	1.28	3.485	0.186	0.005
168-G2	1	0	32	38	28.9	0.9	0.02	0.01	0	1.28	3.524	0.189	0.005
168-H1	1	0	32	28.8	22.4	0.9	0.02	0.01	0	1.23	2.841	0.139	0.003
168-N1	1	0	32	32.7	25.2	0.9	0.02	0.01	0	1.25	3.122	0.159	0.004
168-O1	1	0	32	48.2	36	0.9	0.02	0.01	0	1.34	4.379	0.259	0.007
169-G2	1	0	32	36.5	27.9	0.9	0.02	0.01	0	1.27	3.406	0.18	0.005
169-G3	1	0	32	54.8	40.6	0.9	0.02	0.01	0	1.38	4.986	0.314	0.009
169-G4	1	0	32	52.3	38.9	0.9	0.02	0.01	0	1.37	4.747	0.292	0.009
169-H1	1	0	32	41.5	31.3	0.9	0.02	0.01	0	1.3	3.801	0.211	0.006
170-G1	1	0	32	47.3	35.4	0.9	0.02	0.01	0	1.34	4.296	0.252	0.007
170-G2	1	0	32	116.9	84.2	0.9	0.02	0.01	0	1.76	**12.771**	1.307	0.063
170-H1	1	0	32	77	56.2	0.9	0.02	0.01	0	1.52	**7.373**	0.562	0.02
171-A1	1	0	32	155.6	111.3	0.9	0.02	0.01	0	1.99	**19.049**	2.483	0.152

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
171-G1	1	0	32	240.6	170.7	0.9	0.02	0.01	0	2.48	**34.374**	**6.823**	0.64
171-H1	1	0	32	233.5	165.7	0.9	0.02	0.01	0	2.44	**33.075**	**6.367**	0.579
173-G1	1	0	32	49.2	36.8	0.9	0.02	0.01	0	1.35	4.469	0.267	0.008
173-G2	1	0	32	17	14.2	0.9	0.02	0.01	0	1.15	2.099	0.09	0.002
173-G3	1	0	32	86.7	63	0.9	0.02	0.01	0	1.58	**8.551**	0.703	0.027
173-G4	1	0	32	120.3	86.5	0.9	0.02	0.01	0	1.78	**13.283**	1.391	0.069
173-G5	1	0	32	26.1	20.6	0.9	0.02	0.01	0	1.21	2.659	0.126	0.003
173-H1	1	0	32	136.6	97.9	0.9	0.02	0.01	0	1.87	**15.854**	1.843	0.101
173-P1	1	0	32	175	124.8	0.9	0.02	0.01	0	2.1	**22.437**	3.256	0.222
174-A1	1	0	32	71.9	52.7	0.9	0.02	0.01	0	1.49	**6.782**	0.495	0.017
174-G1	1	0	32	78.9	57.5	0.9	0.02	0.01	0	1.53	**7.596**	0.587	0.022
174-H1	1	0	32	179.5	127.9	0.9	0.02	0.01	0	2.13	**23.238**	3.454	0.242
175-G1	1	0	32	77.2	56.4	0.9	0.02	0.01	0	1.52	**7.395**	0.564	0.02
175-G2	1	0	32	26.8	21	0.9	0.02	0.01	0	1.21	2.706	0.129	0.003
175-H1	1	0	32	75.5	55.1	0.9	0.02	0.01	0	1.51	**7.189**	0.541	0.019
176-A1	1	0	32	39.3	29.8	0.9	0.02	0.01	0	1.29	3.624	0.197	0.005
176-H1	1	0	32	50.3	37.5	0.9	0.02	0.01	0	1.36	4.568	0.276	0.008
176-H2	1	0	32	29	22.6	0.9	0.02	0.01	0	1.23	2.859	0.14	0.003
176-P1	1	0	32	39	29.6	0.9	0.02	0.01	0	1.29	3.604	0.195	0.005
178-H1	1	0	32	29.1	22.7	0.9	0.02	0.01	0	1.23	2.865	0.14	0.003
179-H1	1	0	32	82.9	60.3	0.9	0.02	0.01	0	1.55	**8.084**	0.645	0.024
180-H1	1	0	32	421.7	297.5	0.9	0.02	0.01	0	3.5	**62.929**	**22.456**	3.947
180-H2	1	0	32	20.2	16.5	0.9	0.02	0.01	0	1.17	2.289	0.102	0.002
180-O1	1	0	32	479.9	338.2	0.9	0.02	0.01	0	3.82	**69.665**	**28.364**	**5.797**
181-A1	1	0	32	106.1	76.6	0.9	0.02	0.01	0	1.69	**11.174**	1.061	0.048
181-G1	1	0	32	48.7	36.4	0.9	0.02	0.01	0	1.35	4.42	0.263	0.008
181-G2	1	0	32	112.3	80.9	0.9	0.02	0.01	0	1.73	**12.076**	1.197	0.056
181-H1	1	0	32	121.4	87.3	0.9	0.02	0.01	0	1.78	**13.45**	1.418	0.071
181-H2	1	0	32	115	82.8	0.9	0.02	0.01	0	1.75	**12.482**	1.261	0.06
181-N1	1	0	32	126.7	91	0.9	0.02	0.01	0	1.82	**14.279**	1.559	0.08
181-N2	1	0	32	138.4	99.2	0.9	0.02	0.01	0	1.89	**16.16**	1.9	0.105
181-O1	1	0	32	57.3	42.4	0.9	0.02	0.01	0	1.4	**5.232**	0.337	0.01
182-G1	1	0	32	199.4	141.9	0.9	0.02	0.01	0	2.24	**26.838**	4.414	0.342
182-G2	1	0	32	179.8	128.2	0.9	0.02	0.01	0	2.13	**23.295**	3.468	0.243
182-H1	1	0	32	138.6	99.3	0.9	0.02	0.01	0	1.89	**16.179**	1.904	0.106
182-H2	1	0	32	133.8	95.9	0.9	0.02	0.01	0	1.86	**15.401**	1.759	0.095
182-O1	1	0	32	110.2	79.4	0.9	0.02	0.01	0	1.72	**11.772**	1.15	0.053
182-O2	1	0	32	186	132.5	0.9	0.02	0.01	0	2.17	**24.404**	3.752	0.272
182-O3	1	0	32	178.6	127.3	0.9	0.02	0.01	0	2.12	**23.087**	3.416	0.238
184-H1	1	0	32	188.9	134.5	0.9	0.02	0.01	0	2.18	**24.924**	3.889	0.286
185-A1	1	0	32	33.8	26	0.9	0.02	0.01	0	1.26	3.205	0.165	0.004
185-H1	1	0	32	32.6	25.1	0.9	0.02	0.01	0	1.25	3.11	0.158	0.004
186-O1	1	0	32	350	247.3	0.9	0.02	0.01	0	3.11	**52.918**	**15.537**	2.202
187-H1	1	0	32	107.5	77.6	0.9	0.02	0.01	0	1.7	**11.379**	1.091	0.049
188-A1	1	0	32	78.2	57.1	0.9	0.02	0.01	0	1.53	**7.515**	0.578	0.021
188-G1	1	0	32	116.9	84.2	0.9	0.02	0.01	0	1.76	**12.771**	1.307	0.063

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
188-G2	1	0	32	122	87.7	0.9	0.02	0.01	0	1.79	**13.541**	1.433	0.072
188-G3	1	0	32	61.7	45.5	0.9	0.02	0.01	0	1.43	**5.673**	0.38	0.012
188-H1	1	0	32	39	29.6	0.9	0.02	0.01	0	1.29	3.604	0.195	0.005
188-P1	1	0	32	56.6	41.9	0.9	0.02	0.01	0	1.4	**5.165**	0.33	0.01
189-G1	1	0	32	44	33.1	0.9	0.02	0.01	0	1.32	4.012	0.228	0.006
189-H1	1	0	32	76.3	55.7	0.9	0.02	0.01	0	1.51	**7.287**	0.552	0.02
189-H2	1	0	32	103.5	74.7	0.9	0.02	0.01	0	1.68	**10.806**	1.007	0.044
189-O1	1	0	32	119.8	86.2	0.9	0.02	0.01	0	1.77	**13.207**	1.378	0.068
190-G1	1	0	32	18.3	15.1	0.9	0.02	0.01	0	1.16	2.172	0.095	0.002
190-H1	1	0	32	41.5	31.3	0.9	0.02	0.01	0	1.3	3.799	0.211	0.006
190-N1	1	0	32	26.9	21.1	0.9	0.02	0.01	0	1.21	2.715	0.13	0.003
190-N2	1	0	32	24.4	19.4	0.9	0.02	0.01	0	1.2	2.549	0.119	0.003
190-N3	1	0	32	21	17	0.9	0.02	0.01	0	1.18	2.333	0.105	0.002
190-O1	1	0	32	62.8	46.2	0.9	0.02	0.01	0	1.43	**5.786**	0.391	0.013
191-H1	1	0	32	211.2	150.1	0.9	0.02	0.01	0	2.31	**28.991**	**5.045**	0.414
192-A1	1	0	32	37.4	28.5	0.9	0.02	0.01	0	1.28	3.478	0.186	0.005
192-G1	1	0	32	28.4	22.2	0.9	0.02	0.01	0	1.22	2.818	0.137	0.003
192-H1	1	0	32	34	26.1	0.9	0.02	0.01	0	1.26	3.213	0.166	0.004
193-G1	1	0	32	18.6	15.3	0.9	0.02	0.01	0	1.16	2.192	0.096	0.002
193-H1	1	0	32	21.4	17.3	0.9	0.02	0.01	0	1.18	2.36	0.107	0.002
194-H1	1	0	32	27.5	21.5	0.9	0.02	0.01	0	1.22	2.751	0.133	0.003
194-N1	1	0	32	34.2	26.2	0.9	0.02	0.01	0	1.26	3.228	0.167	0.004
195-G1	1	0	32	77.8	56.8	0.9	0.02	0.01	0	1.52	**7.466**	0.572	0.021
195-G2	1	0	32	154.8	110.7	0.9	0.02	0.01	0	1.98	**18.904**	2.452	0.15
195-O1	1	0	32	195.5	139.1	0.9	0.02	0.01	0	2.22	**26.125**	4.214	0.32
196-A1	1	0	32	57.5	42.5	0.9	0.02	0.01	0	1.4	**5.248**	0.338	0.01
196-A2	1	0	32	68.7	50.4	0.9	0.02	0.01	0	1.47	**6.416**	0.456	0.015
196-G1	1	0	32	47.7	35.7	0.9	0.02	0.01	0	1.34	4.333	0.255	0.007
196-O1	1	0	32	69	50.6	0.9	0.02	0.01	0	1.47	**6.45**	0.46	0.016
197-H1	1	0	32	140.9	100.9	0.9	0.02	0.01	0	1.9	**16.567**	1.978	0.111
198-G1	1	0	32	78.3	57.1	0.9	0.02	0.01	0	1.53	**7.528**	0.579	0.021
198-H1	1	0	32	168.3	120.1	0.9	0.02	0.01	0	2.06	**21.244**	2.973	0.196
199-G1	1	0	32	14.7	12.6	0.9	0.02	0.01	0	1.14	1.972	0.083	0.002
199-O1	1	0	32	26.5	20.8	0.9	0.02	0.01	0	1.21	2.685	0.128	0.003
200-G1	1	0	32	29.9	23.2	0.9	0.02	0.01	0	1.23	2.918	0.144	0.003
200-H1	1	0	32	29.1	22.7	0.9	0.02	0.01	0	1.23	2.865	0.14	0.003
200-O1	1	0	32	27.7	21.7	0.9	0.02	0.01	0	1.22	2.767	0.134	0.003
201-O1	1	0	32	324.8	229.7	0.9	0.02	0.01	0	2.96	**48.958**	**13.286**	1.73
202-H1	1	0	32	173.3	123.6	0.9	0.02	0.01	0	2.09	**22.138**	3.184	0.216
202-N1	1	0	32	57.9	42.8	0.9	0.02	0.01	0	1.4	**5.29**	0.342	0.011
202-O1	1	0	32	137	98.2	0.9	0.02	0.01	0	1.88	**15.922**	1.856	0.102
203-H1	1	0	32	20.2	16.5	0.9	0.02	0.01	0	1.17	2.289	0.102	0.002
203-O1	1	0	32	20.2	16.5	0.9	0.02	0.01	0	1.17	2.289	0.102	0.002
203-O2	1	0	32	479.2	337.8	0.9	0.02	0.01	0	3.82	**69.591**	**28.293**	**5.772**
205-O1	1	0	32	507.3	357.4	0.9	0.02	0.01	0	3.97	**72.424**	**31.159**	**6.793**
206-A1	1	0	32	116.1	83.6	0.9	0.02	0.01	0	1.75	**12.645**	1.287	0.062

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
206-G1	1	0	32	50.4	37.6	0.9	0.02	0.01	0	1.36	4.576	0.277	0.008
206-H1	1	0	32	18	14.9	0.9	0.02	0.01	0	1.16	2.156	0.094	0.002
206-H2	1	0	32	285	201.8	0.9	0.02	0.01	0	2.74	**42.275**	**9.997**	1.125
206-O1	1	0	32	252.4	179	0.9	0.02	0.01	0	2.55	**36.508**	**7.61**	0.751
207-O1	1	0	32	110.8	79.9	0.9	0.02	0.01	0	1.72	**11.862**	1.164	0.054
208-H1	1	0	32	264.1	187.2	0.9	0.02	0.01	0	2.62	**38.605**	**8.434**	0.874
209-G1	1	0	32	238.7	169.4	0.9	0.02	0.01	0	2.47	**34.02**	**6.697**	0.623
209-H1	1	0	32	391.9	276.6	0.9	0.02	0.01	0	3.34	**59.001**	**19.509**	3.149
209-P1	1	0	32	517.6	364.6	0.9	0.02	0.01	0	4.02	**73.401**	**32.209**	**7.189**
210-H1	1	0	32	113.6	81.8	0.9	0.02	0.01	0	1.74	**12.265**	1.227	0.058
210-O1	1	0	32	127.9	91.8	0.9	0.02	0.01	0	1.82	**14.461**	1.591	0.083
211-A1	1	0	32	71.8	52.6	0.9	0.02	0.01	0	1.49	**6.773**	0.494	0.017
211-G1	1	0	32	38.6	29.3	0.9	0.02	0.01	0	1.29	3.571	0.193	0.005
211-G2	1	0	32	44.7	33.6	0.9	0.02	0.01	0	1.32	4.069	0.233	0.006
211-H1	1	0	32	70.7	51.8	0.9	0.02	0.01	0	1.48	**6.64**	0.48	0.017
211-O1	1	0	32	127.3	91.4	0.9	0.02	0.01	0	1.82	**14.372**	1.575	0.081
212-H1	1	0	32	188.5	134.2	0.9	0.02	0.01	0	2.18	**24.856**	3.871	0.284
212-H2	1	0	32	149.1	106.7	0.9	0.02	0.01	0	1.95	**17.942**	2.251	0.133
213-O1	1	0	32	35.5	27.1	0.9	0.02	0.01	0	1.27	3.326	0.174	0.004
213-O2	1	0	32	84.3	61.3	0.9	0.02	0.01	0	1.56	**8.259**	0.667	0.026
213-O3	1	0	32	57.5	42.5	0.9	0.02	0.01	0	1.4	**5.253**	0.339	0.01
801-O1	1	0	32	28.9	22.5	0.9	0.02	0.01	0	1.23	2.851	0.139	0.003
801-O2	1	0	32	14.9	12.8	0.9	0.02	0.01	0	1.14	1.985	0.083	0.002
801-O3	1	0	32	31.1	24.1	0.9	0.02	0.01	0	1.24	3.007	0.151	0.004
802-O1	1	0	32	150.3	107.5	0.9	0.02	0.01	0	1.96	**18.14**	2.292	0.136
803-O1	1	0	32	446.5	314.8	0.9	0.02	0.01	0	3.64	**65.941**	**24.952**	4.687
803-O2	1	0	32	314.6	222.6	0.9	0.02	0.01	0	2.91	**47.302**	**12.414**	1.56
803-O3	1	0	32	234.7	166.6	0.9	0.02	0.01	0	2.45	**33.302**	**6.445**	0.589
804-O1	1	0	32	102.1	73.8	0.9	0.02	0.01	0	1.67	**10.61**	0.979	0.043
804-O2	1	0	32	254.1	180.1	0.9	0.02	0.01	0	2.56	**36.81**	**7.726**	0.768
805-O1	1	0	32	38.2	29	0.9	0.02	0.01	0	1.28	3.538	0.19	0.005
805-O2	1	0	32	45.5	34.1	0.9	0.02	0.01	0	1.33	4.14	0.239	0.007
806-O1	1	0	32	28.4	22.1	0.9	0.02	0.01	0	1.22	2.812	0.137	0.003
806-O2	1	0	32	29.6	23	0.9	0.02	0.01	0	1.23	2.9	0.143	0.003
806-O3	1	0	32	50.7	37.8	0.9	0.02	0.01	0	1.36	4.599	0.279	0.008
806-O4	1	0	32	36.9	28.1	0.9	0.02	0.01	0	1.28	3.439	0.183	0.005
806-O5	1	0	32	37.3	28.5	0.9	0.02	0.01	0	1.28	3.471	0.185	0.005
807-O1	1	0	32	29	22.6	0.9	0.02	0.01	0	1.23	2.861	0.14	0.003
808-O1	1	0	32	33.7	25.9	0.9	0.02	0.01	0	1.26	3.197	0.164	0.004
808-O2	1	0	32	35.8	27.4	0.9	0.02	0.01	0	1.27	3.355	0.176	0.004
203-O3	1	0	32	20.2	16.5	0.9	0.02	0.01	0	1.17	2.289	0.102	0.002
203-O4	1	0	32	20.2	16.5	0.9	0.02	0.01	0	1.17	2.289	0.102	0.002

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 2/20/2020
Site Name: UCR
Operable Unit: Current Resident, Rainbow Trout
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: RES RAI_02`20`20.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
13	1	0	32	92.4	67	0.9	0.02	0.09	0	1.63	**9.607**	0.84	0.035
14	1	0	32	77.1	56.3	0.9	0.02	0.09	0	1.53	**7.656**	0.594	0.022
15	1	0	32	93.6	67.8	0.9	0.02	0.09	0	1.63	**9.759**	0.86	0.036
16	1	0	32	356	251.5	0.9	0.02	0.09	0	3.15	**54.171**	**16.302**	2.373
17	1	0	32	150.5	107.7	0.9	0.02	0.09	0	1.97	**18.568**	2.381	0.144
9	1	0	32	91.8	66.5	0.9	0.02	0.09	0	1.62	**9.516**	0.828	0.034
40	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
1015	1	0	32	47.6	35.6	0.9	0.02	0.09	0	1.35	4.532	0.273	0.008
1017	1	0	32	139.2	99.8	0.9	0.02	0.09	0	1.9	**16.673**	1.999	0.113
1018	1	0	32	51.9	38.6	0.9	0.02	0.09	0	1.38	4.929	0.309	0.009
42	1	0	32	229.6	163.1	0.9	0.02	0.09	0	2.43	**32.798**	**6.272**	0.567
44	1	0	32	99.7	72.1	0.9	0.02	0.09	0	1.67	**10.602**	0.978	0.043
46	1	0	32	188.7	134.4	0.9	0.02	0.09	0	2.2	**25.314**	3.993	0.297
47	1	0	32	222.3	157.9	0.9	0.02	0.09	0	2.39	**31.454**	**5.822**	0.509
49	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
60	1	0	32	59.3	43.8	0.9	0.02	0.09	0	1.43	**5.662**	0.379	0.012
61	1	0	32	137.2	98.3	0.9	0.02	0.09	0	1.89	**16.334**	1.933	0.108
22	1	0	32	118.9	85.5	0.9	0.02	0.09	0	1.78	**13.418**	1.413	0.07
25	1	0	32	54.5	40.4	0.9	0.02	0.09	0	1.4	**5.18**	0.332	0.01
27	1	0	32	135.3	97	0.9	0.02	0.09	0	1.88	**16.017**	1.873	0.103
28	1	0	32	49.2	36.8	0.9	0.02	0.09	0	1.36	4.683	0.286	0.008
29	1	0	32	42.7	32.2	0.9	0.02	0.09	0	1.32	4.099	0.236	0.007
30	1	0	32	51.6	38.4	0.9	0.02	0.09	0	1.38	4.902	0.306	0.009
31	1	0	32	255.8	181.3	0.9	0.02	0.09	0	2.58	**37.531**	**8.006**	0.809
33	1	0	32	206.4	146.8	0.9	0.02	0.09	0	2.3	**28.546**	4.911	0.398
35	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
35PA	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
39	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
226C	1	0	32	395.3	279	0.9	0.02	0.09	0	3.37	**59.776**	**20.065**	3.294
55	1	0	32	67.1	49.2	0.9	0.02	0.09	0	1.47	**6.496**	0.464	0.016

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
56	1	0	32	185.9	132.4	0.9	0.02	0.09	0	2.18	**24.812**	3.859	0.283
58	1	0	32	73.3	53.6	0.9	0.02	0.09	0	1.51	**7.206**	0.543	0.019
59	1	0	32	206.6	146.9	0.9	0.02	0.09	0	2.3	**28.579**	4.921	0.399
59A	1	0	32	335.3	237	0.9	0.02	0.09	0	3.04	**50.993**	**14.413**	1.961
62	1	0	32	118.1	85	0.9	0.02	0.09	0	1.78	**13.297**	1.393	0.069
62G	1	0	32	70.6	51.7	0.9	0.02	0.09	0	1.49	**6.891**	0.507	0.018
66	1	0	32	141.1	101	0.9	0.02	0.09	0	1.91	**16.975**	2.057	0.118
67	1	0	32	174.5	124.4	0.9	0.02	0.09	0	2.11	**22.754**	3.334	0.23
70	1	0	32	202.6	144.1	0.9	0.02	0.09	0	2.28	**27.851**	4.705	0.375
71	1	0	32	127	91.2	0.9	0.02	0.09	0	1.83	**14.685**	1.63	0.085
72M	1	0	32	253.9	180.1	0.9	0.02	0.09	0	2.57	**37.203**	**7.878**	0.79
72U	1	0	32	109.7	79.1	0.9	0.02	0.09	0	1.73	**12.035**	1.191	0.056
75	1	0	32	381.8	269.6	0.9	0.02	0.09	0	3.3	**57.922**	**18.755**	2.958
82	1	0	32	54.8	40.6	0.9	0.02	0.09	0	1.4	**5.211**	0.335	0.01
85	1	0	32	57.4	42.5	0.9	0.02	0.09	0	1.41	**5.47**	0.36	0.011
86	1	0	32	115.3	83	0.9	0.02	0.09	0	1.76	**12.88**	1.324	0.064
87	1	0	32	99.5	72	0.9	0.02	0.09	0	1.67	**10.578**	0.974	0.042
94M	1	0	32	73.9	54	0.9	0.02	0.09	0	1.51	**7.277**	0.551	0.02
106	1	0	32	387.2	273.4	0.9	0.02	0.09	0	3.33	**58.678**	**19.281**	3.091
107	1	0	32	169.3	120.8	0.9	0.02	0.09	0	2.08	**21.842**	3.113	0.209
108	1	0	32	185.4	132.1	0.9	0.02	0.09	0	2.18	**24.722**	3.835	0.28
109	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
110	1	0	32	88.5	64.3	0.9	0.02	0.09	0	1.6	**9.09**	0.772	0.031
110G	1	0	32	41.5	31.4	0.9	0.02	0.09	0	1.32	3.999	0.227	0.006
111	1	0	32	70.4	51.5	0.9	0.02	0.09	0	1.49	**6.867**	0.505	0.018
112	1	0	32	471.3	332.2	0.9	0.02	0.09	0	3.79	**68.997**	**27.723**	**5.58**
112G	1	0	32	181.5	129.4	0.9	0.02	0.09	0	2.15	**24.024**	3.653	0.262
113low	1	0	32	263	186.4	0.9	0.02	0.09	0	2.63	**38.83**	**8.525**	0.888
113up	1	0	32	398.8	281.5	0.9	0.02	0.09	0	3.39	**60.256**	**20.415**	3.386
115SP	1	0	32	493.1	347.5	0.9	0.02	0.09	0	3.91	**71.261**	**29.95**	**6.352**
21	1	0	32	104.1	75.2	0.9	0.02	0.09	0	1.69	**11.219**	1.067	0.048
21G	1	0	32	337.4	238.5	0.9	0.02	0.09	0	3.05	**51.332**	**14.606**	2.001
116M	1	0	32	347.4	245.4	0.9	0.02	0.09	0	3.1	**52.869**	**15.508**	2.196
122	1	0	32	69	50.6	0.9	0.02	0.09	0	1.48	**6.717**	0.488	0.017
121	1	0	32	148.3	106.1	0.9	0.02	0.09	0	1.96	**18.189**	2.302	0.137
123	1	0	32	336.5	237.9	0.9	0.02	0.09	0	3.04	**51.197**	**14.529**	1.985
135	1	0	32	130.2	93.5	0.9	0.02	0.09	0	1.85	**15.204**	1.723	0.092
146	1	0	32	81.4	59.3	0.9	0.02	0.09	0	1.56	**8.185**	0.658	0.025
146G	1	0	32	43.2	32.6	0.9	0.02	0.09	0	1.33	4.146	0.239	0.007
147	1	0	32	50.9	37.9	0.9	0.02	0.09	0	1.37	4.838	0.3	0.009
151	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
152	1	0	32	183.4	130.7	0.9	0.02	0.09	0	2.16	**24.364**	3.742	0.271
160	1	0	32	153.4	109.7	0.9	0.02	0.09	0	1.99	**19.054**	2.484	0.152
163	1	0	32	158.1	113	0.9	0.02	0.09	0	2.02	**19.873**	2.662	0.168
163G	1	0	32	222.8	158.3	0.9	0.02	0.09	0	2.39	**31.551**	**5.854**	0.513
164	1	0	32	118	84.9	0.9	0.02	0.09	0	1.78	**13.279**	1.39	0.069
167	1	0	32	71.4	52.3	0.9	0.02	0.09	0	1.5	**6.988**	0.518	0.018

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
168	1	0	32	365.9	258.4	0.9	0.02	0.09	0	3.21	**55.642**	**17.234**	2.589
169	1	0	32	262	185.7	0.9	0.02	0.09	0	2.62	**38.639**	**8.447**	0.876
169A	1	0	32	238.9	169.5	0.9	0.02	0.09	0	2.49	**34.481**	**6.861**	0.646
320new	1	0	32	555.7	391.3	0.9	0.02	0.09	0	4.24	**76.92**	**36.293**	**8.841**
216	1	0	32	310.2	219.4	0.9	0.02	0.09	0	2.89	**46.951**	**12.234**	1.526
1030	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002
170	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002
172U	1	0	32	294	208.1	0.9	0.02	0.09	0	2.8	**44.235**	**10.9**	1.281
174M	1	0	32	23.7	18.9	0.9	0.02	0.09	0	1.21	2.656	0.126	0.003
175	1	0	32	171.3	122.2	0.9	0.02	0.09	0	2.09	**22.189**	3.196	0.217
238G	1	0	32	47.1	35.3	0.9	0.02	0.09	0	1.35	4.491	0.269	0.008
238M	1	0	32	34.9	26.8	0.9	0.02	0.09	0	1.28	3.463	0.184	0.005
176G	1	0	32	140.1	100.4	0.9	0.02	0.09	0	1.91	**16.824**	2.028	0.115
176M	1	0	32	215.9	153.4	0.9	0.02	0.09	0	2.35	**30.28**	**5.444**	0.462
177	1	0	32	172.8	123.2	0.9	0.02	0.09	0	2.1	**22.453**	3.26	0.223
206	1	0	32	142.4	101.9	0.9	0.02	0.09	0	1.92	**17.19**	2.1	0.121
208	1	0	32	161.9	115.6	0.9	0.02	0.09	0	2.04	**20.53**	2.809	0.181
208AA	1	0	32	173.4	123.6	0.9	0.02	0.09	0	2.11	**22.556**	3.285	0.225
208BM	1	0	32	112.5	81.1	0.9	0.02	0.09	0	1.75	**12.457**	1.257	0.06
208G	1	0	32	92.1	66.7	0.9	0.02	0.09	0	1.62	**9.554**	0.833	0.034
209A	1	0	32	115.7	83.3	0.9	0.02	0.09	0	1.76	**12.934**	1.333	0.065
213	1	0	32	440.1	310.4	0.9	0.02	0.09	0	3.62	**65.466**	**24.544**	4.562
185	1	0	32	196.7	140	0.9	0.02	0.09	0	2.24	**26.763**	4.393	0.34
185G	1	0	32	71	52	0.9	0.02	0.09	0	1.5	**6.943**	0.513	0.018
186	1	0	32	242.3	171.9	0.9	0.02	0.09	0	2.51	**35.103**	**7.086**	0.677
1035	1	0	32	114.9	82.8	0.9	0.02	0.09	0	1.76	**12.82**	1.315	0.064
1036	1	0	32	76.8	56	0.9	0.02	0.09	0	1.53	**7.618**	0.59	0.022
1037	1	0	32	98.4	71.2	0.9	0.02	0.09	0	1.66	**10.424**	0.952	0.041
189	1	0	32	154.4	110.4	0.9	0.02	0.09	0	1.99	**19.24**	2.524	0.156
1060	1	0	32	127.8	91.8	0.9	0.02	0.09	0	1.84	**14.813**	1.653	0.087
192	1	0	32	262.5	186	0.9	0.02	0.09	0	2.62	**38.724**	**8.482**	0.881
1020	1	0	32	96.5	69.9	0.9	0.02	0.09	0	1.65	**10.16**	0.915	0.039
1021	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
193	1	0	32	140.2	100.4	0.9	0.02	0.09	0	1.91	**16.835**	2.03	0.115
194	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
218	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
201	1	0	32	447.1	315.3	0.9	0.02	0.09	0	3.66	**66.288**	**25.254**	4.781
201G	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
203	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
229	1	0	32	48.6	36.3	0.9	0.02	0.09	0	1.36	4.624	0.281	0.008
230G	1	0	32	80.1	58.4	0.9	0.02	0.09	0	1.55	**8.019**	0.638	0.024
196	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
231	1	0	32	125.5	90.1	0.9	0.02	0.09	0	1.82	**14.446**	1.588	0.082
231Lower	1	0	32	138	98.9	0.9	0.02	0.09	0	1.9	**16.463**	1.958	0.11
7	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
154	1	0	32	66.3	48.7	0.9	0.02	0.09	0	1.47	**6.418**	0.456	0.015
246	1	0	32	29.2	22.8	0.9	0.02	0.09	0	1.24	3.035	0.153	0.004

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
18	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
20	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
249	1	0	32	85.9	62.5	0.9	0.02	0.09	0	1.59	**8.755**	0.729	0.029
250	1	0	32	92.2	66.8	0.9	0.02	0.09	0	1.62	**9.569**	0.835	0.035
253	1	0	32	110	79.3	0.9	0.02	0.09	0	1.73	**12.077**	1.197	0.056
258	1	0	32	767.7	539.7	0.9	0.02	0.09	0	5.34	**88.997**	**55.549**	**19.477**
259	1	0	32	240.7	170.8	0.9	0.02	0.09	0	2.5	**34.805**	**6.978**	0.662
284M	1	0	32	152.7	109.2	0.9	0.02	0.09	0	1.98	**18.941**	2.46	0.15
285M	1	0	32	157.6	112.7	0.9	0.02	0.09	0	2.01	**19.794**	2.644	0.166
287	1	0	32	150.2	107.4	0.9	0.02	0.09	0	1.97	**18.514**	2.37	0.143
288	1	0	32	68.2	50	0.9	0.02	0.09	0	1.48	**6.618**	0.478	0.016
288G1	1	0	32	79.7	58.1	0.9	0.02	0.09	0	1.55	**7.967**	0.631	0.024
288G2	1	0	32	59.8	44.2	0.9	0.02	0.09	0	1.43	**5.724**	0.385	0.012
289G3	1	0	32	76.3	55.7	0.9	0.02	0.09	0	1.53	**7.558**	0.583	0.021
291	1	0	32	77.6	56.6	0.9	0.02	0.09	0	1.54	**7.711**	0.601	0.022
306	1	0	32	86.1	62.6	0.9	0.02	0.09	0	1.59	**8.778**	0.731	0.029
315	1	0	32	37.7	28.7	0.9	0.02	0.09	0	1.29	3.683	0.202	0.005
316	1	0	32	105.2	75.9	0.9	0.02	0.09	0	1.7	**11.375**	1.09	0.049
317	1	0	32	227.9	161.8	0.9	0.02	0.09	0	2.42	**32.478**	**6.163**	0.552
317M	1	0	32	494.8	348.7	0.9	0.02	0.09	0	3.91	**71.434**	**30.127**	**6.416**
318	1	0	32	452.2	318.9	0.9	0.02	0.09	0	3.68	**66.879**	**25.776**	4.944
319	1	0	32	505.5	356.2	0.9	0.02	0.09	0	3.97	**72.484**	**31.221**	**6.817**
319M	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
420	1	0	32	517.5	364.6	0.9	0.02	0.09	0	4.04	**73.616**	**32.444**	**7.279**
421	1	0	32	318.8	225.4	0.9	0.02	0.09	0	2.94	**48.356**	**12.964**	1.667
410	1	0	32	394	278.1	0.9	0.02	0.09	0	3.36	**59.608**	**19.943**	3.262
412	1	0	32	12.8	11.3	0.9	0.02	0.09	0	1.14	1.993	0.084	0.002
413	1	0	32	543.1	382.5	0.9	0.02	0.09	0	4.17	**75.88**	**35.034**	**8.312**
325	1	0	32	37.8	28.8	0.9	0.02	0.09	0	1.3	3.694	0.203	0.005
326	1	0	32	71.5	52.3	0.9	0.02	0.09	0	1.5	**6.992**	0.519	0.018
327	1	0	32	50	37.3	0.9	0.02	0.09	0	1.37	4.759	0.293	0.009
999G1	1	0	32	85.9	62.4	0.9	0.02	0.09	0	1.59	**8.75**	0.728	0.029
999M1	1	0	32	79.9	58.2	0.9	0.02	0.09	0	1.55	**7.993**	0.634	0.024
999M2	1	0	32	56.1	41.6	0.9	0.02	0.09	0	1.41	**5.345**	0.348	0.011
999M3	1	0	32	83.8	61	0.9	0.02	0.09	0	1.57	**8.482**	0.694	0.027
72	1	0	32	230.4	163.6	0.9	0.02	0.09	0	2.44	**32.935**	**6.319**	0.573
1001	1	0	32	408.4	288.1	0.9	0.02	0.09	0	3.44	**61.514**	**21.356**	3.64
401	1	0	32	1101.5	773.4	0.9	0.02	0.09	0	6.96	**96.338**	**75.942**	**38.379**
402	1	0	32	577.5	406.6	0.9	0.02	0.09	0	4.36	**78.631**	**38.469**	**9.798**
403	1	0	32	419.6	296	0.9	0.02	0.09	0	3.5	**62.953**	**22.475**	3.952
440	1	0	32	145.2	103.9	0.9	0.02	0.09	0	1.94	**17.666**	2.195	0.128
441	1	0	32	737.9	518.8	0.9	0.02	0.09	0	5.19	**87.808**	**53.131**	**17.841**
442	1	0	32	258.8	183.4	0.9	0.02	0.09	0	2.6	**38.07**	**8.219**	0.841
1005	1	0	32	112.1	80.8	0.9	0.02	0.09	0	1.74	**12.395**	1.247	0.059
1006	1	0	32	91.7	66.5	0.9	0.02	0.09	0	1.62	**9.503**	0.826	0.034
1007	1	0	32	51.9	38.6	0.9	0.02	0.09	0	1.38	4.933	0.309	0.009
1008	1	0	32	91.5	66.3	0.9	0.02	0.09	0	1.62	**9.478**	0.823	0.034

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
1010	1	0	32	110.8	79.8	0.9	0.02	0.09	0	1.73	**12.193**	1.215	0.057
1011	1	0	32	146.2	104.7	0.9	0.02	0.09	0	1.95	**17.841**	2.231	0.131
345	1	0	32	103.9	75	0.9	0.02	0.09	0	1.69	**11.196**	1.064	0.048
346	1	0	32	130.4	93.6	0.9	0.02	0.09	0	1.85	**15.234**	1.729	0.093
347	1	0	32	312.7	221.2	0.9	0.02	0.09	0	2.91	**47.362**	**12.445**	1.566
430	1	0	32	262	185.7	0.9	0.02	0.09	0	2.62	**38.639**	**8.447**	0.876
431	1	0	32	110.3	79.5	0.9	0.02	0.09	0	1.73	**12.119**	1.204	0.057
432	1	0	32	307.5	217.5	0.9	0.02	0.09	0	2.88	**46.496**	**12.004**	1.482
801	1	0	32	239.9	170.3	0.9	0.02	0.09	0	2.49	**34.673**	**6.93**	0.655
3000	1	0	32	26.6	20.9	0.9	0.02	0.09	0	1.23	2.853	0.14	0.003
3001	1	0	32	371	262	0.9	0.02	0.09	0	3.24	**56.384**	**17.719**	2.704
3003	1	0	32	294.5	208.5	0.9	0.02	0.09	0	2.81	**44.316**	**10.938**	1.288
3004	1	0	32	81.9	59.6	0.9	0.02	0.09	0	1.56	**8.243**	0.665	0.025
280	1	0	32	367.4	259.5	0.9	0.02	0.09	0	3.22	**55.859**	**17.375**	2.622
280yard	1	0	32	302.9	214.3	0.9	0.02	0.09	0	2.85	**45.73**	**11.622**	1.411
075-A1	1	0	32	70.1	51.4	0.9	0.02	0.09	0	1.49	**6.835**	0.501	0.018
075-H1	1	0	32	81.8	59.5	0.9	0.02	0.09	0	1.56	**8.225**	0.663	0.025
075-O1	1	0	32	265	187.8	0.9	0.02	0.09	0	2.64	**39.181**	**8.668**	0.91
076-G1	1	0	32	85	61.8	0.9	0.02	0.09	0	1.58	**8.631**	0.713	0.028
076-G2	1	0	32	95.1	68.8	0.9	0.02	0.09	0	1.64	**9.962**	0.888	0.038
076-H1	1	0	32	93.4	67.7	0.9	0.02	0.09	0	1.63	**9.734**	0.857	0.036
076-H2	1	0	32	91.4	66.3	0.9	0.02	0.09	0	1.62	**9.471**	0.822	0.034
076-N1	1	0	32	157.3	112.4	0.9	0.02	0.09	0	2.01	**19.74**	2.632	0.165
077-A1	1	0	32	32.2	24.9	0.9	0.02	0.09	0	1.26	3.256	0.169	0.004
077-A2	1	0	32	31.3	24.2	0.9	0.02	0.09	0	1.26	3.188	0.164	0.004
077-G1	1	0	32	28.4	22.2	0.9	0.02	0.09	0	1.24	2.98	0.149	0.004
077-H1	1	0	32	36.3	27.7	0.9	0.02	0.09	0	1.29	3.574	0.193	0.005
077-H2	1	0	32	37.2	28.3	0.9	0.02	0.09	0	1.29	3.641	0.198	0.005
077-N1	1	0	32	34.8	26.6	0.9	0.02	0.09	0	1.28	3.449	0.183	0.005
078-G1	1	0	32	37.9	28.9	0.9	0.02	0.09	0	1.3	3.702	0.203	0.005
078-H1	1	0	32	24.6	19.5	0.9	0.02	0.09	0	1.21	2.715	0.13	0.003
078-N1	1	0	32	26.8	21.1	0.9	0.02	0.09	0	1.23	2.868	0.141	0.003
078-O1	1	0	32	32	24.7	0.9	0.02	0.09	0	1.26	3.244	0.168	0.004
079-H1	1	0	32	69.8	51.2	0.9	0.02	0.09	0	1.49	**6.806**	0.498	0.017
079-H2	1	0	32	121.7	87.5	0.9	0.02	0.09	0	1.8	**13.857**	1.487	0.075
080-H1	1	0	32	23.7	18.9	0.9	0.02	0.09	0	1.21	2.653	0.126	0.003
081-A1	1	0	32	36.3	27.7	0.9	0.02	0.09	0	1.29	3.567	0.193	0.005
081-H1	1	0	32	45.5	34.1	0.9	0.02	0.09	0	1.34	4.343	0.256	0.007
081-O1	1	0	32	126.2	90.6	0.9	0.02	0.09	0	1.83	**14.561**	1.608	0.084
082-G1	1	0	32	22.8	18.3	0.9	0.02	0.09	0	1.2	2.596	0.122	0.003
082-G2	1	0	32	41.1	31	0.9	0.02	0.09	0	1.31	3.959	0.224	0.006
082-H1	1	0	32	41.8	31.5	0.9	0.02	0.09	0	1.32	4.019	0.229	0.006
082-N1	1	0	32	35.4	27.1	0.9	0.02	0.09	0	1.28	3.501	0.187	0.005
082-N2	1	0	32	42.9	32.3	0.9	0.02	0.09	0	1.33	4.117	0.237	0.007
083-G1	1	0	32	35.4	27.1	0.9	0.02	0.09	0	1.28	3.501	0.187	0.005
083-G2	1	0	32	30.6	23.7	0.9	0.02	0.09	0	1.25	3.138	0.16	0.004
083-H1	1	0	32	44.4	33.4	0.9	0.02	0.09	0	1.33	4.246	0.248	0.007

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
084-H1	1	0	32	37.5	28.6	0.9	0.02	0.09	0	1.29	3.668	0.201	0.005
085-H1	1	0	32	60	44.3	0.9	0.02	0.09	0	1.43	**5.744**	0.387	0.012
085-O1	1	0	32	79.7	58.1	0.9	0.02	0.09	0	1.55	**7.968**	0.631	0.024
085-P1	1	0	32	157.2	112.3	0.9	0.02	0.09	0	2.01	**19.72**	2.628	0.165
086-G1	1	0	32	72.1	52.8	0.9	0.02	0.09	0	1.5	**7.07**	0.527	0.019
086-H1	1	0	32	60.8	44.9	0.9	0.02	0.09	0	1.43	**5.826**	0.395	0.013
086-H2	1	0	32	92.5	67.1	0.9	0.02	0.09	0	1.63	**9.62**	0.842	0.035
087-H1	1	0	32	51.6	38.4	0.9	0.02	0.09	0	1.38	4.907	0.306	0.009
087-O1	1	0	32	92.5	67.1	0.9	0.02	0.09	0	1.63	**9.62**	0.842	0.035
088-H1	1	0	32	184.3	131.3	0.9	0.02	0.09	0	2.17	**24.511**	3.78	0.274
088-H2	1	0	32	159	113.6	0.9	0.02	0.09	0	2.02	**20.032**	2.697	0.171
088-O1	1	0	32	136.3	97.7	0.9	0.02	0.09	0	1.89	**16.188**	1.906	0.106
089-A1	1	0	32	80.4	58.6	0.9	0.02	0.09	0	1.55	**8.061**	0.643	0.024
089-H1	1	0	32	95.1	68.8	0.9	0.02	0.09	0	1.64	**9.962**	0.888	0.038
089-O1	1	0	32	60.3	44.5	0.9	0.02	0.09	0	1.43	**5.773**	0.39	0.013
090-H1	1	0	32	95.3	69	0.9	0.02	0.09	0	1.64	**10**	0.893	0.038
090-O2	1	0	32	157.3	112.4	0.9	0.02	0.09	0	2.01	**19.74**	2.632	0.165
091-G1	1	0	32	81.3	59.2	0.9	0.02	0.09	0	1.56	**8.166**	0.655	0.025
091-H1	1	0	32	56	41.5	0.9	0.02	0.09	0	1.41	**5.333**	0.346	0.011
092-O1	1	0	32	180.3	128.5	0.9	0.02	0.09	0	2.15	**23.805**	3.597	0.256
092-O2	1	0	32	101.8	73.6	0.9	0.02	0.09	0	1.68	**10.896**	1.02	0.045
093-H1	1	0	32	67.9	49.8	0.9	0.02	0.09	0	1.48	**6.586**	0.474	0.016
094-H1	1	0	32	80.2	58.4	0.9	0.02	0.09	0	1.55	**8.027**	0.638	0.024
094-P1	1	0	32	77.1	56.3	0.9	0.02	0.09	0	1.53	**7.658**	0.595	0.022
095-A1	1	0	32	174.1	124.2	0.9	0.02	0.09	0	2.11	**22.7**	3.321	0.229
095-H1	1	0	32	118.6	85.3	0.9	0.02	0.09	0	1.78	**13.381**	1.407	0.07
095-O1	1	0	32	149.1	106.7	0.9	0.02	0.09	0	1.96	**18.334**	2.332	0.14
095-O2	1	0	32	177.5	126.6	0.9	0.02	0.09	0	2.13	**23.301**	3.47	0.243
096-H1	1	0	32	179.2	127.7	0.9	0.02	0.09	0	2.14	**23.603**	3.546	0.251
096-O1	1	0	32	313.4	221.7	0.9	0.02	0.09	0	2.91	**47.472**	**12.502**	1.577
097-H1	1	0	32	142.2	101.8	0.9	0.02	0.09	0	1.92	**17.162**	2.094	0.12
097-H2	1	0	32	117.8	84.8	0.9	0.02	0.09	0	1.78	**13.251**	1.385	0.068
098-G1	1	0	32	36.3	27.7	0.9	0.02	0.09	0	1.29	3.574	0.193	0.005
098-H1	1	0	32	34.4	26.4	0.9	0.02	0.09	0	1.27	3.423	0.181	0.005
098-O1	1	0	32	22.7	18.2	0.9	0.02	0.09	0	1.2	2.59	0.122	0.003
099-A1	1	0	32	56.5	41.8	0.9	0.02	0.09	0	1.41	**5.378**	0.351	0.011
099-G2	1	0	32	63.3	46.7	0.9	0.02	0.09	0	1.45	**6.093**	0.422	0.014
099-H1	1	0	32	144.4	103.4	0.9	0.02	0.09	0	1.93	**17.538**	2.169	0.126
099-O1	1	0	32	170.7	121.8	0.9	0.02	0.09	0	2.09	**22.082**	3.171	0.214
100-G1	1	0	32	46.1	34.6	0.9	0.02	0.09	0	1.35	4.398	0.261	0.007
100-H1	1	0	32	140.6	100.7	0.9	0.02	0.09	0	1.91	**16.894**	2.042	0.116
100-N1	1	0	32	88.4	64.2	0.9	0.02	0.09	0	1.6	**9.071**	0.769	0.031
100-N2	1	0	32	73.6	53.8	0.9	0.02	0.09	0	1.51	**7.239**	0.546	0.02
100-O1	1	0	32	138.4	99.2	0.9	0.02	0.09	0	1.9	**16.541**	1.973	0.111
101-G1	1	0	32	50.7	37.8	0.9	0.02	0.09	0	1.37	4.822	0.299	0.009
101-H1	1	0	32	131.5	94.4	0.9	0.02	0.09	0	1.86	**15.413**	1.761	0.095
101-O1	1	0	32	209.4	148.9	0.9	0.02	0.09	0	2.32	**29.099**	**5.078**	0.418

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
102-G1	1	0	32	56.5	41.8	0.9	0.02	0.09	0	1.41	**5.378**	0.351	0.011
102-H1	1	0	32	29.9	23.3	0.9	0.02	0.09	0	1.25	3.087	0.156	0.004
103-H1	1	0	32	118	84.9	0.9	0.02	0.09	0	1.78	**13.278**	1.39	0.069
103-O1	1	0	32	99	71.6	0.9	0.02	0.09	0	1.66	**10.503**	0.964	0.042
104-H1	1	0	32	182.1	129.8	0.9	0.02	0.09	0	2.16	**24.124**	3.679	0.264
104-H2	1	0	32	165.1	117.8	0.9	0.02	0.09	0	2.06	**21.09**	2.937	0.193
104-N1	1	0	32	149.8	107.2	0.9	0.02	0.09	0	1.97	**18.446**	2.355	0.142
105-H1	1	0	32	105.8	76.3	0.9	0.02	0.09	0	1.7	**11.46**	1.103	0.05
105-P1	1	0	32	217.3	154.4	0.9	0.02	0.09	0	2.36	**30.529**	**5.523**	0.471
106-G1	1	0	32	28.4	22.2	0.9	0.02	0.09	0	1.24	2.98	0.149	0.004
106-G2	1	0	32	28.5	22.3	0.9	0.02	0.09	0	1.24	2.986	0.149	0.004
106-H1	1	0	32	18.6	15.3	0.9	0.02	0.09	0	1.18	2.33	0.105	0.002
106-O1	1	0	32	24.9	19.7	0.9	0.02	0.09	0	1.22	2.735	0.131	0.003
107-H1	1	0	32	233.9	166	0.9	0.02	0.09	0	2.46	**33.571**	**6.539**	0.602
108-H1	1	0	32	72.8	53.2	0.9	0.02	0.09	0	1.51	**7.144**	0.536	0.019
108-O1	1	0	32	119.5	85.9	0.9	0.02	0.09	0	1.79	**13.51**	1.428	0.071
108-O2	1	0	32	53.9	40	0.9	0.02	0.09	0	1.39	**5.126**	0.327	0.01
109-H1	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002
110-A1	1	0	32	91.7	66.5	0.9	0.02	0.09	0	1.62	**9.508**	0.827	0.034
110-G1	1	0	32	67.7	49.7	0.9	0.02	0.09	0	1.48	**6.571**	0.472	0.016
110-G2	1	0	32	30.8	23.9	0.9	0.02	0.09	0	1.25	3.15	0.161	0.004
110-H1	1	0	32	58.8	43.5	0.9	0.02	0.09	0	1.42	**5.617**	0.374	0.012
110-O1	1	0	32	46.1	34.5	0.9	0.02	0.09	0	1.35	4.395	0.261	0.007
110-O2	1	0	32	80.7	58.8	0.9	0.02	0.09	0	1.55	**8.093**	0.646	0.025
111-H1	1	0	32	41.9	31.6	0.9	0.02	0.09	0	1.32	4.033	0.23	0.006
112-G1	1	0	32	97.3	70.4	0.9	0.02	0.09	0	1.65	**10.271**	0.931	0.04
112-H1	1	0	32	85.4	62.1	0.9	0.02	0.09	0	1.58	**8.687**	0.72	0.028
112-O1	1	0	32	296.9	210.1	0.9	0.02	0.09	0	2.82	**44.721**	**11.131**	1.322
113-G1	1	0	32	171.6	122.4	0.9	0.02	0.09	0	2.1	**22.251**	3.211	0.218
113-G2	1	0	32	190.1	135.4	0.9	0.02	0.09	0	2.2	**25.578**	4.064	0.304
113-G3	1	0	32	76.3	55.7	0.9	0.02	0.09	0	1.53	**7.561**	0.583	0.021
113-O1	1	0	32	122.8	88.3	0.9	0.02	0.09	0	1.81	**14.031**	1.516	0.077
114-G1	1	0	32	292.8	207.2	0.9	0.02	0.09	0	2.8	**44.019**	**10.798**	1.263
114-H1	1	0	32	327.3	231.4	0.9	0.02	0.09	0	2.99	**49.728**	**13.705**	1.814
114-O1	1	0	32	263	186.4	0.9	0.02	0.09	0	2.63	**38.82**	**8.521**	0.887
115-O1	1	0	32	394.7	278.6	0.9	0.02	0.09	0	3.37	**59.704**	**20.013**	3.28
116-O1	1	0	32	135.7	97.3	0.9	0.02	0.09	0	1.88	**16.095**	1.888	0.104
117-O1	1	0	32	15.8	13.4	0.9	0.02	0.09	0	1.16	2.166	0.094	0.002
118-G1	1	0	32	26.3	20.7	0.9	0.02	0.09	0	1.22	2.833	0.138	0.003
118-G2	1	0	32	21.9	17.6	0.9	0.02	0.09	0	1.2	2.534	0.118	0.003
118-H1	1	0	32	21.9	17.6	0.9	0.02	0.09	0	1.2	2.536	0.118	0.003
118-N1	1	0	32	47.1	35.3	0.9	0.02	0.09	0	1.35	4.488	0.269	0.008
118-N2	1	0	32	76.2	55.7	0.9	0.02	0.09	0	1.53	**7.551**	0.582	0.021
119-P1	1	0	32	275.8	195.4	0.9	0.02	0.09	0	2.7	**41.086**	**9.473**	1.038
120-A1	1	0	32	57.4	42.5	0.9	0.02	0.09	0	1.41	**5.473**	0.36	0.011
120-G1	1	0	32	55.1	40.8	0.9	0.02	0.09	0	1.4	**5.24**	0.338	0.01
120-H1	1	0	32	58.4	43.2	0.9	0.02	0.09	0	1.42	**5.571**	0.37	0.012

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
120-O1	1	0	32	93.3	67.6	0.9	0.02	0.09	0	1.63	**9.721**	0.855	0.036
121-G1	1	0	32	31.1	24.1	0.9	0.02	0.09	0	1.25	3.175	0.163	0.004
121-H1	1	0	32	44.1	33.2	0.9	0.02	0.09	0	1.33	4.221	0.246	0.007
121-N1	1	0	32	21.6	17.4	0.9	0.02	0.09	0	1.2	2.52	0.117	0.003
121-N2	1	0	32	39.1	29.7	0.9	0.02	0.09	0	1.3	3.798	0.211	0.006
122-G1	1	0	32	65.4	48.1	0.9	0.02	0.09	0	1.46	**6.311**	0.445	0.015
122-G2	1	0	32	58.7	43.4	0.9	0.02	0.09	0	1.42	**5.608**	0.373	0.012
122-H1	1	0	32	114.4	82.4	0.9	0.02	0.09	0	1.76	**12.74**	1.302	0.063
122-H2	1	0	32	66.5	48.8	0.9	0.02	0.09	0	1.47	**6.43**	0.457	0.016
122-O1	1	0	32	167.4	119.5	0.9	0.02	0.09	0	2.07	**21.506**	3.034	0.201
122-O2	1	0	32	244.8	173.7	0.9	0.02	0.09	0	2.52	**35.558**	**7.254**	0.7
122-P1	1	0	32	320.9	226.9	0.9	0.02	0.09	0	2.95	**48.704**	**13.15**	1.703
123-G1	1	0	32	80.8	58.9	0.9	0.02	0.09	0	1.56	**8.114**	0.649	0.025
123-G2	1	0	32	93.1	67.5	0.9	0.02	0.09	0	1.63	**9.696**	0.852	0.035
123-H1	1	0	32	72.4	53	0.9	0.02	0.09	0	1.5	**7.106**	0.531	0.019
123-O1	1	0	32	101	73	0.9	0.02	0.09	0	1.68	**10.777**	1.003	0.044
123-O2	1	0	32	220.4	156.6	0.9	0.02	0.09	0	2.38	**31.111**	**5.71**	0.495
124-G1	1	0	32	28	21.9	0.9	0.02	0.09	0	1.24	2.95	0.146	0.004
124-G2	1	0	32	76.6	55.9	0.9	0.02	0.09	0	1.53	**7.598**	0.588	0.022
124-H1	1	0	32	35.1	26.9	0.9	0.02	0.09	0	1.28	3.475	0.185	0.005
124-N1	1	0	32	27.6	21.6	0.9	0.02	0.09	0	1.23	2.921	0.144	0.003
124-N2	1	0	32	8.5	8.3	0.9	0.02	0.09	0	1.12	1.766	0.071	0.001
124-O1	1	0	32	76.6	55.9	0.9	0.02	0.09	0	1.53	**7.591**	0.587	0.022
125-O1	1	0	32	70	51.3	0.9	0.02	0.09	0	1.49	**6.829**	0.5	0.017
126-A1	1	0	32	64.8	47.7	0.9	0.02	0.09	0	1.46	**6.247**	0.438	0.015
126-G1	1	0	32	49	36.6	0.9	0.02	0.09	0	1.36	4.665	0.285	0.008
126-G2	1	0	32	42.2	31.8	0.9	0.02	0.09	0	1.32	4.052	0.232	0.006
126-H1	1	0	32	22	17.7	0.9	0.02	0.09	0	1.2	2.547	0.119	0.003
126-O1	1	0	32	48.8	36.5	0.9	0.02	0.09	0	1.36	4.642	0.283	0.008
126-O2	1	0	32	25.4	20.1	0.9	0.02	0.09	0	1.22	2.77	0.134	0.003
126-O3	1	0	32	50	37.3	0.9	0.02	0.09	0	1.37	4.751	0.292	0.009
126-P1	1	0	32	28.1	22	0.9	0.02	0.09	0	1.24	2.958	0.147	0.004
127-A1	1	0	32	117.8	84.8	0.9	0.02	0.09	0	1.78	**13.251**	1.385	0.068
127-G1	1	0	32	63.2	46.5	0.9	0.02	0.09	0	1.45	**6.075**	0.42	0.014
127-G2	1	0	32	64.9	47.7	0.9	0.02	0.09	0	1.46	**6.256**	0.439	0.015
127-H1	1	0	32	96.8	70	0.9	0.02	0.09	0	1.65	**10.192**	0.92	0.039
127-H2	1	0	32	42.5	32	0.9	0.02	0.09	0	1.32	4.081	0.234	0.006
127-N1	1	0	32	118.3	85.1	0.9	0.02	0.09	0	1.78	**13.337**	1.399	0.069
128-G1	1	0	32	37	28.2	0.9	0.02	0.09	0	1.29	3.623	0.197	0.005
128-G2	1	0	32	68.6	50.3	0.9	0.02	0.09	0	1.48	**6.662**	0.482	0.017
128-G3	1	0	32	39.9	30.3	0.9	0.02	0.09	0	1.31	3.865	0.216	0.006
128-N1	1	0	32	120.3	86.5	0.9	0.02	0.09	0	1.79	**13.644**	1.451	0.073
128-O1	1	0	32	69.2	50.8	0.9	0.02	0.09	0	1.49	**6.737**	0.49	0.017
129-H1	1	0	32	297.1	210.3	0.9	0.02	0.09	0	2.82	**44.758**	**11.149**	1.326
129-H2	1	0	32	335.8	237.4	0.9	0.02	0.09	0	3.04	**51.081**	**14.463**	1.971
130-G1	1	0	32	37.3	28.4	0.9	0.02	0.09	0	1.29	3.65	0.199	0.005
130-H1	1	0	32	17.8	14.7	0.9	0.02	0.09	0	1.17	2.28	0.101	0.002

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
130-H2	1	0	32	53.1	39.5	0.9	0.02	0.09	0	1.39	**5.047**	0.319	0.01
131-H1	1	0	32	135.4	97.1	0.9	0.02	0.09	0	1.88	**16.05**	1.88	0.104
132-G1	1	0	32	18.4	15.2	0.9	0.02	0.09	0	1.18	2.32	0.104	0.002
132-G2	1	0	32	7.5	7.5	0.9	0.02	0.09	0	1.11	1.715	0.068	0.001
132-H1	1	0	32	28.6	22.3	0.9	0.02	0.09	0	1.24	2.99	0.149	0.004
132-O1	1	0	32	33.2	25.6	0.9	0.02	0.09	0	1.27	3.332	0.175	0.004
133-G1	1	0	32	156.6	111.9	0.9	0.02	0.09	0	2.01	**19.604**	2.603	0.163
133-H1	1	0	32	107.9	77.8	0.9	0.02	0.09	0	1.72	**11.775**	1.151	0.053
134-O1	1	0	32	580.4	408.6	0.9	0.02	0.09	0	4.37	**78.844**	**38.75**	**9.925**
135-G1	1	0	32	116.1	83.6	0.9	0.02	0.09	0	1.77	**12.998**	1.344	0.066
135-H1	1	0	32	169.3	120.8	0.9	0.02	0.09	0	2.08	**21.842**	3.113	0.209
135-O1	1	0	32	113.9	82.1	0.9	0.02	0.09	0	1.75	**12.669**	1.291	0.062
136-A1	1	0	32	27.3	21.4	0.9	0.02	0.09	0	1.23	2.897	0.143	0.003
136-G1	1	0	32	25	19.8	0.9	0.02	0.09	0	1.22	2.741	0.132	0.003
136-H1	1	0	32	34.3	26.4	0.9	0.02	0.09	0	1.27	3.418	0.181	0.005
136-O1	1	0	32	204.6	145.5	0.9	0.02	0.09	0	2.29	**28.208**	4.81	0.387
137-O1	1	0	32	180.6	128.7	0.9	0.02	0.09	0	2.15	**23.854**	3.61	0.257
137-O2	1	0	32	122	87.7	0.9	0.02	0.09	0	1.8	**13.9**	1.494	0.076
138-G1	1	0	32	35.5	27.1	0.9	0.02	0.09	0	1.28	3.508	0.188	0.005
138-G2	1	0	32	48.1	36	0.9	0.02	0.09	0	1.36	4.58	0.277	0.008
138-H1	1	0	32	28.5	22.3	0.9	0.02	0.09	0	1.24	2.986	0.149	0.004
138-O1	1	0	32	24.4	19.4	0.9	0.02	0.09	0	1.21	2.702	0.129	0.003
138-O2	1	0	32	45.5	34.1	0.9	0.02	0.09	0	1.34	4.343	0.256	0.007
139-G1	1	0	32	46.7	35	0.9	0.02	0.09	0	1.35	4.45	0.266	0.008
139-G2	1	0	32	39.6	30	0.9	0.02	0.09	0	1.31	3.84	0.214	0.006
139-H1	1	0	32	42.7	32.2	0.9	0.02	0.09	0	1.32	4.098	0.235	0.007
139-N1	1	0	32	45.5	34.2	0.9	0.02	0.09	0	1.34	4.345	0.256	0.007
140-G1	1	0	32	263	186.4	0.9	0.02	0.09	0	2.63	**38.83**	**8.525**	0.888
140-H1	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002
140-O1	1	0	32	494.1	348.2	0.9	0.02	0.09	0	3.91	**71.363**	**30.055**	**6.39**
140-O2	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002
141-A1	1	0	32	39	29.6	0.9	0.02	0.09	0	1.3	3.785	0.21	0.006
141-H1	1	0	32	68.6	50.3	0.9	0.02	0.09	0	1.48	**6.671**	0.483	0.017
141-H2	1	0	32	80.4	58.6	0.9	0.02	0.09	0	1.55	**8.061**	0.643	0.024
141-H3	1	0	32	65.1	47.9	0.9	0.02	0.09	0	1.46	**6.283**	0.442	0.015
141-N1	1	0	32	29.5	22.9	0.9	0.02	0.09	0	1.24	3.052	0.154	0.004
141-N2	1	0	32	41.7	31.5	0.9	0.02	0.09	0	1.32	4.016	0.229	0.006
141-N3	1	0	32	12.4	11	0.9	0.02	0.09	0	1.14	1.975	0.083	0.002
141-N4	1	0	32	38.4	29.1	0.9	0.02	0.09	0	1.3	3.736	0.206	0.005
141-O1	1	0	32	43.9	33	0.9	0.02	0.09	0	1.33	4.204	0.244	0.007
142-H1	1	0	32	97.6	70.6	0.9	0.02	0.09	0	1.66	**10.307**	0.936	0.04
142-O1	1	0	32	69.2	50.7	0.9	0.02	0.09	0	1.48	**6.731**	0.49	0.017
143-A1	1	0	32	52	38.7	0.9	0.02	0.09	0	1.38	4.942	0.31	0.009
143-G1	1	0	32	65.9	48.5	0.9	0.02	0.09	0	1.47	**6.372**	0.451	0.015
143-G2	1	0	32	46.9	35.1	0.9	0.02	0.09	0	1.35	4.465	0.267	0.008
143-H1	1	0	32	70.6	51.7	0.9	0.02	0.09	0	1.49	**6.893**	0.507	0.018
144-G1	1	0	32	98.6	71.3	0.9	0.02	0.09	0	1.66	**10.443**	0.955	0.041

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
144-H1	1	0	32	140.5	100.7	0.9	0.02	0.09	0	1.91	**16.882**	2.039	0.116
145-A1	1	0	32	61.4	45.3	0.9	0.02	0.09	0	1.44	**5.884**	0.401	0.013
145-H1	1	0	32	159.9	114.2	0.9	0.02	0.09	0	2.03	**20.178**	2.729	0.174
146-H1	1	0	32	1802.4	1264	0.9	0.02	0.09	0	10.01	**99.484**	**93.028**	**68.364**
147-G1	1	0	32	59.7	44	0.9	0.02	0.09	0	1.43	**5.703**	0.383	0.012
147-G2	1	0	32	85	61.8	0.9	0.02	0.09	0	1.58	**8.631**	0.713	0.028
147-H1	1	0	32	83.3	60.6	0.9	0.02	0.09	0	1.57	**8.418**	0.686	0.027
148-H1	1	0	32	48.3	36.1	0.9	0.02	0.09	0	1.36	4.601	0.279	0.008
148-O1	1	0	32	61.7	45.5	0.9	0.02	0.09	0	1.44	**5.914**	0.404	0.013
148-O3	1	0	32	105.2	75.9	0.9	0.02	0.09	0	1.7	**11.376**	1.091	0.049
149-A1	1	0	32	46.5	34.8	0.9	0.02	0.09	0	1.35	4.433	0.264	0.008
149-G1	1	0	32	49	36.6	0.9	0.02	0.09	0	1.36	4.658	0.284	0.008
149-G2	1	0	32	54.4	40.4	0.9	0.02	0.09	0	1.4	**5.178**	0.332	0.01
149-H1	1	0	32	73.2	53.5	0.9	0.02	0.09	0	1.51	**7.193**	0.541	0.019
149-N1	1	0	32	34.4	26.4	0.9	0.02	0.09	0	1.27	3.423	0.181	0.005
150-G1	1	0	32	43.8	32.9	0.9	0.02	0.09	0	1.33	4.19	0.243	0.007
150-H1	1	0	32	37.9	28.9	0.9	0.02	0.09	0	1.3	3.702	0.203	0.005
151-H1	1	0	32	101.2	73.2	0.9	0.02	0.09	0	1.68	**10.817**	1.008	0.045
152-G1	1	0	32	114	82.1	0.9	0.02	0.09	0	1.75	**12.675**	1.292	0.062
152-H1	1	0	32	165.7	118.3	0.9	0.02	0.09	0	2.06	**21.209**	2.964	0.195
153-G1	1	0	32	105.6	76.3	0.9	0.02	0.09	0	1.7	**11.445**	1.101	0.05
153-H1	1	0	32	282.2	199.9	0.9	0.02	0.09	0	2.74	**42.201**	**9.964**	1.12
153-O1	1	0	32	222.5	158.1	0.9	0.02	0.09	0	2.39	**31.49**	**5.834**	0.51
153-O2	1	0	32	372.5	263.1	0.9	0.02	0.09	0	3.24	**56.602**	**17.863**	2.739
153-O3	1	0	32	220.4	156.6	0.9	0.02	0.09	0	2.38	**31.114**	**5.711**	0.495
153-O5	1	0	32	304.6	215.5	0.9	0.02	0.09	0	2.86	**46.013**	**11.762**	1.437
153-O6	1	0	32	101.9	73.6	0.9	0.02	0.09	0	1.68	**10.912**	1.022	0.045
153-O7	1	0	32	361	255	0.9	0.02	0.09	0	3.18	**54.925**	**16.775**	2.482
153-P1	1	0	32	280.1	198.4	0.9	0.02	0.09	0	2.72	**41.829**	**9.799**	1.092
154-G1	1	0	32	21.4	17.3	0.9	0.02	0.09	0	1.19	2.504	0.116	0.003
154-H1	1	0	32	21.8	17.5	0.9	0.02	0.09	0	1.2	2.53	0.118	0.003
155-G1	1	0	32	139.7	100.1	0.9	0.02	0.09	0	1.91	**16.742**	2.012	0.114
155-G2	1	0	32	91.7	66.5	0.9	0.02	0.09	0	1.62	**9.508**	0.827	0.034
155-H1	1	0	32	52.4	39	0.9	0.02	0.09	0	1.38	4.982	0.313	0.009
155-H2	1	0	32	168.3	120.1	0.9	0.02	0.09	0	2.08	**21.653**	3.069	0.205
155-O2	1	0	32	270.9	191.9	0.9	0.02	0.09	0	2.67	**40.222**	**9.103**	0.979
156-H1	1	0	32	81.7	59.5	0.9	0.02	0.09	0	1.56	**8.217**	0.662	0.025
156-O1	1	0	32	145.8	104.4	0.9	0.02	0.09	0	1.94	**17.774**	2.217	0.13
157-G1	1	0	32	41.7	31.5	0.9	0.02	0.09	0	1.32	4.009	0.228	0.006
157-H1	1	0	32	92.5	67.1	0.9	0.02	0.09	0	1.63	**9.62**	0.842	0.035
157-H2	1	0	32	63.1	46.5	0.9	0.02	0.09	0	1.45	**6.066**	0.419	0.014
157-O1	1	0	32	67.1	49.3	0.9	0.02	0.09	0	1.47	**6.502**	0.465	0.016
158-H1	1	0	32	33.8	26	0.9	0.02	0.09	0	1.27	3.377	0.178	0.005
158-O1	1	0	32	51.2	38.1	0.9	0.02	0.09	0	1.38	4.862	0.302	0.009
159-G1	1	0	32	70.3	51.5	0.9	0.02	0.09	0	1.49	**6.863**	0.504	0.018
159-H1	1	0	32	59.6	44	0.9	0.02	0.09	0	1.43	**5.7**	0.382	0.012
159-H2	1	0	32	101	73	0.9	0.02	0.09	0	1.68	**10.777**	1.003	0.044

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
159-O1	1	0	32	44.3	33.3	0.9	0.02	0.09	0	1.33	4.234	0.247	0.007
159-O2	1	0	32	51.2	38.2	0.9	0.02	0.09	0	1.38	4.871	0.303	0.009
160-G1	1	0	32	130.4	93.6	0.9	0.02	0.09	0	1.85	**15.231**	1.728	0.092
160-H1	1	0	32	80.3	58.5	0.9	0.02	0.09	0	1.55	**8.04**	0.64	0.024
160-H2	1	0	32	75.1	54.8	0.9	0.02	0.09	0	1.52	**7.411**	0.566	0.021
161-H1	1	0	32	129.6	93	0.9	0.02	0.09	0	1.85	**15.096**	1.704	0.091
161-N1	1	0	32	100.7	72.8	0.9	0.02	0.09	0	1.67	**10.737**	0.997	0.044
162-H1	1	0	32	80.7	58.8	0.9	0.02	0.09	0	1.55	**8.1**	0.647	0.025
163-G1	1	0	32	53	39.4	0.9	0.02	0.09	0	1.39	**5.039**	0.319	0.01
163-O1	1	0	32	71	52	0.9	0.02	0.09	0	1.5	**6.941**	0.513	0.018
164-H1	1	0	32	130.1	93.4	0.9	0.02	0.09	0	1.85	**15.187**	1.72	0.092
165-H1	1	0	32	13.2	11.6	0.9	0.02	0.09	0	1.14	2.018	0.085	0.002
165-O1	1	0	32	62.6	46.2	0.9	0.02	0.09	0	1.45	**6.017**	0.414	0.014
166-O1	1	0	32	254.2	180.2	0.9	0.02	0.09	0	2.57	**37.245**	**7.894**	0.793
167-O1	1	0	32	99.3	71.8	0.9	0.02	0.09	0	1.67	**10.541**	0.969	0.042
167-O2	1	0	32	154.5	110.5	0.9	0.02	0.09	0	1.99	**19.255**	2.527	0.156
167-O3	1	0	32	223.8	158.9	0.9	0.02	0.09	0	2.4	**31.726**	**5.912**	0.52
167-O4	1	0	32	175.9	125.4	0.9	0.02	0.09	0	2.12	**23.012**	3.398	0.236
167-O5	1	0	32	224.2	159.2	0.9	0.02	0.09	0	2.4	**31.802**	**5.937**	0.523
167-O6	1	0	32	246.5	174.9	0.9	0.02	0.09	0	2.53	**35.862**	**7.367**	0.716
167-O7	1	0	32	397.1	280.3	0.9	0.02	0.09	0	3.38	**60.023**	**20.245**	3.341
167-O8	1	0	32	205.3	146	0.9	0.02	0.09	0	2.29	**28.338**	4.849	0.391
167-O9	1	0	32	196.9	140.1	0.9	0.02	0.09	0	2.24	**26.802**	4.404	0.341
168-G1	1	0	32	37.5	28.6	0.9	0.02	0.09	0	1.29	3.668	0.201	0.005
168-G2	1	0	32	38	28.9	0.9	0.02	0.09	0	1.3	3.709	0.204	0.005
168-H1	1	0	32	28.8	22.4	0.9	0.02	0.09	0	1.24	3.004	0.15	0.004
168-N1	1	0	32	32.7	25.2	0.9	0.02	0.09	0	1.26	3.294	0.172	0.004
168-O1	1	0	32	48.2	36	0.9	0.02	0.09	0	1.36	4.588	0.278	0.008
169-G2	1	0	32	36.5	27.9	0.9	0.02	0.09	0	1.29	3.588	0.194	0.005
169-G3	1	0	32	54.8	40.6	0.9	0.02	0.09	0	1.4	**5.211**	0.335	0.01
169-G4	1	0	32	52.3	38.9	0.9	0.02	0.09	0	1.38	4.966	0.312	0.009
169-H1	1	0	32	41.5	31.3	0.9	0.02	0.09	0	1.32	3.995	0.227	0.006
170-G1	1	0	32	47.3	35.4	0.9	0.02	0.09	0	1.35	4.504	0.27	0.008
170-G2	1	0	32	116.9	84.2	0.9	0.02	0.09	0	1.77	**13.123**	1.364	0.067
170-H1	1	0	32	77	56.2	0.9	0.02	0.09	0	1.53	**7.649**	0.594	0.022
171-A1	1	0	32	155.6	111.3	0.9	0.02	0.09	0	2	**19.448**	2.569	0.16
171-G1	1	0	32	240.6	170.7	0.9	0.02	0.09	0	2.5	**34.795**	**6.974**	0.661
171-H1	1	0	32	233.5	165.7	0.9	0.02	0.09	0	2.46	**33.498**	**6.513**	0.598
173-G1	1	0	32	49.2	36.8	0.9	0.02	0.09	0	1.36	4.681	0.286	0.008
173-G2	1	0	32	17	14.2	0.9	0.02	0.09	0	1.17	2.234	0.099	0.002
173-G3	1	0	32	86.7	63	0.9	0.02	0.09	0	1.59	**8.847**	0.74	0.029
173-G4	1	0	32	120.3	86.5	0.9	0.02	0.09	0	1.79	**13.64**	1.45	0.073
173-G5	1	0	32	26.1	20.6	0.9	0.02	0.09	0	1.22	2.816	0.137	0.003
173-H1	1	0	32	136.6	97.9	0.9	0.02	0.09	0	1.89	**16.233**	1.914	0.106
173-P1	1	0	32	175	124.8	0.9	0.02	0.09	0	2.11	**22.85**	3.358	0.232
174-A1	1	0	32	71.9	52.7	0.9	0.02	0.09	0	1.5	**7.047**	0.525	0.019
174-G1	1	0	32	78.9	57.5	0.9	0.02	0.09	0	1.54	**7.876**	0.62	0.023

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
174-H1	1	0	32	179.5	127.9	0.9	0.02	0.09	0	2.14	**23.654**	3.559	0.252
175-G1	1	0	32	77.2	56.4	0.9	0.02	0.09	0	1.53	**7.671**	0.596	0.022
175-G2	1	0	32	26.8	21	0.9	0.02	0.09	0	1.23	2.864	0.14	0.003
175-H1	1	0	32	75.5	55.1	0.9	0.02	0.09	0	1.52	**7.461**	0.572	0.021
176-A1	1	0	32	39.3	29.8	0.9	0.02	0.09	0	1.3	3.812	0.212	0.006
176-H1	1	0	32	50.3	37.5	0.9	0.02	0.09	0	1.37	4.783	0.295	0.009
176-H2	1	0	32	29	22.6	0.9	0.02	0.09	0	1.24	3.022	0.152	0.004
176-P1	1	0	32	39	29.6	0.9	0.02	0.09	0	1.3	3.792	0.21	0.006
178-H1	1	0	32	29.1	22.7	0.9	0.02	0.09	0	1.24	3.028	0.152	0.004
179-H1	1	0	32	82.9	60.3	0.9	0.02	0.09	0	1.57	**8.373**	0.681	0.026
180-H1	1	0	32	421.7	297.5	0.9	0.02	0.09	0	3.52	**63.221**	**22.689**	4.013
180-H2	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002
180-O1	1	0	32	479.9	338.2	0.9	0.02	0.09	0	3.83	**69.909**	**28.601**	**5.878**
181-A1	1	0	32	106.1	76.6	0.9	0.02	0.09	0	1.71	**11.507**	1.11	0.051
181-G1	1	0	32	48.7	36.4	0.9	0.02	0.09	0	1.36	4.63	0.281	0.008
181-G2	1	0	32	112.3	80.9	0.9	0.02	0.09	0	1.74	**12.42**	1.251	0.06
181-H1	1	0	32	121.4	87.3	0.9	0.02	0.09	0	1.8	**13.809**	1.478	0.075
181-H2	1	0	32	115	82.8	0.9	0.02	0.09	0	1.76	**12.83**	1.316	0.064
181-N1	1	0	32	126.7	91	0.9	0.02	0.09	0	1.83	**14.645**	1.623	0.085
181-N2	1	0	32	138.4	99.2	0.9	0.02	0.09	0	1.9	**16.541**	1.973	0.111
181-O1	1	0	32	57.3	42.4	0.9	0.02	0.09	0	1.41	**5.463**	0.359	0.011
182-G1	1	0	32	199.4	141.9	0.9	0.02	0.09	0	2.26	**27.261**	4.534	0.355
182-G2	1	0	32	179.8	128.2	0.9	0.02	0.09	0	2.14	**23.711**	3.573	0.254
182-H1	1	0	32	138.6	99.3	0.9	0.02	0.09	0	1.9	**16.56**	1.977	0.111
182-H2	1	0	32	133.8	95.9	0.9	0.02	0.09	0	1.87	**15.776**	1.828	0.1
182-O1	1	0	32	110.2	79.4	0.9	0.02	0.09	0	1.73	**12.113**	1.203	0.056
182-O2	1	0	32	186	132.5	0.9	0.02	0.09	0	2.18	**24.823**	3.862	0.283
182-O3	1	0	32	178.6	127.3	0.9	0.02	0.09	0	2.14	**23.503**	3.521	0.248
184-H1	1	0	32	188.9	134.5	0.9	0.02	0.09	0	2.2	**25.343**	4.001	0.297
185-A1	1	0	32	33.8	26	0.9	0.02	0.09	0	1.27	3.379	0.178	0.005
185-H1	1	0	32	32.6	25.1	0.9	0.02	0.09	0	1.26	3.282	0.171	0.004
186-O1	1	0	32	350	247.3	0.9	0.02	0.09	0	3.12	**53.271**	**15.75**	2.249
187-H1	1	0	32	107.5	77.6	0.9	0.02	0.09	0	1.72	**11.715**	1.142	0.053
188-A1	1	0	32	78.2	57.1	0.9	0.02	0.09	0	1.54	**7.794**	0.611	0.023
188-G1	1	0	32	116.9	84.2	0.9	0.02	0.09	0	1.77	**13.123**	1.364	0.067
188-G2	1	0	32	122	87.7	0.9	0.02	0.09	0	1.8	**13.9**	1.494	0.076
188-G3	1	0	32	61.7	45.5	0.9	0.02	0.09	0	1.44	**5.914**	0.404	0.013
188-H1	1	0	32	39	29.6	0.9	0.02	0.09	0	1.3	3.792	0.21	0.006
188-P1	1	0	32	56.6	41.9	0.9	0.02	0.09	0	1.41	**5.395**	0.352	0.011
189-G1	1	0	32	44	33.1	0.9	0.02	0.09	0	1.33	4.212	0.245	0.007
189-H1	1	0	32	76.3	55.7	0.9	0.02	0.09	0	1.53	**7.561**	0.583	0.021
189-H2	1	0	32	103.5	74.7	0.9	0.02	0.09	0	1.69	**11.135**	1.055	0.047
189-O1	1	0	32	119.8	86.2	0.9	0.02	0.09	0	1.79	**13.563**	1.437	0.072
190-G1	1	0	32	18.3	15.1	0.9	0.02	0.09	0	1.18	2.31	0.103	0.002
190-H1	1	0	32	41.5	31.3	0.9	0.02	0.09	0	1.32	3.992	0.227	0.006
190-N1	1	0	32	26.9	21.1	0.9	0.02	0.09	0	1.23	2.874	0.141	0.003
190-N2	1	0	32	24.4	19.4	0.9	0.02	0.09	0	1.21	2.702	0.129	0.003

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
190-N3	1	0	32	21	17	0.9	0.02	0.09	0	1.19	2.477	0.114	0.003
190-O1	1	0	32	62.8	46.2	0.9	0.02	0.09	0	1.45	**6.029**	0.416	0.014
191-H1	1	0	32	211.2	150.1	0.9	0.02	0.09	0	2.33	**29.416**	**5.175**	0.429
192-A1	1	0	32	37.4	28.5	0.9	0.02	0.09	0	1.29	3.662	0.2	0.005
192-G1	1	0	32	28.4	22.2	0.9	0.02	0.09	0	1.24	2.98	0.149	0.004
192-H1	1	0	32	34	26.1	0.9	0.02	0.09	0	1.27	3.388	0.179	0.005
193-G1	1	0	32	18.6	15.3	0.9	0.02	0.09	0	1.18	2.33	0.105	0.002
193-H1	1	0	32	21.4	17.3	0.9	0.02	0.09	0	1.19	2.506	0.116	0.003
194-H1	1	0	32	27.5	21.5	0.9	0.02	0.09	0	1.23	2.911	0.144	0.003
194-N1	1	0	32	34.2	26.2	0.9	0.02	0.09	0	1.27	3.403	0.18	0.005
195-G1	1	0	32	77.8	56.8	0.9	0.02	0.09	0	1.54	**7.743**	0.605	0.022
195-G2	1	0	32	154.8	110.7	0.9	0.02	0.09	0	2	**19.303**	2.537	0.157
195-O1	1	0	32	195.5	139.1	0.9	0.02	0.09	0	2.23	**26.547**	4.332	0.333
196-A1	1	0	32	57.5	42.5	0.9	0.02	0.09	0	1.41	**5.479**	0.361	0.011
196-A2	1	0	32	68.7	50.4	0.9	0.02	0.09	0	1.48	**6.674**	0.484	0.017
196-G1	1	0	32	47.7	35.7	0.9	0.02	0.09	0	1.36	4.542	0.274	0.008
196-O1	1	0	32	69	50.6	0.9	0.02	0.09	0	1.48	**6.708**	0.487	0.017
197-H1	1	0	32	140.9	100.9	0.9	0.02	0.09	0	1.91	**16.951**	2.053	0.117
198-G1	1	0	32	78.3	57.1	0.9	0.02	0.09	0	1.54	**7.807**	0.612	0.023
198-H1	1	0	32	168.3	120.1	0.9	0.02	0.09	0	2.08	**21.653**	3.069	0.205
199-G1	1	0	32	14.7	12.6	0.9	0.02	0.09	0	1.15	2.102	0.09	0.002
199-O1	1	0	32	26.5	20.8	0.9	0.02	0.09	0	1.23	2.842	0.139	0.003
200-G1	1	0	32	29.9	23.2	0.9	0.02	0.09	0	1.25	3.083	0.156	0.004
200-H1	1	0	32	29.1	22.7	0.9	0.02	0.09	0	1.24	3.028	0.152	0.004
200-O1	1	0	32	27.7	21.7	0.9	0.02	0.09	0	1.23	2.927	0.145	0.003
201-O1	1	0	32	324.8	229.7	0.9	0.02	0.09	0	2.98	**49.331**	**13.488**	1.771
202-H1	1	0	32	173.3	123.6	0.9	0.02	0.09	0	2.11	**22.55**	3.284	0.225
202-N1	1	0	32	57.9	42.8	0.9	0.02	0.09	0	1.42	**5.522**	0.365	0.012
202-O1	1	0	32	137	98.2	0.9	0.02	0.09	0	1.89	**16.302**	1.927	0.107
203-H1	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002
203-O1	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002
203-O2	1	0	32	479.2	337.8	0.9	0.02	0.09	0	3.83	**69.836**	**28.53**	**5.854**
205-O1	1	0	32	507.3	357.4	0.9	0.02	0.09	0	3.98	**72.647**	**31.395**	**6.882**
206-A1	1	0	32	116.1	83.6	0.9	0.02	0.09	0	1.77	**12.995**	1.343	0.066
206-G1	1	0	32	50.4	37.6	0.9	0.02	0.09	0	1.37	4.791	0.296	0.009
206-H1	1	0	32	18	14.9	0.9	0.02	0.09	0	1.17	2.293	0.102	0.002
206-H2	1	0	32	285	201.8	0.9	0.02	0.09	0	2.75	**42.676**	**10.178**	1.156
206-O1	1	0	32	252.4	179	0.9	0.02	0.09	0	2.56	**36.925**	**7.77**	0.775
207-O1	1	0	32	110.8	79.9	0.9	0.02	0.09	0	1.74	**12.203**	1.217	0.057
208-H1	1	0	32	264.1	187.2	0.9	0.02	0.09	0	2.63	**39.018**	**8.602**	0.9
209-G1	1	0	32	238.7	169.4	0.9	0.02	0.09	0	2.49	**34.442**	**6.847**	0.644
209-H1	1	0	32	391.9	276.6	0.9	0.02	0.09	0	3.35	**59.318**	**19.735**	3.208
209-P1	1	0	32	517.6	364.6	0.9	0.02	0.09	0	4.04	**73.616**	**32.445**	**7.279**
210-H1	1	0	32	113.6	81.8	0.9	0.02	0.09	0	1.75	**12.611**	1.281	0.062
210-O1	1	0	32	127.9	91.8	0.9	0.02	0.09	0	1.84	**14.828**	1.656	0.087
211-A1	1	0	32	71.8	52.6	0.9	0.02	0.09	0	1.5	**7.037**	0.524	0.019
211-G1	1	0	32	38.6	29.3	0.9	0.02	0.09	0	1.3	3.757	0.208	0.006

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
211-G2	1	0	32	44.7	33.6	0.9	0.02	0.09	0	1.34	4.27	0.25	0.007
211-H1	1	0	32	70.7	51.8	0.9	0.02	0.09	0	1.49	**6.902**	0.509	0.018
211-O1	1	0	32	127.3	91.4	0.9	0.02	0.09	0	1.83	**14.738**	1.64	0.086
212-H1	1	0	32	188.5	134.2	0.9	0.02	0.09	0	2.19	**25.275**	3.983	0.296
212-H2	1	0	32	149.1	106.7	0.9	0.02	0.09	0	1.96	**18.335**	2.332	0.14
213-O1	1	0	32	35.5	27.1	0.9	0.02	0.09	0	1.28	3.504	0.188	0.005
213-O2	1	0	32	84.3	61.3	0.9	0.02	0.09	0	1.58	**8.551**	0.703	0.027
213-O3	1	0	32	57.5	42.5	0.9	0.02	0.09	0	1.41	**5.484**	0.361	0.011
801-O1	1	0	32	28.9	22.5	0.9	0.02	0.09	0	1.24	3.014	0.151	0.004
801-O2	1	0	32	14.9	12.8	0.9	0.02	0.09	0	1.16	2.115	0.091	0.002
801-O3	1	0	32	31.1	24.1	0.9	0.02	0.09	0	1.25	3.175	0.163	0.004
802-O1	1	0	32	150.3	107.5	0.9	0.02	0.09	0	1.97	**18.534**	2.374	0.143
803-O1	1	0	32	446.5	314.8	0.9	0.02	0.09	0	3.65	**66.212**	**25.188**	4.76
803-O2	1	0	32	314.6	222.6	0.9	0.02	0.09	0	2.92	**47.683**	**12.611**	1.598
803-O3	1	0	32	234.7	166.6	0.9	0.02	0.09	0	2.46	**33.724**	**6.592**	0.609
804-O1	1	0	32	102.1	73.8	0.9	0.02	0.09	0	1.68	**10.936**	1.026	0.046
804-O2	1	0	32	254.1	180.1	0.9	0.02	0.09	0	2.57	**37.227**	**7.887**	0.792
805-O1	1	0	32	38.2	29	0.9	0.02	0.09	0	1.3	3.723	0.205	0.005
805-O2	1	0	32	45.5	34.1	0.9	0.02	0.09	0	1.34	4.343	0.256	0.007
806-O1	1	0	32	28.4	22.1	0.9	0.02	0.09	0	1.24	2.974	0.148	0.004
806-O2	1	0	32	29.6	23	0.9	0.02	0.09	0	1.24	3.064	0.155	0.004
806-O3	1	0	32	50.7	37.8	0.9	0.02	0.09	0	1.37	4.814	0.298	0.009
806-O4	1	0	32	36.9	28.1	0.9	0.02	0.09	0	1.29	3.621	0.197	0.005
806-O5	1	0	32	37.3	28.5	0.9	0.02	0.09	0	1.29	3.655	0.199	0.005
807-O1	1	0	32	29	22.6	0.9	0.02	0.09	0	1.24	3.024	0.152	0.004
808-O1	1	0	32	33.7	25.9	0.9	0.02	0.09	0	1.27	3.371	0.177	0.005
808-O2	1	0	32	35.8	27.4	0.9	0.02	0.09	0	1.28	3.534	0.19	0.005
203-O3	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002
203-O4	1	0	32	20.2	16.5	0.9	0.02	0.09	0	1.19	2.432	0.111	0.002

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 2/20/2020
Site Name: UCR
Operable Unit: Current Resident, Smallmouth Bass
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: RES SMB_02`20`20.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
13	1	0	32	92.4	67	0.9	0.02	0.07	0	1.62	**9.53**	0.829	0.034
14	1	0	32	77.1	56.3	0.9	0.02	0.07	0	1.53	**7.586**	0.586	0.022
15	1	0	32	93.6	67.8	0.9	0.02	0.07	0	1.63	**9.681**	0.85	0.035
16	1	0	32	356	251.5	0.9	0.02	0.07	0	3.15	**54.084**	**16.249**	2.361
17	1	0	32	150.5	107.7	0.9	0.02	0.07	0	1.97	**18.469**	2.36	0.142
9	1	0	32	91.8	66.5	0.9	0.02	0.07	0	1.62	**9.439**	0.817	0.034
40	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
1015	1	0	32	47.6	35.6	0.9	0.02	0.07	0	1.35	4.48	0.268	0.008
1017	1	0	32	139.2	99.8	0.9	0.02	0.07	0	1.9	**16.577**	1.98	0.111
1018	1	0	32	51.9	38.6	0.9	0.02	0.07	0	1.38	4.874	0.303	0.009
42	1	0	32	229.6	163.1	0.9	0.02	0.07	0	2.43	**32.692**	**6.236**	0.562
44	1	0	32	99.7	72.1	0.9	0.02	0.07	0	1.67	**10.521**	0.966	0.042
46	1	0	32	188.7	134.4	0.9	0.02	0.07	0	2.19	**25.209**	3.965	0.294
47	1	0	32	222.3	157.9	0.9	0.02	0.07	0	2.39	**31.348**	**5.787**	0.504
49	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
60	1	0	32	59.3	43.8	0.9	0.02	0.07	0	1.42	**5.602**	0.373	0.012
61	1	0	32	137.2	98.3	0.9	0.02	0.07	0	1.89	**16.239**	1.915	0.106
22	1	0	32	118.9	85.5	0.9	0.02	0.07	0	1.78	**13.329**	1.398	0.069
25	1	0	32	54.5	40.4	0.9	0.02	0.07	0	1.39	**5.124**	0.327	0.01
27	1	0	32	135.3	97	0.9	0.02	0.07	0	1.88	**15.922**	1.856	0.102
28	1	0	32	49.2	36.8	0.9	0.02	0.07	0	1.36	4.629	0.281	0.008
29	1	0	32	42.7	32.2	0.9	0.02	0.07	0	1.32	4.049	0.231	0.006
30	1	0	32	51.6	38.4	0.9	0.02	0.07	0	1.38	4.847	0.301	0.009
31	1	0	32	255.8	181.3	0.9	0.02	0.07	0	2.58	**37.427**	**7.965**	0.803
33	1	0	32	206.4	146.8	0.9	0.02	0.07	0	2.3	**28.44**	4.879	0.395
35	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
35PA	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
39	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
226C	1	0	32	395.3	279	0.9	0.02	0.07	0	3.37	**59.698**	**20.008**	3.279
55	1	0	32	67.1	49.2	0.9	0.02	0.07	0	1.47	**6.432**	0.458	0.016
56	1	0	32	185.9	132.4	0.9	0.02	0.07	0	2.18	**24.707**	3.832	0.28
58	1	0	32	73.3	53.6	0.9	0.02	0.07	0	1.51	**7.138**	0.535	0.019

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
59	1	0	32	206.6	146.9	0.9	0.02	0.07	0	2.3	**28.473**	4.889	0.396
59A	1	0	32	335.3	237	0.9	0.02	0.07	0	3.03	**50.902**	**14.361**	1.95
62	1	0	32	118.1	85	0.9	0.02	0.07	0	1.78	**13.208**	1.378	0.068
62G	1	0	32	70.6	51.7	0.9	0.02	0.07	0	1.49	**6.825**	0.5	0.017
66	1	0	32	141.1	101	0.9	0.02	0.07	0	1.91	**16.878**	2.039	0.116
67	1	0	32	174.5	124.4	0.9	0.02	0.07	0	2.11	**22.651**	3.309	0.228
70	1	0	32	202.6	144.1	0.9	0.02	0.07	0	2.27	**27.745**	4.674	0.371
71	1	0	32	127	91.2	0.9	0.02	0.07	0	1.83	**14.593**	1.614	0.084
72M	1	0	32	253.9	180.1	0.9	0.02	0.07	0	2.57	**37.099**	**7.838**	0.784
72U	1	0	32	109.7	79.1	0.9	0.02	0.07	0	1.72	**11.95**	1.178	0.055
75	1	0	32	381.8	269.6	0.9	0.02	0.07	0	3.29	**57.841**	**18.699**	2.944
82	1	0	32	54.8	40.6	0.9	0.02	0.07	0	1.39	**5.155**	0.329	0.01
85	1	0	32	57.4	42.5	0.9	0.02	0.07	0	1.41	**5.412**	0.354	0.011
86	1	0	32	115.3	83	0.9	0.02	0.07	0	1.76	**12.792**	1.31	0.063
87	1	0	32	99.5	72	0.9	0.02	0.07	0	1.66	**10.498**	0.963	0.042
94M	1	0	32	73.9	54	0.9	0.02	0.07	0	1.51	**7.209**	0.543	0.019
106	1	0	32	387.2	273.4	0.9	0.02	0.07	0	3.32	**58.598**	**19.225**	3.077
107	1	0	32	169.3	120.8	0.9	0.02	0.07	0	2.08	**21.739**	3.089	0.207
108	1	0	32	185.4	132.1	0.9	0.02	0.07	0	2.17	**24.617**	3.808	0.277
109	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
110	1	0	32	88.5	64.3	0.9	0.02	0.07	0	1.6	**9.014**	0.762	0.031
110G	1	0	32	41.5	31.4	0.9	0.02	0.07	0	1.31	3.95	0.223	0.006
111	1	0	32	70.4	51.5	0.9	0.02	0.07	0	1.49	**6.801**	0.497	0.017
112	1	0	32	471.3	332.2	0.9	0.02	0.07	0	3.78	**68.935**	**27.664**	**5.56**
112G	1	0	32	181.5	129.4	0.9	0.02	0.07	0	2.15	**23.92**	3.627	0.259
113low	1	0	32	263	186.4	0.9	0.02	0.07	0	2.62	**38.727**	**8.483**	0.881
113up	1	0	32	398.8	281.5	0.9	0.02	0.07	0	3.39	**60.178**	**20.358**	3.371
115SP	1	0	32	493.1	347.5	0.9	0.02	0.07	0	3.9	**71.202**	**29.891**	**6.331**
21	1	0	32	104.1	75.2	0.9	0.02	0.07	0	1.69	**11.136**	1.055	0.047
21G	1	0	32	337.4	238.5	0.9	0.02	0.07	0	3.04	**51.241**	**14.554**	1.99
116M	1	0	32	347.4	245.4	0.9	0.02	0.07	0	3.1	**52.78**	**15.455**	2.184
122	1	0	32	69	50.6	0.9	0.02	0.07	0	1.48	**6.652**	0.481	0.017
121	1	0	32	148.3	106.1	0.9	0.02	0.07	0	1.95	**18.091**	2.282	0.136
123	1	0	32	336.5	237.9	0.9	0.02	0.07	0	3.04	**51.106**	**14.477**	1.974
135	1	0	32	130.2	93.5	0.9	0.02	0.07	0	1.85	**15.111**	1.706	0.091
146	1	0	32	81.4	59.3	0.9	0.02	0.07	0	1.56	**8.113**	0.649	0.025
146G	1	0	32	43.2	32.6	0.9	0.02	0.07	0	1.32	4.096	0.235	0.007
147	1	0	32	50.9	37.9	0.9	0.02	0.07	0	1.37	4.784	0.295	0.009
151	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
152	1	0	32	183.4	130.7	0.9	0.02	0.07	0	2.16	**24.259**	3.714	0.268
160	1	0	32	153.4	109.7	0.9	0.02	0.07	0	1.98	**18.954**	2.462	0.151
163	1	0	32	158.1	113	0.9	0.02	0.07	0	2.01	**19.773**	2.64	0.166
163G	1	0	32	222.8	158.3	0.9	0.02	0.07	0	2.39	**31.445**	**5.819**	0.508
164	1	0	32	118	84.9	0.9	0.02	0.07	0	1.77	**13.19**	1.375	0.068
167	1	0	32	71.4	52.3	0.9	0.02	0.07	0	1.5	**6.922**	0.511	0.018
168	1	0	32	365.9	258.4	0.9	0.02	0.07	0	3.2	**55.557**	**17.179**	2.576
169	1	0	32	262	185.7	0.9	0.02	0.07	0	2.62	**38.536**	**8.406**	0.87
169A	1	0	32	238.9	169.5	0.9	0.02	0.07	0	2.48	**34.376**	**6.823**	0.64
320new	1	0	32	555.7	391.3	0.9	0.02	0.07	0	4.24	**76.873**	**36.235**	**8.816**

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
216	1	0	32	310.2	219.4	0.9	0.02	0.07	0	2.89	**46.855**	**12.186**	1.516
1030	1	0	32	20.2	16.5	0.9	0.02	0.07	0	1.18	2.395	0.109	0.002
170	1	0	32	20.2	16.5	0.9	0.02	0.07	0	1.18	2.395	0.109	0.002
172U	1	0	32	294	208.1	0.9	0.02	0.07	0	2.8	**44.136**	**10.853**	1.273
174M	1	0	32	23.7	18.9	0.9	0.02	0.07	0	1.21	2.618	0.123	0.003
175	1	0	32	171.3	122.2	0.9	0.02	0.07	0	2.09	**22.086**	3.172	0.214
238G	1	0	32	47.1	35.3	0.9	0.02	0.07	0	1.35	4.439	0.265	0.008
238M	1	0	32	34.9	26.8	0.9	0.02	0.07	0	1.27	3.418	0.181	0.005
176G	1	0	32	140.1	100.4	0.9	0.02	0.07	0	1.91	**16.728**	2.009	0.114
176M	1	0	32	215.9	153.4	0.9	0.02	0.07	0	2.35	**30.174**	**5.411**	0.458
177	1	0	32	172.8	123.2	0.9	0.02	0.07	0	2.1	**22.35**	3.235	0.22
206	1	0	32	142.4	101.9	0.9	0.02	0.07	0	1.92	**17.094**	2.081	0.119
208	1	0	32	161.9	115.6	0.9	0.02	0.07	0	2.03	**20.429**	2.786	0.179
208AA	1	0	32	173.4	123.6	0.9	0.02	0.07	0	2.1	**22.453**	3.26	0.223
208BM	1	0	32	112.5	81.1	0.9	0.02	0.07	0	1.74	**12.37**	1.243	0.059
208G	1	0	32	92.1	66.7	0.9	0.02	0.07	0	1.62	**9.477**	0.822	0.034
209A	1	0	32	115.7	83.3	0.9	0.02	0.07	0	1.76	**12.846**	1.319	0.064
213	1	0	32	440.1	310.4	0.9	0.02	0.07	0	3.61	**65.398**	**24.485**	4.544
185	1	0	32	196.7	140	0.9	0.02	0.07	0	2.24	**26.658**	4.363	0.336
185G	1	0	32	71	52	0.9	0.02	0.07	0	1.49	**6.877**	0.506	0.018
186	1	0	32	242.3	171.9	0.9	0.02	0.07	0	2.5	**34.998**	**7.048**	0.671
1035	1	0	32	114.9	82.8	0.9	0.02	0.07	0	1.76	**12.733**	1.301	0.063
1036	1	0	32	76.8	56	0.9	0.02	0.07	0	1.53	**7.548**	0.582	0.021
1037	1	0	32	98.4	71.2	0.9	0.02	0.07	0	1.66	**10.344**	0.941	0.041
189	1	0	32	154.4	110.4	0.9	0.02	0.07	0	1.99	**19.14**	2.502	0.154
1060	1	0	32	127.8	91.8	0.9	0.02	0.07	0	1.83	**14.721**	1.637	0.086
192	1	0	32	262.5	186	0.9	0.02	0.07	0	2.62	**38.621**	**8.44**	0.875
1020	1	0	32	96.5	69.9	0.9	0.02	0.07	0	1.65	**10.08**	0.904	0.038
1021	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
193	1	0	32	140.2	100.4	0.9	0.02	0.07	0	1.91	**16.739**	2.011	0.114
194	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
218	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
201	1	0	32	447.1	315.3	0.9	0.02	0.07	0	3.65	**66.221**	**25.195**	4.762
201G	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
203	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
229	1	0	32	48.6	36.3	0.9	0.02	0.07	0	1.36	4.571	0.276	0.008
230G	1	0	32	80.1	58.4	0.9	0.02	0.07	0	1.55	**7.948**	0.629	0.024
196	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
231	1	0	32	125.5	90.1	0.9	0.02	0.07	0	1.82	**14.355**	1.572	0.081
231Lower	1	0	32	138	98.9	0.9	0.02	0.07	0	1.89	**16.368**	1.94	0.108
7	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
154	1	0	32	66.3	48.7	0.9	0.02	0.07	0	1.46	**6.354**	0.449	0.015
246	1	0	32	29.2	22.8	0.9	0.02	0.07	0	1.24	2.994	0.15	0.004
18	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
20	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
249	1	0	32	85.9	62.5	0.9	0.02	0.07	0	1.58	**8.681**	0.719	0.028
250	1	0	32	92.2	66.8	0.9	0.02	0.07	0	1.62	**9.492**	0.824	0.034
253	1	0	32	110	79.3	0.9	0.02	0.07	0	1.73	**11.992**	1.184	0.055
258	1	0	32	767.7	539.7	0.9	0.02	0.07	0	5.34	**88.975**	**55.502**	**19.444**

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
259	1	0	32	240.7	170.8	0.9	0.02	0.07	0	2.49	**34.7**	**6.94**	0.656
284M	1	0	32	152.7	109.2	0.9	0.02	0.07	0	1.98	**18.842**	2.438	0.149
285M	1	0	32	157.6	112.7	0.9	0.02	0.07	0	2.01	**19.693**	2.622	0.164
287	1	0	32	150.2	107.4	0.9	0.02	0.07	0	1.97	**18.416**	2.349	0.141
288	1	0	32	68.2	50	0.9	0.02	0.07	0	1.48	**6.554**	0.471	0.016
288G1	1	0	32	79.7	58.1	0.9	0.02	0.07	0	1.54	**7.896**	0.623	0.023
288G2	1	0	32	59.8	44.2	0.9	0.02	0.07	0	1.43	**5.664**	0.379	0.012
289G3	1	0	32	76.3	55.7	0.9	0.02	0.07	0	1.52	**7.489**	0.575	0.021
291	1	0	32	77.6	56.6	0.9	0.02	0.07	0	1.53	**7.641**	0.593	0.022
306	1	0	32	86.1	62.6	0.9	0.02	0.07	0	1.58	**8.703**	0.722	0.028
315	1	0	32	37.7	28.7	0.9	0.02	0.07	0	1.29	3.636	0.198	0.005
316	1	0	32	105.2	75.9	0.9	0.02	0.07	0	1.7	**11.291**	1.078	0.049
317	1	0	32	227.9	161.8	0.9	0.02	0.07	0	2.42	**32.372**	**6.127**	0.548
317M	1	0	32	494.8	348.7	0.9	0.02	0.07	0	3.91	**71.376**	**30.068**	**6.395**
318	1	0	32	452.2	318.9	0.9	0.02	0.07	0	3.68	**66.813**	**25.717**	4.926
319	1	0	32	505.5	356.2	0.9	0.02	0.07	0	3.97	**72.428**	**31.162**	**6.795**
319M	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
420	1	0	32	517.5	364.6	0.9	0.02	0.07	0	4.03	**73.562**	**32.385**	**7.257**
421	1	0	32	318.8	225.4	0.9	0.02	0.07	0	2.94	**48.262**	**12.915**	1.657
410	1	0	32	394	278.1	0.9	0.02	0.07	0	3.36	**59.529**	**19.887**	3.247
412	1	0	32	12.8	11.3	0.9	0.02	0.07	0	1.14	1.961	0.082	0.002
413	1	0	32	543.1	382.5	0.9	0.02	0.07	0	4.17	**75.831**	**34.975**	**8.288**
325	1	0	32	37.8	28.8	0.9	0.02	0.07	0	1.29	3.647	0.199	0.005
326	1	0	32	71.5	52.3	0.9	0.02	0.07	0	1.5	**6.926**	0.511	0.018
327	1	0	32	50	37.3	0.9	0.02	0.07	0	1.37	4.705	0.288	0.008
999G1	1	0	32	85.9	62.4	0.9	0.02	0.07	0	1.58	**8.676**	0.719	0.028
999M1	1	0	32	79.9	58.2	0.9	0.02	0.07	0	1.55	**7.922**	0.626	0.024
999M2	1	0	32	56.1	41.6	0.9	0.02	0.07	0	1.4	**5.288**	0.342	0.011
999M3	1	0	32	83.8	61	0.9	0.02	0.07	0	1.57	**8.409**	0.685	0.027
72	1	0	32	230.4	163.6	0.9	0.02	0.07	0	2.43	**32.829**	**6.282**	0.568
1001	1	0	32	408.4	288.1	0.9	0.02	0.07	0	3.44	**61.438**	**21.299**	3.624
401	1	0	32	1101.5	773.4	0.9	0.02	0.07	0	6.96	**96.331**	**75.916**	**38.347**
402	1	0	32	577.5	406.6	0.9	0.02	0.07	0	4.35	**78.587**	**38.412**	**9.772**
403	1	0	32	419.6	296	0.9	0.02	0.07	0	3.5	**62.88**	**22.418**	3.936
440	1	0	32	145.2	103.9	0.9	0.02	0.07	0	1.94	**17.568**	2.175	0.127
441	1	0	32	737.9	518.8	0.9	0.02	0.07	0	5.19	**87.783**	**53.083**	**17.81**
442	1	0	32	258.8	183.4	0.9	0.02	0.07	0	2.6	**37.967**	**8.178**	0.835
1005	1	0	32	112.1	80.8	0.9	0.02	0.07	0	1.74	**12.309**	1.233	0.058
1006	1	0	32	91.7	66.5	0.9	0.02	0.07	0	1.62	**9.426**	0.816	0.033
1007	1	0	32	51.9	38.6	0.9	0.02	0.07	0	1.38	4.878	0.304	0.009
1008	1	0	32	91.5	66.3	0.9	0.02	0.07	0	1.62	**9.401**	0.812	0.033
1010	1	0	32	110.8	79.8	0.9	0.02	0.07	0	1.73	**12.107**	1.202	0.056
1011	1	0	32	146.2	104.7	0.9	0.02	0.07	0	1.94	**17.743**	2.211	0.13
345	1	0	32	103.9	75	0.9	0.02	0.07	0	1.69	**11.114**	1.052	0.047
346	1	0	32	130.4	93.6	0.9	0.02	0.07	0	1.85	**15.141**	1.712	0.091
347	1	0	32	312.7	221.2	0.9	0.02	0.07	0	2.9	**47.267**	**12.396**	1.556
430	1	0	32	262	185.7	0.9	0.02	0.07	0	2.62	**38.536**	**8.406**	0.87
431	1	0	32	110.3	79.5	0.9	0.02	0.07	0	1.73	**12.034**	1.191	0.056
432	1	0	32	307.5	217.5	0.9	0.02	0.07	0	2.88	**46.4**	**11.955**	1.473

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
801	1	0	32	239.9	170.3	0.9	0.02	0.07	0	2.49	**34.567**	**6.892**	0.65
3000	1	0	32	26.6	20.9	0.9	0.02	0.07	0	1.22	2.813	0.137	0.003
3001	1	0	32	371	262	0.9	0.02	0.07	0	3.23	**56.3**	**17.663**	2.691
3003	1	0	32	294.5	208.5	0.9	0.02	0.07	0	2.8	**44.217**	**10.892**	1.28
3004	1	0	32	81.9	59.6	0.9	0.02	0.07	0	1.56	**8.171**	0.656	0.025
280	1	0	32	367.4	259.5	0.9	0.02	0.07	0	3.21	**55.774**	**17.32**	2.609
280yard	1	0	32	302.9	214.3	0.9	0.02	0.07	0	2.85	**45.633**	**11.574**	1.403
075-A1	1	0	32	70.1	51.4	0.9	0.02	0.07	0	1.49	**6.77**	0.494	0.017
075-H1	1	0	32	81.8	59.5	0.9	0.02	0.07	0	1.56	**8.153**	0.654	0.025
075-O1	1	0	32	265	187.8	0.9	0.02	0.07	0	2.63	**39.078**	**8.626**	0.904
076-G1	1	0	32	85	61.8	0.9	0.02	0.07	0	1.58	**8.557**	0.704	0.027
076-G2	1	0	32	95.1	68.8	0.9	0.02	0.07	0	1.64	**9.883**	0.877	0.037
076-H1	1	0	32	93.4	67.7	0.9	0.02	0.07	0	1.63	**9.656**	0.846	0.035
076-H2	1	0	32	91.4	66.3	0.9	0.02	0.07	0	1.62	**9.394**	0.811	0.033
076-N1	1	0	32	157.3	112.4	0.9	0.02	0.07	0	2.01	**19.639**	2.61	0.163
077-A1	1	0	32	32.2	24.9	0.9	0.02	0.07	0	1.26	3.213	0.166	0.004
077-A2	1	0	32	31.3	24.2	0.9	0.02	0.07	0	1.25	3.145	0.161	0.004
077-G1	1	0	32	28.4	22.2	0.9	0.02	0.07	0	1.23	2.939	0.146	0.003
077-H1	1	0	32	36.3	27.7	0.9	0.02	0.07	0	1.28	3.528	0.19	0.005
077-H2	1	0	32	37.2	28.3	0.9	0.02	0.07	0	1.29	3.595	0.195	0.005
077-N1	1	0	32	34.8	26.6	0.9	0.02	0.07	0	1.27	3.404	0.18	0.005
078-G1	1	0	32	37.9	28.9	0.9	0.02	0.07	0	1.29	3.655	0.199	0.005
078-H1	1	0	32	24.6	19.5	0.9	0.02	0.07	0	1.21	2.676	0.127	0.003
078-N1	1	0	32	26.8	21.1	0.9	0.02	0.07	0	1.22	2.828	0.138	0.003
078-O1	1	0	32	32	24.7	0.9	0.02	0.07	0	1.26	3.201	0.165	0.004
079-H1	1	0	32	69.8	51.2	0.9	0.02	0.07	0	1.49	**6.741**	0.491	0.017
079-H2	1	0	32	121.7	87.5	0.9	0.02	0.07	0	1.8	**13.767**	1.471	0.074
080-H1	1	0	32	23.7	18.9	0.9	0.02	0.07	0	1.21	2.615	0.123	0.003
081-A1	1	0	32	36.3	27.7	0.9	0.02	0.07	0	1.28	3.522	0.189	0.005
081-H1	1	0	32	45.5	34.1	0.9	0.02	0.07	0	1.34	4.291	0.252	0.007
081-O1	1	0	32	126.2	90.6	0.9	0.02	0.07	0	1.82	**14.47**	1.592	0.083
082-G1	1	0	32	22.8	18.3	0.9	0.02	0.07	0	1.2	2.558	0.12	0.003
082-G2	1	0	32	41.1	31	0.9	0.02	0.07	0	1.31	3.911	0.22	0.006
082-H1	1	0	32	41.8	31.5	0.9	0.02	0.07	0	1.32	3.97	0.225	0.006
082-N1	1	0	32	35.4	27.1	0.9	0.02	0.07	0	1.28	3.456	0.184	0.005
082-N2	1	0	32	42.9	32.3	0.9	0.02	0.07	0	1.32	4.068	0.233	0.006
083-G1	1	0	32	35.4	27.1	0.9	0.02	0.07	0	1.28	3.456	0.184	0.005
083-G2	1	0	32	30.6	23.7	0.9	0.02	0.07	0	1.25	3.096	0.157	0.004
083-H1	1	0	32	44.4	33.4	0.9	0.02	0.07	0	1.33	4.196	0.244	0.007
084-H1	1	0	32	37.5	28.6	0.9	0.02	0.07	0	1.29	3.622	0.197	0.005
085-H1	1	0	32	60	44.3	0.9	0.02	0.07	0	1.43	**5.684**	0.381	0.012
085-O1	1	0	32	79.7	58.1	0.9	0.02	0.07	0	1.54	**7.897**	0.623	0.023
085-P1	1	0	32	157.2	112.3	0.9	0.02	0.07	0	2.01	**19.62**	2.606	0.163
086-G1	1	0	32	72.1	52.8	0.9	0.02	0.07	0	1.5	**7.003**	0.52	0.018
086-H1	1	0	32	60.8	44.9	0.9	0.02	0.07	0	1.43	**5.766**	0.389	0.013
086-H2	1	0	32	92.5	67.1	0.9	0.02	0.07	0	1.62	**9.543**	0.831	0.034
087-H1	1	0	32	51.6	38.4	0.9	0.02	0.07	0	1.38	4.852	0.301	0.009
087-O1	1	0	32	92.5	67.1	0.9	0.02	0.07	0	1.62	**9.543**	0.831	0.034
088-H1	1	0	32	184.3	131.3	0.9	0.02	0.07	0	2.17	**24.407**	3.753	0.272

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
088-H2	1	0	32	159	113.6	0.9	0.02	0.07	0	2.02	**19.931**	2.674	0.169
088-O1	1	0	32	136.3	97.7	0.9	0.02	0.07	0	1.88	**16.093**	1.888	0.104
089-A1	1	0	32	80.4	58.6	0.9	0.02	0.07	0	1.55	**7.99**	0.634	0.024
089-H1	1	0	32	95.1	68.8	0.9	0.02	0.07	0	1.64	**9.883**	0.877	0.037
089-O1	1	0	32	60.3	44.5	0.9	0.02	0.07	0	1.43	**5.713**	0.384	0.012
090-H1	1	0	32	95.3	69	0.9	0.02	0.07	0	1.64	**9.921**	0.882	0.037
090-O2	1	0	32	157.3	112.4	0.9	0.02	0.07	0	2.01	**19.639**	2.61	0.163
091-G1	1	0	32	81.3	59.2	0.9	0.02	0.07	0	1.55	**8.094**	0.647	0.025
091-H1	1	0	32	56	41.5	0.9	0.02	0.07	0	1.4	**5.276**	0.341	0.011
092-O1	1	0	32	180.3	128.5	0.9	0.02	0.07	0	2.14	**23.701**	3.571	0.253
092-O2	1	0	32	101.8	73.6	0.9	0.02	0.07	0	1.68	**10.814**	1.008	0.044
093-H1	1	0	32	67.9	49.8	0.9	0.02	0.07	0	1.47	**6.522**	0.467	0.016
094-H1	1	0	32	80.2	58.4	0.9	0.02	0.07	0	1.55	**7.955**	0.63	0.024
094-P1	1	0	32	77.1	56.3	0.9	0.02	0.07	0	1.53	**7.589**	0.587	0.022
095-A1	1	0	32	174.1	124.2	0.9	0.02	0.07	0	2.11	**22.597**	3.295	0.226
095-H1	1	0	32	118.6	85.3	0.9	0.02	0.07	0	1.78	**13.292**	1.392	0.069
095-O1	1	0	32	149.1	106.7	0.9	0.02	0.07	0	1.96	**18.236**	2.312	0.138
095-O2	1	0	32	177.5	126.6	0.9	0.02	0.07	0	2.13	**23.197**	3.444	0.241
096-H1	1	0	32	179.2	127.7	0.9	0.02	0.07	0	2.14	**23.499**	3.52	0.248
096-O1	1	0	32	313.4	221.7	0.9	0.02	0.07	0	2.91	**47.377**	**12.453**	1.567
097-H1	1	0	32	142.2	101.8	0.9	0.02	0.07	0	1.92	**17.065**	2.075	0.119
097-H2	1	0	32	117.8	84.8	0.9	0.02	0.07	0	1.77	**13.163**	1.371	0.067
098-G1	1	0	32	36.3	27.7	0.9	0.02	0.07	0	1.28	3.528	0.19	0.005
098-H1	1	0	32	34.4	26.4	0.9	0.02	0.07	0	1.27	3.378	0.178	0.005
098-O1	1	0	32	22.7	18.2	0.9	0.02	0.07	0	1.2	2.553	0.119	0.003
099-A1	1	0	32	56.5	41.8	0.9	0.02	0.07	0	1.4	**5.321**	0.345	0.011
099-G2	1	0	32	63.3	46.7	0.9	0.02	0.07	0	1.45	**6.031**	0.416	0.014
099-H1	1	0	32	144.4	103.4	0.9	0.02	0.07	0	1.93	**17.441**	2.15	0.125
099-O1	1	0	32	170.7	121.8	0.9	0.02	0.07	0	2.09	**21.98**	3.146	0.212
100-G1	1	0	32	46.1	34.6	0.9	0.02	0.07	0	1.34	4.347	0.257	0.007
100-H1	1	0	32	140.6	100.7	0.9	0.02	0.07	0	1.91	**16.797**	2.023	0.115
100-N1	1	0	32	88.4	64.2	0.9	0.02	0.07	0	1.6	**8.996**	0.759	0.03
100-N2	1	0	32	73.6	53.8	0.9	0.02	0.07	0	1.51	**7.172**	0.539	0.019
100-O1	1	0	32	138.4	99.2	0.9	0.02	0.07	0	1.9	**16.446**	1.955	0.11
101-G1	1	0	32	50.7	37.8	0.9	0.02	0.07	0	1.37	4.768	0.294	0.009
101-H1	1	0	32	131.5	94.4	0.9	0.02	0.07	0	1.85	**15.32**	1.744	0.094
101-O1	1	0	32	209.4	148.9	0.9	0.02	0.07	0	2.31	**28.993**	**5.046**	0.414
102-G1	1	0	32	56.5	41.8	0.9	0.02	0.07	0	1.4	**5.321**	0.345	0.011
102-H1	1	0	32	29.9	23.3	0.9	0.02	0.07	0	1.24	3.045	0.153	0.004
103-H1	1	0	32	118	84.9	0.9	0.02	0.07	0	1.77	**13.189**	1.375	0.068
103-O1	1	0	32	99	71.6	0.9	0.02	0.07	0	1.66	**10.422**	0.952	0.041
104-H1	1	0	32	182.1	129.8	0.9	0.02	0.07	0	2.15	**24.02**	3.653	0.262
104-H2	1	0	32	165.1	117.8	0.9	0.02	0.07	0	2.05	**20.988**	2.913	0.19
104-N1	1	0	32	149.8	107.2	0.9	0.02	0.07	0	1.96	**18.348**	2.335	0.14
105-H1	1	0	32	105.8	76.3	0.9	0.02	0.07	0	1.7	**11.377**	1.091	0.049
105-P1	1	0	32	217.3	154.4	0.9	0.02	0.07	0	2.36	**30.423**	**5.489**	0.467
106-G1	1	0	32	28.4	22.2	0.9	0.02	0.07	0	1.23	2.939	0.146	0.003
106-G2	1	0	32	28.5	22.3	0.9	0.02	0.07	0	1.23	2.945	0.146	0.004
106-H1	1	0	32	18.6	15.3	0.9	0.02	0.07	0	1.17	2.295	0.102	0.002

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
106-O1	1	0	32	24.9	19.7	0.9	0.02	0.07	0	1.21	2.696	0.129	0.003
107-H1	1	0	32	233.9	166	0.9	0.02	0.07	0	2.45	**33.465**	**6.502**	0.597
108-H1	1	0	32	72.8	53.2	0.9	0.02	0.07	0	1.5	**7.077**	0.528	0.019
108-O1	1	0	32	119.5	85.9	0.9	0.02	0.07	0	1.78	**13.421**	1.413	0.07
108-O2	1	0	32	53.9	40	0.9	0.02	0.07	0	1.39	**5.07**	0.322	0.01
109-H1	1	0	32	20.2	16.5	0.9	0.02	0.07	0	1.18	2.395	0.109	0.002
110-A1	1	0	32	91.7	66.5	0.9	0.02	0.07	0	1.62	**9.431**	0.816	0.034
110-G1	1	0	32	67.7	49.7	0.9	0.02	0.07	0	1.47	**6.506**	0.465	0.016
110-G2	1	0	32	30.8	23.9	0.9	0.02	0.07	0	1.25	3.107	0.158	0.004
110-H1	1	0	32	58.8	43.5	0.9	0.02	0.07	0	1.42	**5.558**	0.368	0.012
110-O1	1	0	32	46.1	34.5	0.9	0.02	0.07	0	1.34	4.343	0.256	0.007
110-O2	1	0	32	80.7	58.8	0.9	0.02	0.07	0	1.55	**8.021**	0.638	0.024
111-H1	1	0	32	41.9	31.6	0.9	0.02	0.07	0	1.32	3.984	0.226	0.006
112-G1	1	0	32	97.3	70.4	0.9	0.02	0.07	0	1.65	**10.192**	0.92	0.039
112-H1	1	0	32	85.4	62.1	0.9	0.02	0.07	0	1.58	**8.613**	0.711	0.028
112-O1	1	0	32	296.9	210.1	0.9	0.02	0.07	0	2.82	**44.623**	**11.084**	1.314
113-G1	1	0	32	171.6	122.4	0.9	0.02	0.07	0	2.09	**22.148**	3.186	0.216
113-G2	1	0	32	190.1	135.4	0.9	0.02	0.07	0	2.2	**25.473**	4.036	0.301
113-G3	1	0	32	76.3	55.7	0.9	0.02	0.07	0	1.52	**7.492**	0.575	0.021
113-O1	1	0	32	122.8	88.3	0.9	0.02	0.07	0	1.8	**13.941**	1.501	0.076
114-G1	1	0	32	292.8	207.2	0.9	0.02	0.07	0	2.79	**43.92**	**10.752**	1.255
114-H1	1	0	32	327.3	231.4	0.9	0.02	0.07	0	2.99	**49.635**	**13.654**	1.804
114-O1	1	0	32	263	186.4	0.9	0.02	0.07	0	2.62	**38.717**	**8.479**	0.881
115-O1	1	0	32	394.7	278.6	0.9	0.02	0.07	0	3.36	**59.625**	**19.956**	3.265
116-O1	1	0	32	135.7	97.3	0.9	0.02	0.07	0	1.88	**16.001**	1.87	0.103
117-O1	1	0	32	15.8	13.4	0.9	0.02	0.07	0	1.16	2.133	0.092	0.002
118-G1	1	0	32	26.3	20.7	0.9	0.02	0.07	0	1.22	2.793	0.135	0.003
118-G2	1	0	32	21.9	17.6	0.9	0.02	0.07	0	1.19	2.497	0.115	0.003
118-H1	1	0	32	21.9	17.6	0.9	0.02	0.07	0	1.19	2.499	0.116	0.003
118-N1	1	0	32	47.1	35.3	0.9	0.02	0.07	0	1.35	4.436	0.264	0.008
118-N2	1	0	32	76.2	55.7	0.9	0.02	0.07	0	1.52	**7.482**	0.574	0.021
119-P1	1	0	32	275.8	195.4	0.9	0.02	0.07	0	2.7	**40.984**	**9.429**	1.031
120-A1	1	0	32	57.4	42.5	0.9	0.02	0.07	0	1.41	**5.415**	0.354	0.011
120-G1	1	0	32	55.1	40.8	0.9	0.02	0.07	0	1.4	**5.183**	0.332	0.01
120-H1	1	0	32	58.4	43.2	0.9	0.02	0.07	0	1.42	**5.512**	0.364	0.011
120-O1	1	0	32	93.3	67.6	0.9	0.02	0.07	0	1.63	**9.643**	0.845	0.035
121-G1	1	0	32	31.1	24.1	0.9	0.02	0.07	0	1.25	3.132	0.16	0.004
121-H1	1	0	32	44.1	33.2	0.9	0.02	0.07	0	1.33	4.171	0.242	0.007
121-N1	1	0	32	21.6	17.4	0.9	0.02	0.07	0	1.19	2.483	0.115	0.003
121-N2	1	0	32	39.1	29.7	0.9	0.02	0.07	0	1.3	3.751	0.207	0.006
122-G1	1	0	32	65.4	48.1	0.9	0.02	0.07	0	1.46	**6.248**	0.438	0.015
122-G2	1	0	32	58.7	43.4	0.9	0.02	0.07	0	1.42	**5.549**	0.367	0.012
122-H1	1	0	32	114.4	82.4	0.9	0.02	0.07	0	1.75	**12.653**	1.288	0.062
122-H2	1	0	32	66.5	48.8	0.9	0.02	0.07	0	1.47	**6.366**	0.451	0.015
122-O1	1	0	32	167.4	119.5	0.9	0.02	0.07	0	2.07	**21.403**	3.01	0.199
122-O2	1	0	32	244.8	173.7	0.9	0.02	0.07	0	2.52	**35.453**	**7.215**	0.695
122-P1	1	0	32	320.9	226.9	0.9	0.02	0.07	0	2.95	**48.61**	**13.099**	1.693
123-G1	1	0	32	80.8	58.9	0.9	0.02	0.07	0	1.55	**8.042**	0.64	0.024
123-G2	1	0	32	93.1	67.5	0.9	0.02	0.07	0	1.63	**9.618**	0.841	0.035

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
123-H1	1	0	32	72.4	53	0.9	0.02	0.07	0	1.5	**7.039**	0.524	0.019
123-O1	1	0	32	101	73	0.9	0.02	0.07	0	1.67	**10.696**	0.991	0.043
123-O2	1	0	32	220.4	156.6	0.9	0.02	0.07	0	2.38	**31.005**	**5.676**	0.49
124-G1	1	0	32	28	21.9	0.9	0.02	0.07	0	1.23	2.91	0.144	0.003
124-G2	1	0	32	76.6	55.9	0.9	0.02	0.07	0	1.53	**7.529**	0.58	0.021
124-H1	1	0	32	35.1	26.9	0.9	0.02	0.07	0	1.27	3.43	0.182	0.005
124-N1	1	0	32	27.6	21.6	0.9	0.02	0.07	0	1.23	2.88	0.142	0.003
124-N2	1	0	32	8.5	8.3	0.9	0.02	0.07	0	1.11	1.736	0.069	0.001
124-O1	1	0	32	76.6	55.9	0.9	0.02	0.07	0	1.53	**7.522**	0.579	0.021
125-O1	1	0	32	70	51.3	0.9	0.02	0.07	0	1.49	**6.764**	0.493	0.017
126-A1	1	0	32	64.8	47.7	0.9	0.02	0.07	0	1.46	**6.184**	0.432	0.014
126-G1	1	0	32	49	36.6	0.9	0.02	0.07	0	1.36	4.612	0.28	0.008
126-G2	1	0	32	42.2	31.8	0.9	0.02	0.07	0	1.32	4.003	0.228	0.006
126-H1	1	0	32	22	17.7	0.9	0.02	0.07	0	1.2	2.509	0.116	0.003
126-O1	1	0	32	48.8	36.5	0.9	0.02	0.07	0	1.36	4.589	0.278	0.008
126-O2	1	0	32	25.4	20.1	0.9	0.02	0.07	0	1.22	2.731	0.131	0.003
126-O3	1	0	32	50	37.3	0.9	0.02	0.07	0	1.37	4.697	0.287	0.008
126-P1	1	0	32	28.1	22	0.9	0.02	0.07	0	1.23	2.917	0.144	0.003
127-A1	1	0	32	117.8	84.8	0.9	0.02	0.07	0	1.77	**13.163**	1.371	0.067
127-G1	1	0	32	63.2	46.5	0.9	0.02	0.07	0	1.45	**6.013**	0.414	0.014
127-G2	1	0	32	64.9	47.7	0.9	0.02	0.07	0	1.46	**6.194**	0.433	0.014
127-H1	1	0	32	96.8	70	0.9	0.02	0.07	0	1.65	**10.113**	0.909	0.039
127-H2	1	0	32	42.5	32	0.9	0.02	0.07	0	1.32	4.031	0.23	0.006
127-N1	1	0	32	118.3	85.1	0.9	0.02	0.07	0	1.78	**13.249**	1.385	0.068
128-G1	1	0	32	37	28.2	0.9	0.02	0.07	0	1.29	3.577	0.193	0.005
128-G2	1	0	32	68.6	50.3	0.9	0.02	0.07	0	1.48	**6.597**	0.475	0.016
128-G3	1	0	32	39.9	30.3	0.9	0.02	0.07	0	1.3	3.817	0.212	0.006
128-N1	1	0	32	120.3	86.5	0.9	0.02	0.07	0	1.79	**13.555**	1.436	0.072
128-O1	1	0	32	69.2	50.8	0.9	0.02	0.07	0	1.48	**6.672**	0.483	0.017
129-H1	1	0	32	297.1	210.3	0.9	0.02	0.07	0	2.82	**44.659**	**11.102**	1.317
129-H2	1	0	32	335.8	237.4	0.9	0.02	0.07	0	3.04	**50.99**	**14.411**	1.96
130-G1	1	0	32	37.3	28.4	0.9	0.02	0.07	0	1.29	3.604	0.195	0.005
130-H1	1	0	32	17.8	14.7	0.9	0.02	0.07	0	1.17	2.245	0.099	0.002
130-H2	1	0	32	53.1	39.5	0.9	0.02	0.07	0	1.38	4.991	0.314	0.009
131-H1	1	0	32	135.4	97.1	0.9	0.02	0.07	0	1.88	**15.956**	1.862	0.102
132-G1	1	0	32	18.4	15.2	0.9	0.02	0.07	0	1.17	2.285	0.102	0.002
132-G2	1	0	32	7.5	7.5	0.9	0.02	0.07	0	1.11	1.686	0.066	0.001
132-H1	1	0	32	28.6	22.3	0.9	0.02	0.07	0	1.24	2.949	0.146	0.004
132-O1	1	0	32	33.2	25.6	0.9	0.02	0.07	0	1.26	3.289	0.171	0.004
133-G1	1	0	32	156.6	111.9	0.9	0.02	0.07	0	2	**19.504**	2.581	0.161
133-H1	1	0	32	107.9	77.8	0.9	0.02	0.07	0	1.71	**11.69**	1.138	0.052
134-O1	1	0	32	580.4	408.6	0.9	0.02	0.07	0	4.37	**78.8**	**38.692**	**9.899**
135-G1	1	0	32	116.1	83.6	0.9	0.02	0.07	0	1.76	**12.91**	1.329	0.065
135-H1	1	0	32	169.3	120.8	0.9	0.02	0.07	0	2.08	**21.739**	3.089	0.207
135-O1	1	0	32	113.9	82.1	0.9	0.02	0.07	0	1.75	**12.582**	1.277	0.061
136-A1	1	0	32	27.3	21.4	0.9	0.02	0.07	0	1.23	2.857	0.14	0.003
136-G1	1	0	32	25	19.8	0.9	0.02	0.07	0	1.21	2.702	0.129	0.003
136-H1	1	0	32	34.3	26.4	0.9	0.02	0.07	0	1.27	3.374	0.178	0.005
136-O1	1	0	32	204.6	145.5	0.9	0.02	0.07	0	2.28	**28.102**	4.779	0.383

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
137-O1	1	0	32	180.6	128.7	0.9	0.02	0.07	0	2.14	**23.75**	3.583	0.255
137-O2	1	0	32	122	87.7	0.9	0.02	0.07	0	1.8	**13.81**	1.479	0.075
138-G1	1	0	32	35.5	27.1	0.9	0.02	0.07	0	1.28	3.462	0.184	0.005
138-G2	1	0	32	48.1	36	0.9	0.02	0.07	0	1.35	4.527	0.272	0.008
138-H1	1	0	32	28.5	22.3	0.9	0.02	0.07	0	1.23	2.945	0.146	0.004
138-O1	1	0	32	24.4	19.4	0.9	0.02	0.07	0	1.21	2.663	0.127	0.003
138-O2	1	0	32	45.5	34.1	0.9	0.02	0.07	0	1.34	4.291	0.252	0.007
139-G1	1	0	32	46.7	35	0.9	0.02	0.07	0	1.35	4.398	0.261	0.007
139-G2	1	0	32	39.6	30	0.9	0.02	0.07	0	1.3	3.793	0.21	0.006
139-H1	1	0	32	42.7	32.2	0.9	0.02	0.07	0	1.32	4.048	0.231	0.006
139-N1	1	0	32	45.5	34.2	0.9	0.02	0.07	0	1.34	4.294	0.252	0.007
140-G1	1	0	32	263	186.4	0.9	0.02	0.07	0	2.62	**38.727**	**8.483**	0.881
140-H1	1	0	32	20.2	16.5	0.9	0.02	0.07	0	1.18	2.395	0.109	0.002
140-O1	1	0	32	494.1	348.2	0.9	0.02	0.07	0	3.91	**71.305**	**29.995**	**6.369**
140-O2	1	0	32	20.2	16.5	0.9	0.02	0.07	0	1.18	2.395	0.109	0.002
141-A1	1	0	32	39	29.6	0.9	0.02	0.07	0	1.3	3.737	0.206	0.005
141-H1	1	0	32	68.6	50.3	0.9	0.02	0.07	0	1.48	**6.606**	0.476	0.016
141-H2	1	0	32	80.4	58.6	0.9	0.02	0.07	0	1.55	**7.99**	0.634	0.024
141-H3	1	0	32	65.1	47.9	0.9	0.02	0.07	0	1.46	**6.22**	0.435	0.015
141-N1	1	0	32	29.5	22.9	0.9	0.02	0.07	0	1.24	3.011	0.151	0.004
141-N2	1	0	32	41.7	31.5	0.9	0.02	0.07	0	1.32	3.967	0.225	0.006
141-N3	1	0	32	12.4	11	0.9	0.02	0.07	0	1.14	1.943	0.081	0.002
141-N4	1	0	32	38.4	29.1	0.9	0.02	0.07	0	1.29	3.689	0.202	0.005
141-O1	1	0	32	43.9	33	0.9	0.02	0.07	0	1.33	4.154	0.24	0.007
142-H1	1	0	32	97.6	70.6	0.9	0.02	0.07	0	1.65	**10.227**	0.925	0.04
142-O1	1	0	32	69.2	50.7	0.9	0.02	0.07	0	1.48	**6.666**	0.483	0.017
143-A1	1	0	32	52	38.7	0.9	0.02	0.07	0	1.38	4.887	0.305	0.009
143-G1	1	0	32	65.9	48.5	0.9	0.02	0.07	0	1.46	**6.309**	0.445	0.015
143-G2	1	0	32	46.9	35.1	0.9	0.02	0.07	0	1.35	4.413	0.262	0.007
143-H1	1	0	32	70.6	51.7	0.9	0.02	0.07	0	1.49	**6.827**	0.5	0.017
144-G1	1	0	32	98.6	71.3	0.9	0.02	0.07	0	1.66	**10.363**	0.944	0.041
144-H1	1	0	32	140.5	100.7	0.9	0.02	0.07	0	1.91	**16.786**	2.021	0.115
145-A1	1	0	32	61.4	45.3	0.9	0.02	0.07	0	1.43	**5.824**	0.395	0.013
145-H1	1	0	32	159.9	114.2	0.9	0.02	0.07	0	2.02	**20.077**	2.707	0.172
146-H1	1	0	32	1802.4	1264	0.9	0.02	0.07	0	10.01	**99.483**	**93.022**	**68.346**
147-G1	1	0	32	59.7	44	0.9	0.02	0.07	0	1.42	**5.643**	0.377	0.012
147-G2	1	0	32	85	61.8	0.9	0.02	0.07	0	1.58	**8.557**	0.704	0.027
147-H1	1	0	32	83.3	60.6	0.9	0.02	0.07	0	1.57	**8.345**	0.677	0.026
148-H1	1	0	32	48.3	36.1	0.9	0.02	0.07	0	1.36	4.548	0.274	0.008
148-O1	1	0	32	61.7	45.5	0.9	0.02	0.07	0	1.44	**5.853**	0.398	0.013
148-O3	1	0	32	105.2	75.9	0.9	0.02	0.07	0	1.7	**11.293**	1.078	0.049
149-A1	1	0	32	46.5	34.8	0.9	0.02	0.07	0	1.34	4.381	0.26	0.007
149-G1	1	0	32	49	36.6	0.9	0.02	0.07	0	1.36	4.604	0.279	0.008
149-G2	1	0	32	54.4	40.4	0.9	0.02	0.07	0	1.39	**5.121**	0.326	0.01
149-H1	1	0	32	73.2	53.5	0.9	0.02	0.07	0	1.51	**7.126**	0.534	0.019
149-N1	1	0	32	34.4	26.4	0.9	0.02	0.07	0	1.27	3.378	0.178	0.005
150-G1	1	0	32	43.8	32.9	0.9	0.02	0.07	0	1.33	4.139	0.239	0.007
150-H1	1	0	32	37.9	28.9	0.9	0.02	0.07	0	1.29	3.655	0.199	0.005
151-H1	1	0	32	101.2	73.2	0.9	0.02	0.07	0	1.67	**10.735**	0.997	0.044

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
152-G1	1	0	32	114	82.1	0.9	0.02	0.07	0	1.75	**12.588**	1.278	0.061
152-H1	1	0	32	165.7	118.3	0.9	0.02	0.07	0	2.06	**21.107**	2.941	0.193
153-G1	1	0	32	105.6	76.3	0.9	0.02	0.07	0	1.7	**11.361**	1.088	0.049
153-H1	1	0	32	282.2	199.9	0.9	0.02	0.07	0	2.73	**42.1**	**9.919**	1.112
153-O1	1	0	32	222.5	158.1	0.9	0.02	0.07	0	2.39	**31.384**	**5.799**	0.506
153-O2	1	0	32	372.5	263.1	0.9	0.02	0.07	0	3.24	**56.518**	**17.807**	2.726
153-O3	1	0	32	220.4	156.6	0.9	0.02	0.07	0	2.38	**31.008**	**5.677**	0.49
153-O5	1	0	32	304.6	215.5	0.9	0.02	0.07	0	2.86	**45.916**	**11.714**	1.428
153-O6	1	0	32	101.9	73.6	0.9	0.02	0.07	0	1.68	**10.83**	1.01	0.045
153-O7	1	0	32	361	255	0.9	0.02	0.07	0	3.18	**54.839**	**16.721**	2.469
153-P1	1	0	32	280.1	198.4	0.9	0.02	0.07	0	2.72	**41.728**	**9.754**	1.085
154-G1	1	0	32	21.4	17.3	0.9	0.02	0.07	0	1.19	2.467	0.113	0.003
154-H1	1	0	32	21.8	17.5	0.9	0.02	0.07	0	1.19	2.493	0.115	0.003
155-G1	1	0	32	139.7	100.1	0.9	0.02	0.07	0	1.9	**16.646**	1.994	0.113
155-G2	1	0	32	91.7	66.5	0.9	0.02	0.07	0	1.62	**9.431**	0.816	0.034
155-H1	1	0	32	52.4	39	0.9	0.02	0.07	0	1.38	4.927	0.308	0.009
155-H2	1	0	32	168.3	120.1	0.9	0.02	0.07	0	2.07	**21.551**	3.044	0.202
155-O2	1	0	32	270.9	191.9	0.9	0.02	0.07	0	2.67	**40.12**	**9.059**	0.972
156-H1	1	0	32	81.7	59.5	0.9	0.02	0.07	0	1.56	**8.145**	0.653	0.025
156-O1	1	0	32	145.8	104.4	0.9	0.02	0.07	0	1.94	**17.676**	2.197	0.129
157-G1	1	0	32	41.7	31.5	0.9	0.02	0.07	0	1.31	3.96	0.224	0.006
157-H1	1	0	32	92.5	67.1	0.9	0.02	0.07	0	1.62	**9.543**	0.831	0.034
157-H2	1	0	32	63.1	46.5	0.9	0.02	0.07	0	1.44	**6.004**	0.413	0.014
157-O1	1	0	32	67.1	49.3	0.9	0.02	0.07	0	1.47	**6.438**	0.458	0.016
158-H1	1	0	32	33.8	26	0.9	0.02	0.07	0	1.27	3.333	0.175	0.004
158-O1	1	0	32	51.2	38.1	0.9	0.02	0.07	0	1.37	4.808	0.297	0.009
159-G1	1	0	32	70.3	51.5	0.9	0.02	0.07	0	1.49	**6.798**	0.497	0.017
159-H1	1	0	32	59.6	44	0.9	0.02	0.07	0	1.42	**5.64**	0.376	0.012
159-H2	1	0	32	101	73	0.9	0.02	0.07	0	1.67	**10.696**	0.991	0.043
159-O1	1	0	32	44.3	33.3	0.9	0.02	0.07	0	1.33	4.183	0.243	0.007
159-O2	1	0	32	51.2	38.2	0.9	0.02	0.07	0	1.37	4.816	0.298	0.009
160-G1	1	0	32	130.4	93.6	0.9	0.02	0.07	0	1.85	**15.138**	1.711	0.091
160-H1	1	0	32	80.3	58.5	0.9	0.02	0.07	0	1.55	**7.969**	0.632	0.024
160-H2	1	0	32	75.1	54.8	0.9	0.02	0.07	0	1.52	**7.343**	0.558	0.02
161-H1	1	0	32	129.6	93	0.9	0.02	0.07	0	1.84	**15.003**	1.687	0.089
161-N1	1	0	32	100.7	72.8	0.9	0.02	0.07	0	1.67	**10.656**	0.985	0.043
162-H1	1	0	32	80.7	58.8	0.9	0.02	0.07	0	1.55	**8.029**	0.639	0.024
163-G1	1	0	32	53	39.4	0.9	0.02	0.07	0	1.38	4.983	0.313	0.009
163-O1	1	0	32	71	52	0.9	0.02	0.07	0	1.49	**6.875**	0.506	0.018
164-H1	1	0	32	130.1	93.4	0.9	0.02	0.07	0	1.85	**15.094**	1.703	0.091
165-H1	1	0	32	13.2	11.6	0.9	0.02	0.07	0	1.14	1.986	0.083	0.002
165-O1	1	0	32	62.6	46.2	0.9	0.02	0.07	0	1.44	**5.955**	0.408	0.013
166-O1	1	0	32	254.2	180.2	0.9	0.02	0.07	0	2.57	**37.141**	**7.854**	0.787
167-O1	1	0	32	99.3	71.8	0.9	0.02	0.07	0	1.66	**10.461**	0.958	0.042
167-O2	1	0	32	154.5	110.5	0.9	0.02	0.07	0	1.99	**19.155**	2.505	0.154
167-O3	1	0	32	223.8	158.9	0.9	0.02	0.07	0	2.4	**31.62**	**5.877**	0.516
167-O4	1	0	32	175.9	125.4	0.9	0.02	0.07	0	2.12	**22.908**	3.372	0.234
167-O5	1	0	32	224.2	159.2	0.9	0.02	0.07	0	2.4	**31.696**	**5.902**	0.519
167-O6	1	0	32	246.5	174.9	0.9	0.02	0.07	0	2.53	**35.757**	**7.328**	0.711

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
167-O7	1	0	32	397.1	280.3	0.9	0.02	0.07	0	3.38	**59.945**	**20.188**	3.326
167-O8	1	0	32	205.3	146	0.9	0.02	0.07	0	2.29	**28.232**	4.818	0.387
167-O9	1	0	32	196.9	140.1	0.9	0.02	0.07	0	2.24	**26.696**	4.374	0.338
168-G1	1	0	32	37.5	28.6	0.9	0.02	0.07	0	1.29	3.622	0.197	0.005
168-G2	1	0	32	38	28.9	0.9	0.02	0.07	0	1.29	3.663	0.2	0.005
168-H1	1	0	32	28.8	22.4	0.9	0.02	0.07	0	1.24	2.963	0.147	0.004
168-N1	1	0	32	32.7	25.2	0.9	0.02	0.07	0	1.26	3.251	0.168	0.004
168-O1	1	0	32	48.2	36	0.9	0.02	0.07	0	1.35	4.535	0.273	0.008
169-G2	1	0	32	36.5	27.9	0.9	0.02	0.07	0	1.28	3.542	0.191	0.005
169-G3	1	0	32	54.8	40.6	0.9	0.02	0.07	0	1.39	**5.155**	0.329	0.01
169-G4	1	0	32	52.3	38.9	0.9	0.02	0.07	0	1.38	4.911	0.307	0.009
169-H1	1	0	32	41.5	31.3	0.9	0.02	0.07	0	1.31	3.946	0.223	0.006
170-G1	1	0	32	47.3	35.4	0.9	0.02	0.07	0	1.35	4.451	0.266	0.008
170-G2	1	0	32	116.9	84.2	0.9	0.02	0.07	0	1.77	**13.034**	1.35	0.066
170-H1	1	0	32	77	56.2	0.9	0.02	0.07	0	1.53	**7.579**	0.585	0.022
171-A1	1	0	32	155.6	111.3	0.9	0.02	0.07	0	2	**19.348**	2.547	0.158
171-G1	1	0	32	240.6	170.7	0.9	0.02	0.07	0	2.49	**34.69**	**6.936**	0.656
171-H1	1	0	32	233.5	165.7	0.9	0.02	0.07	0	2.45	**33.392**	**6.477**	0.594
173-G1	1	0	32	49.2	36.8	0.9	0.02	0.07	0	1.36	4.627	0.281	0.008
173-G2	1	0	32	17	14.2	0.9	0.02	0.07	0	1.16	2.2	0.096	0.002
173-G3	1	0	32	86.7	63	0.9	0.02	0.07	0	1.59	**8.773**	0.731	0.029
173-G4	1	0	32	120.3	86.5	0.9	0.02	0.07	0	1.79	**13.551**	1.435	0.072
173-G5	1	0	32	26.1	20.6	0.9	0.02	0.07	0	1.22	2.776	0.134	0.003
173-H1	1	0	32	136.6	97.9	0.9	0.02	0.07	0	1.88	**16.138**	1.896	0.105
173-P1	1	0	32	175	124.8	0.9	0.02	0.07	0	2.11	**22.747**	3.332	0.23
174-A1	1	0	32	71.9	52.7	0.9	0.02	0.07	0	1.5	**6.98**	0.517	0.018
174-G1	1	0	32	78.9	57.5	0.9	0.02	0.07	0	1.54	**7.806**	0.612	0.023
174-H1	1	0	32	179.5	127.9	0.9	0.02	0.07	0	2.14	**23.55**	3.533	0.249
175-G1	1	0	32	77.2	56.4	0.9	0.02	0.07	0	1.53	**7.602**	0.588	0.022
175-G2	1	0	32	26.8	21	0.9	0.02	0.07	0	1.22	2.824	0.138	0.003
175-H1	1	0	32	75.5	55.1	0.9	0.02	0.07	0	1.52	**7.393**	0.564	0.02
176-A1	1	0	32	39.3	29.8	0.9	0.02	0.07	0	1.3	3.765	0.208	0.006
176-H1	1	0	32	50.3	37.5	0.9	0.02	0.07	0	1.37	4.729	0.29	0.009
176-H2	1	0	32	29	22.6	0.9	0.02	0.07	0	1.24	2.981	0.149	0.004
176-P1	1	0	32	39	29.6	0.9	0.02	0.07	0	1.3	3.744	0.207	0.005
178-H1	1	0	32	29.1	22.7	0.9	0.02	0.07	0	1.24	2.987	0.149	0.004
179-H1	1	0	32	82.9	60.3	0.9	0.02	0.07	0	1.56	**8.3**	0.672	0.026
180-H1	1	0	32	421.7	297.5	0.9	0.02	0.07	0	3.51	**63.149**	**22.631**	3.997
180-H2	1	0	32	20.2	16.5	0.9	0.02	0.07	0	1.18	2.395	0.109	0.002
180-O1	1	0	32	479.9	338.2	0.9	0.02	0.07	0	3.83	**69.848**	**28.542**	**5.858**
181-A1	1	0	32	106.1	76.6	0.9	0.02	0.07	0	1.7	**11.423**	1.098	0.05
181-G1	1	0	32	48.7	36.4	0.9	0.02	0.07	0	1.36	4.577	0.277	0.008
181-G2	1	0	32	112.3	80.9	0.9	0.02	0.07	0	1.74	**12.334**	1.237	0.059
181-H1	1	0	32	121.4	87.3	0.9	0.02	0.07	0	1.79	**13.719**	1.463	0.074
181-H2	1	0	32	115	82.8	0.9	0.02	0.07	0	1.76	**12.742**	1.302	0.063
181-N1	1	0	32	126.7	91	0.9	0.02	0.07	0	1.83	**14.553**	1.607	0.084
181-N2	1	0	32	138.4	99.2	0.9	0.02	0.07	0	1.9	**16.446**	1.955	0.11
181-O1	1	0	32	57.3	42.4	0.9	0.02	0.07	0	1.41	**5.405**	0.353	0.011
182-G1	1	0	32	199.4	141.9	0.9	0.02	0.07	0	2.25	**27.155**	4.504	0.352

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
182-G2	1	0	32	179.8	128.2	0.9	0.02	0.07	0	2.14	**23.607**	3.547	0.251
182-H1	1	0	32	138.6	99.3	0.9	0.02	0.07	0	1.9	**16.465**	1.959	0.11
182-H2	1	0	32	133.8	95.9	0.9	0.02	0.07	0	1.87	**15.682**	1.811	0.099
182-O1	1	0	32	110.2	79.4	0.9	0.02	0.07	0	1.73	**12.027**	1.19	0.056
182-O2	1	0	32	186	132.5	0.9	0.02	0.07	0	2.18	**24.718**	3.834	0.28
182-O3	1	0	32	178.6	127.3	0.9	0.02	0.07	0	2.13	**23.399**	3.494	0.246
184-H1	1	0	32	188.9	134.5	0.9	0.02	0.07	0	2.19	**25.238**	3.973	0.294
185-A1	1	0	32	33.8	26	0.9	0.02	0.07	0	1.27	3.335	0.175	0.004
185-H1	1	0	32	32.6	25.1	0.9	0.02	0.07	0	1.26	3.238	0.167	0.004
186-O1	1	0	32	350	247.3	0.9	0.02	0.07	0	3.11	**53.183**	**15.697**	2.238
187-H1	1	0	32	107.5	77.6	0.9	0.02	0.07	0	1.71	**11.63**	1.129	0.052
188-A1	1	0	32	78.2	57.1	0.9	0.02	0.07	0	1.54	**7.724**	0.602	0.022
188-G1	1	0	32	116.9	84.2	0.9	0.02	0.07	0	1.77	**13.034**	1.35	0.066
188-G2	1	0	32	122	87.7	0.9	0.02	0.07	0	1.8	**13.81**	1.479	0.075
188-G3	1	0	32	61.7	45.5	0.9	0.02	0.07	0	1.44	**5.853**	0.398	0.013
188-H1	1	0	32	39	29.6	0.9	0.02	0.07	0	1.3	3.744	0.207	0.005
188-P1	1	0	32	56.6	41.9	0.9	0.02	0.07	0	1.41	**5.337**	0.347	0.011
189-G1	1	0	32	44	33.1	0.9	0.02	0.07	0	1.33	4.161	0.241	0.007
189-H1	1	0	32	76.3	55.7	0.9	0.02	0.07	0	1.52	**7.492**	0.575	0.021
189-H2	1	0	32	103.5	74.7	0.9	0.02	0.07	0	1.69	**11.052**	1.043	0.047
189-O1	1	0	32	119.8	86.2	0.9	0.02	0.07	0	1.79	**13.473**	1.422	0.071
190-G1	1	0	32	18.3	15.1	0.9	0.02	0.07	0	1.17	2.275	0.101	0.002
190-H1	1	0	32	41.5	31.3	0.9	0.02	0.07	0	1.31	3.943	0.223	0.006
190-N1	1	0	32	26.9	21.1	0.9	0.02	0.07	0	1.22	2.834	0.138	0.003
190-N2	1	0	32	24.4	19.4	0.9	0.02	0.07	0	1.21	2.663	0.127	0.003
190-N3	1	0	32	21	17	0.9	0.02	0.07	0	1.19	2.44	0.112	0.002
190-O1	1	0	32	62.8	46.2	0.9	0.02	0.07	0	1.44	**5.968**	0.409	0.013
191-H1	1	0	32	211.2	150.1	0.9	0.02	0.07	0	2.32	**29.31**	**5.142**	0.425
192-A1	1	0	32	37.4	28.5	0.9	0.02	0.07	0	1.29	3.615	0.196	0.005
192-G1	1	0	32	28.4	22.2	0.9	0.02	0.07	0	1.23	2.939	0.146	0.003
192-H1	1	0	32	34	26.1	0.9	0.02	0.07	0	1.27	3.344	0.175	0.004
193-G1	1	0	32	18.6	15.3	0.9	0.02	0.07	0	1.17	2.295	0.102	0.002
193-H1	1	0	32	21.4	17.3	0.9	0.02	0.07	0	1.19	2.469	0.114	0.003
194-H1	1	0	32	27.5	21.5	0.9	0.02	0.07	0	1.23	2.87	0.141	0.003
194-N1	1	0	32	34.2	26.2	0.9	0.02	0.07	0	1.27	3.359	0.177	0.004
195-G1	1	0	32	77.8	56.8	0.9	0.02	0.07	0	1.53	**7.673**	0.596	0.022
195-G2	1	0	32	154.8	110.7	0.9	0.02	0.07	0	1.99	**19.203**	2.516	0.155
195-O1	1	0	32	195.5	139.1	0.9	0.02	0.07	0	2.23	**26.442**	4.302	0.33
196-A1	1	0	32	57.5	42.5	0.9	0.02	0.07	0	1.41	**5.421**	0.355	0.011
196-A2	1	0	32	68.7	50.4	0.9	0.02	0.07	0	1.48	**6.609**	0.477	0.016
196-G1	1	0	32	47.7	35.7	0.9	0.02	0.07	0	1.35	4.489	0.269	0.008
196-O1	1	0	32	69	50.6	0.9	0.02	0.07	0	1.48	**6.643**	0.48	0.017
197-H1	1	0	32	140.9	100.9	0.9	0.02	0.07	0	1.91	**16.855**	2.034	0.116
198-G1	1	0	32	78.3	57.1	0.9	0.02	0.07	0	1.54	**7.736**	0.604	0.022
198-H1	1	0	32	168.3	120.1	0.9	0.02	0.07	0	2.07	**21.551**	3.044	0.202
199-G1	1	0	32	14.7	12.6	0.9	0.02	0.07	0	1.15	2.069	0.088	0.002
199-O1	1	0	32	26.5	20.8	0.9	0.02	0.07	0	1.22	2.802	0.136	0.003
200-G1	1	0	32	29.9	23.2	0.9	0.02	0.07	0	1.24	3.041	0.153	0.004
200-H1	1	0	32	29.1	22.7	0.9	0.02	0.07	0	1.24	2.987	0.149	0.004

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
200-O1	1	0	32	27.7	21.7	0.9	0.02	0.07	0	1.23	2.886	0.142	0.003
201-O1	1	0	32	324.8	229.7	0.9	0.02	0.07	0	2.97	**49.238**	**13.437**	1.76
202-H1	1	0	32	173.3	123.6	0.9	0.02	0.07	0	2.1	**22.447**	3.259	0.223
202-N1	1	0	32	57.9	42.8	0.9	0.02	0.07	0	1.41	**5.464**	0.359	0.011
202-O1	1	0	32	137	98.2	0.9	0.02	0.07	0	1.89	**16.207**	1.909	0.106
203-H1	1	0	32	20.2	16.5	0.9	0.02	0.07	0	1.18	2.395	0.109	0.002
203-O1	1	0	32	20.2	16.5	0.9	0.02	0.07	0	1.18	2.395	0.109	0.002
203-O2	1	0	32	479.2	337.8	0.9	0.02	0.07	0	3.83	**69.775**	**28.47**	**5.833**
205-O1	1	0	32	507.3	357.4	0.9	0.02	0.07	0	3.98	**72.592**	**31.336**	**6.859**
206-A1	1	0	32	116.1	83.6	0.9	0.02	0.07	0	1.76	**12.907**	1.329	0.065
206-G1	1	0	32	50.4	37.6	0.9	0.02	0.07	0	1.37	4.737	0.291	0.009
206-H1	1	0	32	18	14.9	0.9	0.02	0.07	0	1.17	2.258	0.1	0.002
206-H2	1	0	32	285	201.8	0.9	0.02	0.07	0	2.75	**42.576**	**10.133**	1.148
206-O1	1	0	32	252.4	179	0.9	0.02	0.07	0	2.56	**36.821**	**7.73**	0.769
207-O1	1	0	32	110.8	79.9	0.9	0.02	0.07	0	1.73	**12.117**	1.204	0.057
208-H1	1	0	32	264.1	187.2	0.9	0.02	0.07	0	2.63	**38.915**	**8.559**	0.893
209-G1	1	0	32	238.7	169.4	0.9	0.02	0.07	0	2.48	**34.336**	**6.809**	0.638
209-H1	1	0	32	391.9	276.6	0.9	0.02	0.07	0	3.35	**59.239**	**19.679**	3.193
209-P1	1	0	32	517.6	364.6	0.9	0.02	0.07	0	4.03	**73.563**	**32.386**	**7.257**
210-H1	1	0	32	113.6	81.8	0.9	0.02	0.07	0	1.75	**12.524**	1.267	0.061
210-O1	1	0	32	127.9	91.8	0.9	0.02	0.07	0	1.83	**14.736**	1.639	0.086
211-A1	1	0	32	71.8	52.6	0.9	0.02	0.07	0	1.5	**6.971**	0.516	0.018
211-G1	1	0	32	38.6	29.3	0.9	0.02	0.07	0	1.3	3.71	0.204	0.005
211-G2	1	0	32	44.7	33.6	0.9	0.02	0.07	0	1.33	4.22	0.246	0.007
211-H1	1	0	32	70.7	51.8	0.9	0.02	0.07	0	1.49	**6.836**	0.501	0.018
211-O1	1	0	32	127.3	91.4	0.9	0.02	0.07	0	1.83	**14.646**	1.624	0.085
212-H1	1	0	32	188.5	134.2	0.9	0.02	0.07	0	2.19	**25.17**	3.954	0.293
212-H2	1	0	32	149.1	106.7	0.9	0.02	0.07	0	1.96	**18.237**	2.312	0.138
213-O1	1	0	32	35.5	27.1	0.9	0.02	0.07	0	1.28	3.459	0.184	0.005
213-O2	1	0	32	84.3	61.3	0.9	0.02	0.07	0	1.57	**8.478**	0.694	0.027
213-O3	1	0	32	57.5	42.5	0.9	0.02	0.07	0	1.41	**5.426**	0.355	0.011
801-O1	1	0	32	28.9	22.5	0.9	0.02	0.07	0	1.24	2.973	0.148	0.004
801-O2	1	0	32	14.9	12.8	0.9	0.02	0.07	0	1.15	2.082	0.089	0.002
801-O3	1	0	32	31.1	24.1	0.9	0.02	0.07	0	1.25	3.132	0.16	0.004
802-O1	1	0	32	150.3	107.5	0.9	0.02	0.07	0	1.97	**18.436**	2.353	0.141
803-O1	1	0	32	446.5	314.8	0.9	0.02	0.07	0	3.65	**66.145**	**25.129**	4.742
803-O2	1	0	32	314.6	222.6	0.9	0.02	0.07	0	2.92	**47.588**	**12.562**	1.588
803-O3	1	0	32	234.7	166.6	0.9	0.02	0.07	0	2.46	**33.619**	**6.555**	0.604
804-O1	1	0	32	102.1	73.8	0.9	0.02	0.07	0	1.68	**10.854**	1.014	0.045
804-O2	1	0	32	254.1	180.1	0.9	0.02	0.07	0	2.57	**37.123**	**7.847**	0.786
805-O1	1	0	32	38.2	29	0.9	0.02	0.07	0	1.29	3.676	0.201	0.005
805-O2	1	0	32	45.5	34.1	0.9	0.02	0.07	0	1.34	4.291	0.252	0.007
806-O1	1	0	32	28.4	22.1	0.9	0.02	0.07	0	1.23	2.933	0.145	0.003
806-O2	1	0	32	29.6	23	0.9	0.02	0.07	0	1.24	3.022	0.152	0.004
806-O3	1	0	32	50.7	37.8	0.9	0.02	0.07	0	1.37	4.76	0.293	0.009
806-O4	1	0	32	36.9	28.1	0.9	0.02	0.07	0	1.29	3.575	0.193	0.005
806-O5	1	0	32	37.3	28.5	0.9	0.02	0.07	0	1.29	3.608	0.196	0.005
807-O1	1	0	32	29	22.6	0.9	0.02	0.07	0	1.24	2.983	0.149	0.004
808-O1	1	0	32	33.7	25.9	0.9	0.02	0.07	0	1.27	3.327	0.174	0.004

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
808-O2	1	0	32	35.8	27.4	0.9	0.02	0.07	0	1.28	3.489	0.186	0.005
203-O3	1	0	32	20.2	16.5	0.9	0.02	0.07	0	1.18	2.395	0.109	0.002
203-O4	1	0	32	20.2	16.5	0.9	0.02	0.07	0	1.18	2.395	0.109	0.002

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 2/20/2020
Site Name: UCR
Operable Unit: Current Resident, Sturgeon
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: RES STU_02`20`20.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
13	1	0	32	92.4	67	0.9	0.02	0.02	0	1.61	**9.337**	0.804	0.033
14	1	0	32	77.1	56.3	0.9	0.02	0.02	0	1.52	**7.414**	0.566	0.021
15	1	0	32	93.6	67.8	0.9	0.02	0.02	0	1.62	**9.487**	0.824	0.034
16	1	0	32	356	251.5	0.9	0.02	0.02	0	3.14	**53.867**	**16.114**	2.331
17	1	0	32	150.5	107.7	0.9	0.02	0.02	0	1.96	**18.222**	2.309	0.138
9	1	0	32	91.8	66.5	0.9	0.02	0.02	0	1.61	**9.247**	0.792	0.032
40	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
1015	1	0	32	47.6	35.6	0.9	0.02	0.02	0	1.34	4.35	0.257	0.007
1017	1	0	32	139.2	99.8	0.9	0.02	0.02	0	1.89	**16.339**	1.934	0.108
1018	1	0	32	51.9	38.6	0.9	0.02	0.02	0	1.37	4.738	0.291	0.009
42	1	0	32	229.6	163.1	0.9	0.02	0.02	0	2.42	**32.428**	**6.146**	0.55
44	1	0	32	99.7	72.1	0.9	0.02	0.02	0	1.66	**10.32**	0.938	0.04
46	1	0	32	188.7	134.4	0.9	0.02	0.02	0	2.18	**24.947**	3.895	0.286
47	1	0	32	222.3	157.9	0.9	0.02	0.02	0	2.38	**31.083**	**5.701**	0.493
49	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
60	1	0	32	59.3	43.8	0.9	0.02	0.02	0	1.41	**5.455**	0.358	0.011
61	1	0	32	137.2	98.3	0.9	0.02	0.02	0	1.88	**16.002**	1.871	0.103
22	1	0	32	118.9	85.5	0.9	0.02	0.02	0	1.77	**13.108**	1.362	0.067
25	1	0	32	54.5	40.4	0.9	0.02	0.02	0	1.38	4.984	0.314	0.009
27	1	0	32	135.3	97	0.9	0.02	0.02	0	1.87	**15.686**	1.812	0.099
28	1	0	32	49.2	36.8	0.9	0.02	0.02	0	1.35	4.497	0.27	0.008
29	1	0	32	42.7	32.2	0.9	0.02	0.02	0	1.31	3.927	0.221	0.006
30	1	0	32	51.6	38.4	0.9	0.02	0.02	0	1.37	4.712	0.289	0.008
31	1	0	32	255.8	181.3	0.9	0.02	0.02	0	2.57	**37.167**	**7.864**	0.788
33	1	0	32	206.4	146.8	0.9	0.02	0.02	0	2.29	**28.175**	4.801	0.386
35	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
35PA	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
39	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
226C	1	0	32	395.3	279	0.9	0.02	0.02	0	3.36	**59.501**	**19.866**	3.242
55	1	0	32	67.1	49.2	0.9	0.02	0.02	0	1.46	**6.274**	0.441	0.015

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
56	1	0	32	185.9	132.4	0.9	0.02	0.02	0	2.17	**24.446**	3.763	0.273
58	1	0	32	73.3	53.6	0.9	0.02	0.02	0	1.5	**6.971**	0.516	0.018
59	1	0	32	206.6	146.9	0.9	0.02	0.02	0	2.29	**28.208**	4.81	0.387
59A	1	0	32	335.3	237	0.9	0.02	0.02	0	3.02	**50.674**	**14.232**	1.923
62	1	0	32	118.1	85	0.9	0.02	0.02	0	1.77	**12.988**	1.342	0.065
62G	1	0	32	70.6	51.7	0.9	0.02	0.02	0	1.48	**6.662**	0.482	0.017
66	1	0	32	141.1	101	0.9	0.02	0.02	0	1.9	**16.638**	1.992	0.112
67	1	0	32	174.5	124.4	0.9	0.02	0.02	0	2.1	**22.393**	3.246	0.221
70	1	0	32	202.6	144.1	0.9	0.02	0.02	0	2.26	**27.48**	4.597	0.362
71	1	0	32	127	91.2	0.9	0.02	0.02	0	1.82	**14.365**	1.574	0.081
72M	1	0	32	253.9	180.1	0.9	0.02	0.02	0	2.56	**36.839**	**7.737**	0.77
72U	1	0	32	109.7	79.1	0.9	0.02	0.02	0	1.72	**11.738**	1.145	0.053
75	1	0	32	381.8	269.6	0.9	0.02	0.02	0	3.28	**57.637**	**18.56**	2.91
82	1	0	32	54.8	40.6	0.9	0.02	0.02	0	1.39	**5.014**	0.316	0.01
85	1	0	32	57.4	42.5	0.9	0.02	0.02	0	1.4	**5.267**	0.34	0.011
86	1	0	32	115.3	83	0.9	0.02	0.02	0	1.75	**12.574**	1.275	0.061
87	1	0	32	99.5	72	0.9	0.02	0.02	0	1.66	**10.297**	0.934	0.04
94M	1	0	32	73.9	54	0.9	0.02	0.02	0	1.5	**7.041**	0.524	0.019
106	1	0	32	387.2	273.4	0.9	0.02	0.02	0	3.31	**58.397**	**19.084**	3.041
107	1	0	32	169.3	120.8	0.9	0.02	0.02	0	2.07	**21.483**	3.028	0.201
108	1	0	32	185.4	132.1	0.9	0.02	0.02	0	2.16	**24.356**	3.739	0.27
109	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
110	1	0	32	88.5	64.3	0.9	0.02	0.02	0	1.59	**8.827**	0.738	0.029
110G	1	0	32	41.5	31.4	0.9	0.02	0.02	0	1.31	3.83	0.213	0.006
111	1	0	32	70.4	51.5	0.9	0.02	0.02	0	1.48	**6.638**	0.48	0.017
112	1	0	32	471.3	332.2	0.9	0.02	0.02	0	3.78	**68.778**	**27.516**	**5.51**
112G	1	0	32	181.5	129.4	0.9	0.02	0.02	0	2.14	**23.659**	3.56	0.252
113low	1	0	32	263	186.4	0.9	0.02	0.02	0	2.61	**38.468**	**8.378**	0.865
113up	1	0	32	398.8	281.5	0.9	0.02	0.02	0	3.38	**59.983**	**20.216**	3.333
115SP	1	0	32	493.1	347.5	0.9	0.02	0.02	0	3.89	**71.056**	**29.742**	**6.278**
21	1	0	32	104.1	75.2	0.9	0.02	0.02	0	1.68	**10.93**	1.025	0.045
21G	1	0	32	337.4	238.5	0.9	0.02	0.02	0	3.04	**51.014**	**14.424**	1.963
116M	1	0	32	347.4	245.4	0.9	0.02	0.02	0	3.09	**52.558**	**15.322**	2.155
122	1	0	32	69	50.6	0.9	0.02	0.02	0	1.47	**6.491**	0.464	0.016
121	1	0	32	148.3	106.1	0.9	0.02	0.02	0	1.95	**17.846**	2.232	0.131
123	1	0	32	336.5	237.9	0.9	0.02	0.02	0	3.03	**50.879**	**14.348**	1.947
135	1	0	32	130.2	93.5	0.9	0.02	0.02	0	1.84	**14.879**	1.665	0.088
146	1	0	32	81.4	59.3	0.9	0.02	0.02	0	1.55	**7.935**	0.627	0.024
146G	1	0	32	43.2	32.6	0.9	0.02	0.02	0	1.32	3.973	0.225	0.006
147	1	0	32	50.9	37.9	0.9	0.02	0.02	0	1.36	4.649	0.283	0.008
151	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
152	1	0	32	183.4	130.7	0.9	0.02	0.02	0	2.15	**23.999**	3.647	0.261
160	1	0	32	153.4	109.7	0.9	0.02	0.02	0	1.98	**18.706**	2.41	0.146
163	1	0	32	158.1	113	0.9	0.02	0.02	0	2	**19.522**	2.585	0.161
163G	1	0	32	222.8	158.3	0.9	0.02	0.02	0	2.38	**31.179**	**5.733**	0.497
164	1	0	32	118	84.9	0.9	0.02	0.02	0	1.77	**12.97**	1.339	0.065
167	1	0	32	71.4	52.3	0.9	0.02	0.02	0	1.49	**6.758**	0.493	0.017

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
168	1	0	32	365.9	258.4	0.9	0.02	0.02	0	3.2	**55.344**	**17.042**	2.544
169	1	0	32	262	185.7	0.9	0.02	0.02	0	2.61	**38.277**	**8.302**	0.854
169A	1	0	32	238.9	169.5	0.9	0.02	0.02	0	2.47	**34.112**	**6.729**	0.628
320new	1	0	32	555.7	391.3	0.9	0.02	0.02	0	4.23	**76.755**	**36.09**	**8.754**
216	1	0	32	310.2	219.4	0.9	0.02	0.02	0	2.88	**46.615**	**12.064**	1.493
1030	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
170	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
172U	1	0	32	294	208.1	0.9	0.02	0.02	0	2.79	**43.889**	**10.737**	1.252
174M	1	0	32	23.7	18.9	0.9	0.02	0.02	0	1.2	2.524	0.117	0.003
175	1	0	32	171.3	122.2	0.9	0.02	0.02	0	2.08	**21.829**	3.11	0.209
238G	1	0	32	47.1	35.3	0.9	0.02	0.02	0	1.34	4.309	0.253	0.007
238M	1	0	32	34.9	26.8	0.9	0.02	0.02	0	1.26	3.308	0.173	0.004
176G	1	0	32	140.1	100.4	0.9	0.02	0.02	0	1.9	**16.489**	1.963	0.11
176M	1	0	32	215.9	153.4	0.9	0.02	0.02	0	2.34	**29.908**	**5.328**	0.448
177	1	0	32	172.8	123.2	0.9	0.02	0.02	0	2.09	**22.093**	3.173	0.215
206	1	0	32	142.4	101.9	0.9	0.02	0.02	0	1.91	**16.853**	2.034	0.116
208	1	0	32	161.9	115.6	0.9	0.02	0.02	0	2.03	**20.176**	2.729	0.174
208AA	1	0	32	173.4	123.6	0.9	0.02	0.02	0	2.09	**22.195**	3.198	0.217
208BM	1	0	32	112.5	81.1	0.9	0.02	0.02	0	1.73	**12.155**	1.209	0.057
208G	1	0	32	92.1	66.7	0.9	0.02	0.02	0	1.61	**9.285**	0.797	0.032
209A	1	0	32	115.7	83.3	0.9	0.02	0.02	0	1.75	**12.628**	1.284	0.062
213	1	0	32	440.1	310.4	0.9	0.02	0.02	0	3.61	**65.225**	**24.338**	4.499
185	1	0	32	196.7	140	0.9	0.02	0.02	0	2.23	**26.394**	4.289	0.328
185G	1	0	32	71	52	0.9	0.02	0.02	0	1.48	**6.713**	0.488	0.017
186	1	0	32	242.3	171.9	0.9	0.02	0.02	0	2.49	**34.735**	**6.952**	0.658
1035	1	0	32	114.9	82.8	0.9	0.02	0.02	0	1.75	**12.515**	1.266	0.061
1036	1	0	32	76.8	56	0.9	0.02	0.02	0	1.52	**7.377**	0.562	0.02
1037	1	0	32	98.4	71.2	0.9	0.02	0.02	0	1.65	**10.145**	0.913	0.039
189	1	0	32	154.4	110.4	0.9	0.02	0.02	0	1.98	**18.891**	2.449	0.15
1060	1	0	32	127.8	91.8	0.9	0.02	0.02	0	1.82	**14.492**	1.596	0.083
192	1	0	32	262.5	186	0.9	0.02	0.02	0	2.61	**38.362**	**8.336**	0.859
1020	1	0	32	96.5	69.9	0.9	0.02	0.02	0	1.64	**9.883**	0.877	0.037
1021	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
193	1	0	32	140.2	100.4	0.9	0.02	0.02	0	1.9	**16.5**	1.965	0.11
194	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
218	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
201	1	0	32	447.1	315.3	0.9	0.02	0.02	0	3.64	**66.052**	**25.048**	4.717
201G	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
203	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
229	1	0	32	48.6	36.3	0.9	0.02	0.02	0	1.35	4.44	0.265	0.008
230G	1	0	32	80.1	58.4	0.9	0.02	0.02	0	1.54	**7.771**	0.608	0.023
196	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
231	1	0	32	125.5	90.1	0.9	0.02	0.02	0	1.81	**14.127**	1.533	0.078
231Lower	1	0	32	138	98.9	0.9	0.02	0.02	0	1.88	**16.13**	1.895	0.105
7	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
154	1	0	32	66.3	48.7	0.9	0.02	0.02	0	1.46	**6.197**	0.433	0.014
246	1	0	32	29.2	22.8	0.9	0.02	0.02	0	1.23	2.892	0.142	0.003

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
18	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
20	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
249	1	0	32	85.9	62.5	0.9	0.02	0.02	0	1.57	**8.497**	0.696	0.027
250	1	0	32	92.2	66.8	0.9	0.02	0.02	0	1.61	**9.3**	0.799	0.033
253	1	0	32	110	79.3	0.9	0.02	0.02	0	1.72	**11.779**	1.151	0.053
258	1	0	32	767.7	539.7	0.9	0.02	0.02	0	5.33	**88.92**	**55.387**	**19.364**
259	1	0	32	240.7	170.8	0.9	0.02	0.02	0	2.49	**34.437**	**6.845**	0.643
284M	1	0	32	152.7	109.2	0.9	0.02	0.02	0	1.97	**18.594**	2.386	0.144
285M	1	0	32	157.6	112.7	0.9	0.02	0.02	0	2	**19.443**	2.567	0.16
287	1	0	32	150.2	107.4	0.9	0.02	0.02	0	1.96	**18.17**	2.298	0.137
288	1	0	32	68.2	50	0.9	0.02	0.02	0	1.47	**6.394**	0.454	0.015
288G1	1	0	32	79.7	58.1	0.9	0.02	0.02	0	1.54	**7.72**	0.602	0.022
288G2	1	0	32	59.8	44.2	0.9	0.02	0.02	0	1.42	**5.516**	0.364	0.012
289G3	1	0	32	76.3	55.7	0.9	0.02	0.02	0	1.52	**7.318**	0.555	0.02
291	1	0	32	77.6	56.6	0.9	0.02	0.02	0	1.52	**7.468**	0.573	0.021
306	1	0	32	86.1	62.6	0.9	0.02	0.02	0	1.57	**8.519**	0.699	0.027
315	1	0	32	37.7	28.7	0.9	0.02	0.02	0	1.28	3.521	0.189	0.005
316	1	0	32	105.2	75.9	0.9	0.02	0.02	0	1.69	**11.084**	1.047	0.047
317	1	0	32	227.9	161.8	0.9	0.02	0.02	0	2.41	**32.107**	**6.038**	0.536
317M	1	0	32	494.8	348.7	0.9	0.02	0.02	0	3.9	**71.231**	**29.92**	**6.342**
318	1	0	32	452.2	318.9	0.9	0.02	0.02	0	3.67	**66.647**	**25.569**	4.879
319	1	0	32	505.5	356.2	0.9	0.02	0.02	0	3.96	**72.288**	**31.014**	**6.74**
319M	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
420	1	0	32	517.5	364.6	0.9	0.02	0.02	0	4.03	**73.428**	**32.238**	**7.2**
421	1	0	32	318.8	225.4	0.9	0.02	0.02	0	2.93	**48.025**	**12.79**	1.632
410	1	0	32	394	278.1	0.9	0.02	0.02	0	3.35	**59.332**	**19.745**	3.21
412	1	0	32	12.8	11.3	0.9	0.02	0.02	0	1.13	1.883	0.077	0.002
413	1	0	32	543.1	382.5	0.9	0.02	0.02	0	4.16	**75.707**	**34.829**	**8.227**
325	1	0	32	37.8	28.8	0.9	0.02	0.02	0	1.28	3.532	0.19	0.005
326	1	0	32	71.5	52.3	0.9	0.02	0.02	0	1.49	**6.761**	0.493	0.017
327	1	0	32	50	37.3	0.9	0.02	0.02	0	1.36	4.571	0.276	0.008
999G1	1	0	32	85.9	62.4	0.9	0.02	0.02	0	1.57	**8.491**	0.695	0.027
999M1	1	0	32	79.9	58.2	0.9	0.02	0.02	0	1.54	**7.746**	0.605	0.022
999M2	1	0	32	56.1	41.6	0.9	0.02	0.02	0	1.39	**5.145**	0.329	0.01
999M3	1	0	32	83.8	61	0.9	0.02	0.02	0	1.56	**8.228**	0.663	0.025
72	1	0	32	230.4	163.6	0.9	0.02	0.02	0	2.43	**32.564**	**6.192**	0.556
1001	1	0	32	408.4	288.1	0.9	0.02	0.02	0	3.43	**61.249**	**21.155**	3.585
401	1	0	32	1101.5	773.4	0.9	0.02	0.02	0	6.95	**96.314**	**75.852**	**38.267**
402	1	0	32	577.5	406.6	0.9	0.02	0.02	0	4.35	**78.478**	**38.269**	**9.707**
403	1	0	32	419.6	296	0.9	0.02	0.02	0	3.49	**62.697**	**22.272**	3.895
440	1	0	32	145.2	103.9	0.9	0.02	0.02	0	1.93	**17.325**	2.127	0.123
441	1	0	32	737.9	518.8	0.9	0.02	0.02	0	5.18	**87.722**	**52.963**	**17.731**
442	1	0	32	258.8	183.4	0.9	0.02	0.02	0	2.59	**37.707**	**8.075**	0.82
1005	1	0	32	112.1	80.8	0.9	0.02	0.02	0	1.73	**12.094**	1.2	0.056
1006	1	0	32	91.7	66.5	0.9	0.02	0.02	0	1.61	**9.234**	0.79	0.032
1007	1	0	32	51.9	38.6	0.9	0.02	0.02	0	1.37	4.742	0.291	0.009
1008	1	0	32	91.5	66.3	0.9	0.02	0.02	0	1.61	**9.21**	0.787	0.032

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
1010	1	0	32	110.8	79.8	0.9	0.02	0.02	0	1.72	**11.894**	1.169	0.054
1011	1	0	32	146.2	104.7	0.9	0.02	0.02	0	1.93	**17.5**	2.162	0.126
345	1	0	32	103.9	75	0.9	0.02	0.02	0	1.68	**10.908**	1.022	0.045
346	1	0	32	130.4	93.6	0.9	0.02	0.02	0	1.84	**14.909**	1.67	0.088
347	1	0	32	312.7	221.2	0.9	0.02	0.02	0	2.9	**47.027**	**12.273**	1.533
430	1	0	32	262	185.7	0.9	0.02	0.02	0	2.61	**38.277**	**8.302**	0.854
431	1	0	32	110.3	79.5	0.9	0.02	0.02	0	1.72	**11.821**	1.158	0.054
432	1	0	32	307.5	217.5	0.9	0.02	0.02	0	2.87	**46.158**	**11.834**	1.451
801	1	0	32	239.9	170.3	0.9	0.02	0.02	0	2.48	**34.304**	**6.798**	0.637
3000	1	0	32	26.6	20.9	0.9	0.02	0.02	0	1.21	2.715	0.13	0.003
3001	1	0	32	371	262	0.9	0.02	0.02	0	3.22	**56.09**	**17.526**	2.658
3003	1	0	32	294.5	208.5	0.9	0.02	0.02	0	2.79	**43.97**	**10.775**	1.259
3004	1	0	32	81.9	59.6	0.9	0.02	0.02	0	1.55	**7.992**	0.634	0.024
280	1	0	32	367.4	259.5	0.9	0.02	0.02	0	3.2	**55.562**	**17.183**	2.577
280yard	1	0	32	302.9	214.3	0.9	0.02	0.02	0	2.84	**45.389**	**11.455**	1.381
075-A1	1	0	32	70.1	51.4	0.9	0.02	0.02	0	1.48	**6.607**	0.476	0.016
075-H1	1	0	32	81.8	59.5	0.9	0.02	0.02	0	1.55	**7.974**	0.632	0.024
075-O1	1	0	32	265	187.8	0.9	0.02	0.02	0	2.63	**38.82**	**8.521**	0.887
076-G1	1	0	32	85	61.8	0.9	0.02	0.02	0	1.57	**8.374**	0.681	0.026
076-G2	1	0	32	95.1	68.8	0.9	0.02	0.02	0	1.63	**9.688**	0.851	0.035
076-H1	1	0	32	93.4	67.7	0.9	0.02	0.02	0	1.62	**9.463**	0.821	0.034
076-H2	1	0	32	91.4	66.3	0.9	0.02	0.02	0	1.61	**9.203**	0.786	0.032
076-N1	1	0	32	157.3	112.4	0.9	0.02	0.02	0	2	**19.389**	2.556	0.159
077-A1	1	0	32	32.2	24.9	0.9	0.02	0.02	0	1.25	3.107	0.158	0.004
077-A2	1	0	32	31.3	24.2	0.9	0.02	0.02	0	1.24	3.04	0.153	0.004
077-G1	1	0	32	28.4	22.2	0.9	0.02	0.02	0	1.23	2.838	0.139	0.003
077-H1	1	0	32	36.3	27.7	0.9	0.02	0.02	0	1.27	3.415	0.181	0.005
077-H2	1	0	32	37.2	28.3	0.9	0.02	0.02	0	1.28	3.481	0.186	0.005
077-N1	1	0	32	34.8	26.6	0.9	0.02	0.02	0	1.26	3.294	0.172	0.004
078-G1	1	0	32	37.9	28.9	0.9	0.02	0.02	0	1.28	3.54	0.19	0.005
078-H1	1	0	32	24.6	19.5	0.9	0.02	0.02	0	1.2	2.581	0.121	0.003
078-N1	1	0	32	26.8	21.1	0.9	0.02	0.02	0	1.22	2.729	0.131	0.003
078-O1	1	0	32	32	24.7	0.9	0.02	0.02	0	1.25	3.094	0.157	0.004
079-H1	1	0	32	69.8	51.2	0.9	0.02	0.02	0	1.48	**6.579**	0.473	0.016
079-H2	1	0	32	121.7	87.5	0.9	0.02	0.02	0	1.79	**13.543**	1.434	0.072
080-H1	1	0	32	23.7	18.9	0.9	0.02	0.02	0	1.2	2.521	0.117	0.003
081-A1	1	0	32	36.3	27.7	0.9	0.02	0.02	0	1.27	3.409	0.18	0.005
081-H1	1	0	32	45.5	34.1	0.9	0.02	0.02	0	1.33	4.165	0.241	0.007
081-O1	1	0	32	126.2	90.6	0.9	0.02	0.02	0	1.81	**14.242**	1.553	0.08
082-G1	1	0	32	22.8	18.3	0.9	0.02	0.02	0	1.19	2.466	0.113	0.003
082-G2	1	0	32	41.1	31	0.9	0.02	0.02	0	1.3	3.791	0.21	0.006
082-H1	1	0	32	41.8	31.5	0.9	0.02	0.02	0	1.31	3.849	0.215	0.006
082-N1	1	0	32	35.4	27.1	0.9	0.02	0.02	0	1.27	3.345	0.175	0.004
082-N2	1	0	32	42.9	32.3	0.9	0.02	0.02	0	1.31	3.945	0.223	0.006
083-G1	1	0	32	35.4	27.1	0.9	0.02	0.02	0	1.27	3.345	0.175	0.004
083-G2	1	0	32	30.6	23.7	0.9	0.02	0.02	0	1.24	2.991	0.149	0.004
083-H1	1	0	32	44.4	33.4	0.9	0.02	0.02	0	1.32	4.071	0.233	0.006

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
084-H1	1	0	32	37.5	28.6	0.9	0.02	0.02	0	1.28	3.507	0.188	0.005
085-H1	1	0	32	60	44.3	0.9	0.02	0.02	0	1.42	**5.536**	0.366	0.012
085-O1	1	0	32	79.7	58.1	0.9	0.02	0.02	0	1.54	**7.721**	0.602	0.022
085-P1	1	0	32	157.2	112.3	0.9	0.02	0.02	0	2	**19.37**	2.552	0.158
086-G1	1	0	32	72.1	52.8	0.9	0.02	0.02	0	1.49	**6.837**	0.501	0.018
086-H1	1	0	32	60.8	44.9	0.9	0.02	0.02	0	1.42	**5.616**	0.374	0.012
086-H2	1	0	32	92.5	67.1	0.9	0.02	0.02	0	1.61	**9.351**	0.806	0.033
087-H1	1	0	32	51.6	38.4	0.9	0.02	0.02	0	1.37	4.717	0.289	0.009
087-O1	1	0	32	92.5	67.1	0.9	0.02	0.02	0	1.61	**9.351**	0.806	0.033
088-H1	1	0	32	184.3	131.3	0.9	0.02	0.02	0	2.16	**24.146**	3.685	0.265
088-H2	1	0	32	159	113.6	0.9	0.02	0.02	0	2.01	**19.68**	2.619	0.164
088-O1	1	0	32	136.3	97.7	0.9	0.02	0.02	0	1.87	**15.857**	1.843	0.101
089-A1	1	0	32	80.4	58.6	0.9	0.02	0.02	0	1.54	**7.813**	0.613	0.023
089-H1	1	0	32	95.1	68.8	0.9	0.02	0.02	0	1.63	**9.688**	0.851	0.035
089-O1	1	0	32	60.3	44.5	0.9	0.02	0.02	0	1.42	**5.565**	0.369	0.012
090-H1	1	0	32	95.3	69	0.9	0.02	0.02	0	1.63	**9.725**	0.856	0.036
090-O2	1	0	32	157.3	112.4	0.9	0.02	0.02	0	2	**19.389**	2.556	0.159
091-G1	1	0	32	81.3	59.2	0.9	0.02	0.02	0	1.55	**7.916**	0.625	0.023
091-H1	1	0	32	56	41.5	0.9	0.02	0.02	0	1.39	**5.133**	0.327	0.01
092-O1	1	0	32	180.3	128.5	0.9	0.02	0.02	0	2.13	**23.441**	3.505	0.247
092-O2	1	0	32	101.8	73.6	0.9	0.02	0.02	0	1.67	**10.611**	0.979	0.043
093-H1	1	0	32	67.9	49.8	0.9	0.02	0.02	0	1.46	**6.362**	0.45	0.015
094-H1	1	0	32	80.2	58.4	0.9	0.02	0.02	0	1.54	**7.779**	0.609	0.023
094-P1	1	0	32	77.1	56.3	0.9	0.02	0.02	0	1.52	**7.416**	0.567	0.021
095-A1	1	0	32	174.1	124.2	0.9	0.02	0.02	0	2.1	**22.339**	3.233	0.22
095-H1	1	0	32	118.6	85.3	0.9	0.02	0.02	0	1.77	**13.071**	1.356	0.066
095-O1	1	0	32	149.1	106.7	0.9	0.02	0.02	0	1.95	**17.99**	2.261	0.134
095-O2	1	0	32	177.5	126.6	0.9	0.02	0.02	0	2.12	**22.938**	3.379	0.234
096-H1	1	0	32	179.2	127.7	0.9	0.02	0.02	0	2.13	**23.239**	3.454	0.242
096-O1	1	0	32	313.4	221.7	0.9	0.02	0.02	0	2.9	**47.138**	**12.33**	1.544
097-H1	1	0	32	142.2	101.8	0.9	0.02	0.02	0	1.91	**16.825**	2.028	0.115
097-H2	1	0	32	117.8	84.8	0.9	0.02	0.02	0	1.76	**12.942**	1.335	0.065
098-G1	1	0	32	36.3	27.7	0.9	0.02	0.02	0	1.27	3.415	0.181	0.005
098-H1	1	0	32	34.4	26.4	0.9	0.02	0.02	0	1.26	3.269	0.17	0.004
098-O1	1	0	32	22.7	18.2	0.9	0.02	0.02	0	1.19	2.461	0.113	0.003
099-A1	1	0	32	56.5	41.8	0.9	0.02	0.02	0	1.4	**5.178**	0.332	0.01
099-G2	1	0	32	63.3	46.7	0.9	0.02	0.02	0	1.44	**5.878**	0.4	0.013
099-H1	1	0	32	144.4	103.4	0.9	0.02	0.02	0	1.92	**17.198**	2.102	0.121
099-O1	1	0	32	170.7	121.8	0.9	0.02	0.02	0	2.08	**21.723**	3.085	0.206
100-G1	1	0	32	46.1	34.6	0.9	0.02	0.02	0	1.33	4.219	0.246	0.007
100-H1	1	0	32	140.6	100.7	0.9	0.02	0.02	0	1.9	**16.558**	1.976	0.111
100-N1	1	0	32	88.4	64.2	0.9	0.02	0.02	0	1.59	**8.809**	0.735	0.029
100-N2	1	0	32	73.6	53.8	0.9	0.02	0.02	0	1.5	**7.004**	0.52	0.018
100-O1	1	0	32	138.4	99.2	0.9	0.02	0.02	0	1.89	**16.208**	1.909	0.106
101-G1	1	0	32	50.7	37.8	0.9	0.02	0.02	0	1.36	4.633	0.282	0.008
101-H1	1	0	32	131.5	94.4	0.9	0.02	0.02	0	1.85	**15.087**	1.702	0.091
101-O1	1	0	32	209.4	148.9	0.9	0.02	0.02	0	2.3	**28.728**	4.966	0.405

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
102-G1	1	0	32	56.5	41.8	0.9	0.02	0.02	0	1.4	**5.178**	0.332	0.01
102-H1	1	0	32	29.9	23.3	0.9	0.02	0.02	0	1.23	2.942	0.146	0.004
103-H1	1	0	32	118	84.9	0.9	0.02	0.02	0	1.77	**12.969**	1.339	0.065
103-O1	1	0	32	99	71.6	0.9	0.02	0.02	0	1.65	**10.222**	0.924	0.04
104-H1	1	0	32	182.1	129.8	0.9	0.02	0.02	0	2.14	**23.759**	3.586	0.255
104-H2	1	0	32	165.1	117.8	0.9	0.02	0.02	0	2.04	**20.734**	2.855	0.185
104-N1	1	0	32	149.8	107.2	0.9	0.02	0.02	0	1.95	**18.102**	2.284	0.136
105-H1	1	0	32	105.8	76.3	0.9	0.02	0.02	0	1.69	**11.169**	1.06	0.048
105-P1	1	0	32	217.3	154.4	0.9	0.02	0.02	0	2.35	**30.157**	**5.406**	0.457
106-G1	1	0	32	28.4	22.2	0.9	0.02	0.02	0	1.23	2.838	0.139	0.003
106-G2	1	0	32	28.5	22.3	0.9	0.02	0.02	0	1.23	2.844	0.139	0.003
106-H1	1	0	32	18.6	15.3	0.9	0.02	0.02	0	1.17	2.209	0.097	0.002
106-O1	1	0	32	24.9	19.7	0.9	0.02	0.02	0	1.2	2.601	0.122	0.003
107-H1	1	0	32	233.9	166	0.9	0.02	0.02	0	2.45	**33.201**	**6.41**	0.585
108-H1	1	0	32	72.8	53.2	0.9	0.02	0.02	0	1.49	**6.911**	0.509	0.018
108-O1	1	0	32	119.5	85.9	0.9	0.02	0.02	0	1.77	**13.199**	1.377	0.068
108-O2	1	0	32	53.9	40	0.9	0.02	0.02	0	1.38	4.931	0.309	0.009
109-H1	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
110-A1	1	0	32	91.7	66.5	0.9	0.02	0.02	0	1.61	**9.24**	0.791	0.032
110-G1	1	0	32	67.7	49.7	0.9	0.02	0.02	0	1.46	**6.347**	0.449	0.015
110-G2	1	0	32	30.8	23.9	0.9	0.02	0.02	0	1.24	3.003	0.15	0.004
110-H1	1	0	32	58.8	43.5	0.9	0.02	0.02	0	1.41	**5.412**	0.354	0.011
110-O1	1	0	32	46.1	34.5	0.9	0.02	0.02	0	1.33	4.216	0.245	0.007
110-O2	1	0	32	80.7	58.8	0.9	0.02	0.02	0	1.54	**7.844**	0.617	0.023
111-H1	1	0	32	41.9	31.6	0.9	0.02	0.02	0	1.31	3.862	0.216	0.006
112-G1	1	0	32	97.3	70.4	0.9	0.02	0.02	0	1.64	**9.993**	0.892	0.038
112-H1	1	0	32	85.4	62.1	0.9	0.02	0.02	0	1.57	**8.43**	0.688	0.027
112-O1	1	0	32	296.9	210.1	0.9	0.02	0.02	0	2.81	**44.376**	**10.967**	1.293
113-G1	1	0	32	171.6	122.4	0.9	0.02	0.02	0	2.08	**21.891**	3.125	0.21
113-G2	1	0	32	190.1	135.4	0.9	0.02	0.02	0	2.19	**25.211**	3.965	0.294
113-G3	1	0	32	76.3	55.7	0.9	0.02	0.02	0	1.52	**7.321**	0.556	0.02
113-O1	1	0	32	122.8	88.3	0.9	0.02	0.02	0	1.79	**13.716**	1.463	0.074
114-G1	1	0	32	292.8	207.2	0.9	0.02	0.02	0	2.78	**43.672**	**10.636**	1.235
114-H1	1	0	32	327.3	231.4	0.9	0.02	0.02	0	2.98	**49.402**	**13.527**	1.778
114-O1	1	0	32	263	186.4	0.9	0.02	0.02	0	2.61	**38.459**	**8.375**	0.865
115-O1	1	0	32	394.7	278.6	0.9	0.02	0.02	0	3.36	**59.428**	**19.814**	3.228
116-O1	1	0	32	135.7	97.3	0.9	0.02	0.02	0	1.87	**15.765**	1.826	0.1
117-O1	1	0	32	15.8	13.4	0.9	0.02	0.02	0	1.15	2.05	0.087	0.002
118-G1	1	0	32	26.3	20.7	0.9	0.02	0.02	0	1.21	2.695	0.129	0.003
118-G2	1	0	32	21.9	17.6	0.9	0.02	0.02	0	1.18	2.406	0.11	0.002
118-H1	1	0	32	21.9	17.6	0.9	0.02	0.02	0	1.19	2.407	0.11	0.002
118-N1	1	0	32	47.1	35.3	0.9	0.02	0.02	0	1.34	4.307	0.253	0.007
118-N2	1	0	32	76.2	55.7	0.9	0.02	0.02	0	1.52	**7.311**	0.554	0.02
119-P1	1	0	32	275.8	195.4	0.9	0.02	0.02	0	2.69	**40.73**	**9.319**	1.013
120-A1	1	0	32	57.4	42.5	0.9	0.02	0.02	0	1.4	**5.271**	0.34	0.011
120-G1	1	0	32	55.1	40.8	0.9	0.02	0.02	0	1.39	**5.042**	0.319	0.01
120-H1	1	0	32	58.4	43.2	0.9	0.02	0.02	0	1.41	**5.366**	0.35	0.011

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
120-O1	1	0	32	93.3	67.6	0.9	0.02	0.02	0	1.62	**9.45**	0.819	0.034
121-G1	1	0	32	31.1	24.1	0.9	0.02	0.02	0	1.24	3.027	0.152	0.004
121-H1	1	0	32	44.1	33.2	0.9	0.02	0.02	0	1.32	4.046	0.231	0.006
121-N1	1	0	32	21.6	17.4	0.9	0.02	0.02	0	1.18	2.392	0.109	0.002
121-N2	1	0	32	39.1	29.7	0.9	0.02	0.02	0	1.29	3.634	0.198	0.005
122-G1	1	0	32	65.4	48.1	0.9	0.02	0.02	0	1.45	**6.092**	0.422	0.014
122-G2	1	0	32	58.7	43.4	0.9	0.02	0.02	0	1.41	**5.403**	0.353	0.011
122-H1	1	0	32	114.4	82.4	0.9	0.02	0.02	0	1.74	**12.436**	1.253	0.06
122-H2	1	0	32	66.5	48.8	0.9	0.02	0.02	0	1.46	**6.209**	0.434	0.014
122-O1	1	0	32	167.4	119.5	0.9	0.02	0.02	0	2.06	**21.148**	2.95	0.194
122-O2	1	0	32	244.8	173.7	0.9	0.02	0.02	0	2.51	**35.191**	**7.118**	0.681
122-P1	1	0	32	320.9	226.9	0.9	0.02	0.02	0	2.94	**48.374**	**12.974**	1.668
123-G1	1	0	32	80.8	58.9	0.9	0.02	0.02	0	1.54	**7.865**	0.619	0.023
123-G2	1	0	32	93.1	67.5	0.9	0.02	0.02	0	1.62	**9.425**	0.816	0.033
123-H1	1	0	32	72.4	53	0.9	0.02	0.02	0	1.49	**6.873**	0.505	0.018
123-O1	1	0	32	101	73	0.9	0.02	0.02	0	1.66	**10.493**	0.962	0.042
123-O2	1	0	32	220.4	156.6	0.9	0.02	0.02	0	2.37	**30.74**	**5.591**	0.48
124-G1	1	0	32	28	21.9	0.9	0.02	0.02	0	1.22	2.809	0.137	0.003
124-G2	1	0	32	76.6	55.9	0.9	0.02	0.02	0	1.52	**7.357**	0.56	0.02
124-H1	1	0	32	35.1	26.9	0.9	0.02	0.02	0	1.27	3.319	0.174	0.004
124-N1	1	0	32	27.6	21.6	0.9	0.02	0.02	0	1.22	2.781	0.135	0.003
124-N2	1	0	32	8.5	8.3	0.9	0.02	0.02	0	1.1	1.664	0.065	0.001
124-O1	1	0	32	76.6	55.9	0.9	0.02	0.02	0	1.52	**7.35**	0.559	0.02
125-O1	1	0	32	70	51.3	0.9	0.02	0.02	0	1.48	**6.601**	0.476	0.016
126-A1	1	0	32	64.8	47.7	0.9	0.02	0.02	0	1.45	**6.029**	0.416	0.014
126-G1	1	0	32	49	36.6	0.9	0.02	0.02	0	1.35	4.48	0.268	0.008
126-G2	1	0	32	42.2	31.8	0.9	0.02	0.02	0	1.31	3.881	0.218	0.006
126-H1	1	0	32	22	17.7	0.9	0.02	0.02	0	1.19	2.418	0.11	0.002
126-O1	1	0	32	48.8	36.5	0.9	0.02	0.02	0	1.35	4.458	0.266	0.008
126-O2	1	0	32	25.4	20.1	0.9	0.02	0.02	0	1.21	2.634	0.125	0.003
126-O3	1	0	32	50	37.3	0.9	0.02	0.02	0	1.36	4.564	0.276	0.008
126-P1	1	0	32	28.1	22	0.9	0.02	0.02	0	1.22	2.817	0.137	0.003
127-A1	1	0	32	117.8	84.8	0.9	0.02	0.02	0	1.76	**12.942**	1.335	0.065
127-G1	1	0	32	63.2	46.5	0.9	0.02	0.02	0	1.44	**5.86**	0.398	0.013
127-G2	1	0	32	64.9	47.7	0.9	0.02	0.02	0	1.45	**6.038**	0.416	0.014
127-H1	1	0	32	96.8	70	0.9	0.02	0.02	0	1.64	**9.915**	0.882	0.037
127-H2	1	0	32	42.5	32	0.9	0.02	0.02	0	1.31	3.909	0.22	0.006
127-N1	1	0	32	118.3	85.1	0.9	0.02	0.02	0	1.77	**13.028**	1.349	0.066
128-G1	1	0	32	37	28.2	0.9	0.02	0.02	0	1.28	3.463	0.184	0.005
128-G2	1	0	32	68.6	50.3	0.9	0.02	0.02	0	1.47	**6.437**	0.458	0.016
128-G3	1	0	32	39.9	30.3	0.9	0.02	0.02	0	1.3	3.699	0.203	0.005
128-N1	1	0	32	120.3	86.5	0.9	0.02	0.02	0	1.78	**13.332**	1.399	0.069
128-O1	1	0	32	69.2	50.8	0.9	0.02	0.02	0	1.47	**6.511**	0.466	0.016
129-H1	1	0	32	297.1	210.3	0.9	0.02	0.02	0	2.81	**44.413**	**10.984**	1.296
129-H2	1	0	32	335.8	237.4	0.9	0.02	0.02	0	3.03	**50.762**	**14.282**	1.933
130-G1	1	0	32	37.3	28.4	0.9	0.02	0.02	0	1.28	3.49	0.187	0.005
130-H1	1	0	32	17.8	14.7	0.9	0.02	0.02	0	1.16	2.16	0.094	0.002

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
130-H2	1	0	32	53.1	39.5	0.9	0.02	0.02	0	1.38	4.854	0.302	0.009
131-H1	1	0	32	135.4	97.1	0.9	0.02	0.02	0	1.87	**15.72**	1.818	0.099
132-G1	1	0	32	18.4	15.2	0.9	0.02	0.02	0	1.16	2.199	0.096	0.002
132-G2	1	0	32	7.5	7.5	0.9	0.02	0.02	0	1.1	1.615	0.062	0.001
132-H1	1	0	32	28.6	22.3	0.9	0.02	0.02	0	1.23	2.848	0.139	0.003
132-O1	1	0	32	33.2	25.6	0.9	0.02	0.02	0	1.25	3.18	0.163	0.004
133-G1	1	0	32	156.6	111.9	0.9	0.02	0.02	0	1.99	**19.254**	2.527	0.156
133-H1	1	0	32	107.9	77.8	0.9	0.02	0.02	0	1.71	**11.48**	1.106	0.05
134-O1	1	0	32	580.4	408.6	0.9	0.02	0.02	0	4.36	**78.692**	**38.549**	**9.834**
135-G1	1	0	32	116.1	83.6	0.9	0.02	0.02	0	1.75	**12.692**	1.294	0.062
135-H1	1	0	32	169.3	120.8	0.9	0.02	0.02	0	2.07	**21.483**	3.028	0.201
135-O1	1	0	32	113.9	82.1	0.9	0.02	0.02	0	1.74	**12.366**	1.242	0.059
136-A1	1	0	32	27.3	21.4	0.9	0.02	0.02	0	1.22	2.758	0.133	0.003
136-G1	1	0	32	25	19.8	0.9	0.02	0.02	0	1.2	2.606	0.123	0.003
136-H1	1	0	32	34.3	26.4	0.9	0.02	0.02	0	1.26	3.264	0.169	0.004
136-O1	1	0	32	204.6	145.5	0.9	0.02	0.02	0	2.28	**27.837**	4.701	0.374
137-O1	1	0	32	180.6	128.7	0.9	0.02	0.02	0	2.14	**23.49**	3.517	0.248
137-O2	1	0	32	122	87.7	0.9	0.02	0.02	0	1.79	**13.586**	1.441	0.072
138-G1	1	0	32	35.5	27.1	0.9	0.02	0.02	0	1.27	3.351	0.176	0.004
138-G2	1	0	32	48.1	36	0.9	0.02	0.02	0	1.35	4.397	0.261	0.007
138-H1	1	0	32	28.5	22.3	0.9	0.02	0.02	0	1.23	2.844	0.139	0.003
138-O1	1	0	32	24.4	19.4	0.9	0.02	0.02	0	1.2	2.568	0.12	0.003
138-O2	1	0	32	45.5	34.1	0.9	0.02	0.02	0	1.33	4.165	0.241	0.007
139-G1	1	0	32	46.7	35	0.9	0.02	0.02	0	1.34	4.27	0.25	0.007
139-G2	1	0	32	39.6	30	0.9	0.02	0.02	0	1.29	3.675	0.201	0.005
139-H1	1	0	32	42.7	32.2	0.9	0.02	0.02	0	1.31	3.926	0.221	0.006
139-N1	1	0	32	45.5	34.2	0.9	0.02	0.02	0	1.33	4.167	0.241	0.007
140-G1	1	0	32	263	186.4	0.9	0.02	0.02	0	2.61	**38.468**	**8.378**	0.865
140-H1	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
140-O1	1	0	32	494.1	348.2	0.9	0.02	0.02	0	3.9	**71.159**	**29.847**	**6.316**
140-O2	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
141-A1	1	0	32	39	29.6	0.9	0.02	0.02	0	1.29	3.621	0.197	0.005
141-H1	1	0	32	68.6	50.3	0.9	0.02	0.02	0	1.47	**6.445**	0.459	0.016
141-H2	1	0	32	80.4	58.6	0.9	0.02	0.02	0	1.54	**7.813**	0.613	0.023
141-H3	1	0	32	65.1	47.9	0.9	0.02	0.02	0	1.45	**6.065**	0.419	0.014
141-N1	1	0	32	29.5	22.9	0.9	0.02	0.02	0	1.23	2.908	0.144	0.003
141-N2	1	0	32	41.7	31.5	0.9	0.02	0.02	0	1.31	3.846	0.215	0.006
141-N3	1	0	32	12.4	11	0.9	0.02	0.02	0	1.13	1.866	0.076	0.002
141-N4	1	0	32	38.4	29.1	0.9	0.02	0.02	0	1.29	3.573	0.193	0.005
141-O1	1	0	32	43.9	33	0.9	0.02	0.02	0	1.32	4.03	0.23	0.006
142-H1	1	0	32	97.6	70.6	0.9	0.02	0.02	0	1.64	**10.029**	0.897	0.038
142-O1	1	0	32	69.2	50.7	0.9	0.02	0.02	0	1.47	**6.504**	0.465	0.016
143-A1	1	0	32	52	38.7	0.9	0.02	0.02	0	1.37	4.751	0.292	0.009
143-G1	1	0	32	65.9	48.5	0.9	0.02	0.02	0	1.45	**6.152**	0.428	0.014
143-G2	1	0	32	46.9	35.1	0.9	0.02	0.02	0	1.34	4.285	0.251	0.007
143-H1	1	0	32	70.6	51.7	0.9	0.02	0.02	0	1.48	**6.663**	0.482	0.017
144-G1	1	0	32	98.6	71.3	0.9	0.02	0.02	0	1.65	**10.163**	0.916	0.039

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
144-H1	1	0	32	140.5	100.7	0.9	0.02	0.02	0	1.9	**16.546**	1.974	0.111
145-A1	1	0	32	61.4	45.3	0.9	0.02	0.02	0	1.43	**5.674**	0.38	0.012
145-H1	1	0	32	159.9	114.2	0.9	0.02	0.02	0	2.01	**19.826**	2.651	0.167
146-H1	1	0	32	1802.4	1264	0.9	0.02	0.02	0	10.01	**99.481**	**93.005**	**68.301**
147-G1	1	0	32	59.7	44	0.9	0.02	0.02	0	1.42	**5.496**	0.362	0.011
147-G2	1	0	32	85	61.8	0.9	0.02	0.02	0	1.57	**8.374**	0.681	0.026
147-H1	1	0	32	83.3	60.6	0.9	0.02	0.02	0	1.56	**8.164**	0.655	0.025
148-H1	1	0	32	48.3	36.1	0.9	0.02	0.02	0	1.35	4.417	0.263	0.008
148-O1	1	0	32	61.7	45.5	0.9	0.02	0.02	0	1.43	**5.703**	0.383	0.012
148-O3	1	0	32	105.2	75.9	0.9	0.02	0.02	0	1.69	**11.086**	1.048	0.047
149-A1	1	0	32	46.5	34.8	0.9	0.02	0.02	0	1.34	4.253	0.249	0.007
149-G1	1	0	32	49	36.6	0.9	0.02	0.02	0	1.35	4.472	0.268	0.008
149-G2	1	0	32	54.4	40.4	0.9	0.02	0.02	0	1.38	4.981	0.313	0.009
149-H1	1	0	32	73.2	53.5	0.9	0.02	0.02	0	1.5	**6.959**	0.515	0.018
149-N1	1	0	32	34.4	26.4	0.9	0.02	0.02	0	1.26	3.269	0.17	0.004
150-G1	1	0	32	43.8	32.9	0.9	0.02	0.02	0	1.32	4.015	0.229	0.006
150-H1	1	0	32	37.9	28.9	0.9	0.02	0.02	0	1.28	3.54	0.19	0.005
151-H1	1	0	32	101.2	73.2	0.9	0.02	0.02	0	1.67	**10.533**	0.968	0.042
152-G1	1	0	32	114	82.1	0.9	0.02	0.02	0	1.74	**12.372**	1.243	0.059
152-H1	1	0	32	165.7	118.3	0.9	0.02	0.02	0	2.05	**20.853**	2.882	0.188
153-G1	1	0	32	105.6	76.3	0.9	0.02	0.02	0	1.69	**11.154**	1.058	0.047
153-H1	1	0	32	282.2	199.9	0.9	0.02	0.02	0	2.72	**41.848**	**9.807**	1.093
153-O1	1	0	32	222.5	158.1	0.9	0.02	0.02	0	2.38	**31.119**	**5.713**	0.495
153-O2	1	0	32	372.5	263.1	0.9	0.02	0.02	0	3.23	**56.309**	**17.669**	2.693
153-O3	1	0	32	220.4	156.6	0.9	0.02	0.02	0	2.37	**30.742**	**5.591**	0.48
153-O5	1	0	32	304.6	215.5	0.9	0.02	0.02	0	2.85	**45.673**	**11.594**	1.406
153-O6	1	0	32	101.9	73.6	0.9	0.02	0.02	0	1.67	**10.626**	0.981	0.043
153-O7	1	0	32	361	255	0.9	0.02	0.02	0	3.17	**54.624**	**16.585**	2.438
153-P1	1	0	32	280.1	198.4	0.9	0.02	0.02	0	2.71	**41.476**	**9.643**	1.066
154-G1	1	0	32	21.4	17.3	0.9	0.02	0.02	0	1.18	2.376	0.108	0.002
154-H1	1	0	32	21.8	17.5	0.9	0.02	0.02	0	1.18	2.402	0.109	0.002
155-G1	1	0	32	139.7	100.1	0.9	0.02	0.02	0	1.89	**16.407**	1.948	0.109
155-G2	1	0	32	91.7	66.5	0.9	0.02	0.02	0	1.61	**9.24**	0.791	0.032
155-H1	1	0	32	52.4	39	0.9	0.02	0.02	0	1.37	4.79	0.296	0.009
155-H2	1	0	32	168.3	120.1	0.9	0.02	0.02	0	2.06	**21.295**	2.984	0.197
155-O2	1	0	32	270.9	191.9	0.9	0.02	0.02	0	2.66	**39.864**	**8.952**	0.955
156-H1	1	0	32	81.7	59.5	0.9	0.02	0.02	0	1.55	**7.967**	0.631	0.024
156-O1	1	0	32	145.8	104.4	0.9	0.02	0.02	0	1.93	**17.433**	2.148	0.125
157-G1	1	0	32	41.7	31.5	0.9	0.02	0.02	0	1.31	3.839	0.214	0.006
157-H1	1	0	32	92.5	67.1	0.9	0.02	0.02	0	1.61	**9.351**	0.806	0.033
157-H2	1	0	32	63.1	46.5	0.9	0.02	0.02	0	1.44	**5.851**	0.397	0.013
157-O1	1	0	32	67.1	49.3	0.9	0.02	0.02	0	1.46	**6.28**	0.441	0.015
158-H1	1	0	32	33.8	26	0.9	0.02	0.02	0	1.26	3.224	0.166	0.004
158-O1	1	0	32	51.2	38.1	0.9	0.02	0.02	0	1.36	4.672	0.285	0.008
159-G1	1	0	32	70.3	51.5	0.9	0.02	0.02	0	1.48	**6.634**	0.479	0.017
159-H1	1	0	32	59.6	44	0.9	0.02	0.02	0	1.42	**5.493**	0.362	0.011
159-H2	1	0	32	101	73	0.9	0.02	0.02	0	1.66	**10.493**	0.962	0.042

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
159-O1	1	0	32	44.3	33.3	0.9	0.02	0.02	0	1.32	4.058	0.232	0.006
159-O2	1	0	32	51.2	38.2	0.9	0.02	0.02	0	1.36	4.681	0.286	0.008
160-G1	1	0	32	130.4	93.6	0.9	0.02	0.02	0	1.84	**14.906**	1.67	0.088
160-H1	1	0	32	80.3	58.5	0.9	0.02	0.02	0	1.54	**7.793**	0.611	0.023
160-H2	1	0	32	75.1	54.8	0.9	0.02	0.02	0	1.51	**7.173**	0.539	0.019
161-H1	1	0	32	129.6	93	0.9	0.02	0.02	0	1.83	**14.772**	1.646	0.086
161-N1	1	0	32	100.7	72.8	0.9	0.02	0.02	0	1.66	**10.454**	0.957	0.041
162-H1	1	0	32	80.7	58.8	0.9	0.02	0.02	0	1.54	**7.851**	0.617	0.023
163-G1	1	0	32	53	39.4	0.9	0.02	0.02	0	1.37	4.845	0.301	0.009
163-O1	1	0	32	71	52	0.9	0.02	0.02	0	1.48	**6.711**	0.488	0.017
164-H1	1	0	32	130.1	93.4	0.9	0.02	0.02	0	1.84	**14.862**	1.662	0.088
165-H1	1	0	32	13.2	11.6	0.9	0.02	0.02	0	1.13	1.908	0.079	0.002
165-O1	1	0	32	62.6	46.2	0.9	0.02	0.02	0	1.43	**5.803**	0.393	0.013
166-O1	1	0	32	254.2	180.2	0.9	0.02	0.02	0	2.56	**36.88**	**7.753**	0.772
167-O1	1	0	32	99.3	71.8	0.9	0.02	0.02	0	1.65	**10.26**	0.929	0.04
167-O2	1	0	32	154.5	110.5	0.9	0.02	0.02	0	1.98	**18.907**	2.452	0.15
167-O3	1	0	32	223.8	158.9	0.9	0.02	0.02	0	2.39	**31.355**	**5.79**	0.505
167-O4	1	0	32	175.9	125.4	0.9	0.02	0.02	0	2.11	**22.65**	3.308	0.227
167-O5	1	0	32	224.2	159.2	0.9	0.02	0.02	0	2.39	**31.43**	**5.814**	0.508
167-O6	1	0	32	246.5	174.9	0.9	0.02	0.02	0	2.52	**35.495**	**7.23**	0.697
167-O7	1	0	32	397.1	280.3	0.9	0.02	0.02	0	3.37	**59.749**	**20.045**	3.288
167-O8	1	0	32	205.3	146	0.9	0.02	0.02	0	2.28	**27.967**	4.739	0.379
167-O9	1	0	32	196.9	140.1	0.9	0.02	0.02	0	2.23	**26.433**	4.3	0.329
168-G1	1	0	32	37.5	28.6	0.9	0.02	0.02	0	1.28	3.507	0.188	0.005
168-G2	1	0	32	38	28.9	0.9	0.02	0.02	0	1.28	3.547	0.191	0.005
168-H1	1	0	32	28.8	22.4	0.9	0.02	0.02	0	1.23	2.861	0.14	0.003
168-N1	1	0	32	32.7	25.2	0.9	0.02	0.02	0	1.25	3.144	0.16	0.004
168-O1	1	0	32	48.2	36	0.9	0.02	0.02	0	1.35	4.405	0.262	0.007
169-G2	1	0	32	36.5	27.9	0.9	0.02	0.02	0	1.27	3.429	0.182	0.005
169-G3	1	0	32	54.8	40.6	0.9	0.02	0.02	0	1.39	**5.014**	0.316	0.01
169-G4	1	0	32	52.3	38.9	0.9	0.02	0.02	0	1.37	4.774	0.294	0.009
169-H1	1	0	32	41.5	31.3	0.9	0.02	0.02	0	1.3	3.825	0.213	0.006
170-G1	1	0	32	47.3	35.4	0.9	0.02	0.02	0	1.34	4.322	0.254	0.007
170-G2	1	0	32	116.9	84.2	0.9	0.02	0.02	0	1.76	**12.815**	1.314	0.064
170-H1	1	0	32	77	56.2	0.9	0.02	0.02	0	1.52	**7.407**	0.565	0.021
171-A1	1	0	32	155.6	111.3	0.9	0.02	0.02	0	1.99	**19.098**	2.493	0.153
171-G1	1	0	32	240.6	170.7	0.9	0.02	0.02	0	2.48	**34.427**	**6.842**	0.643
171-H1	1	0	32	233.5	165.7	0.9	0.02	0.02	0	2.44	**33.128**	**6.385**	0.581
173-G1	1	0	32	49.2	36.8	0.9	0.02	0.02	0	1.35	4.495	0.27	0.008
173-G2	1	0	32	17	14.2	0.9	0.02	0.02	0	1.16	2.116	0.091	0.002
173-G3	1	0	32	86.7	63	0.9	0.02	0.02	0	1.58	**8.588**	0.707	0.028
173-G4	1	0	32	120.3	86.5	0.9	0.02	0.02	0	1.78	**13.328**	1.398	0.069
173-G5	1	0	32	26.1	20.6	0.9	0.02	0.02	0	1.21	2.679	0.128	0.003
173-H1	1	0	32	136.6	97.9	0.9	0.02	0.02	0	1.88	**15.902**	1.852	0.102
173-P1	1	0	32	175	124.8	0.9	0.02	0.02	0	2.1	**22.488**	3.269	0.224
174-A1	1	0	32	71.9	52.7	0.9	0.02	0.02	0	1.49	**6.815**	0.499	0.017
174-G1	1	0	32	78.9	57.5	0.9	0.02	0.02	0	1.53	**7.631**	0.591	0.022

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
174-H1	1	0	32	179.5	127.9	0.9	0.02	0.02	0	2.13	**23.29**	3.467	0.243
175-G1	1	0	32	77.2	56.4	0.9	0.02	0.02	0	1.52	**7.429**	0.568	0.021
175-G2	1	0	32	26.8	21	0.9	0.02	0.02	0	1.22	2.725	0.131	0.003
175-H1	1	0	32	75.5	55.1	0.9	0.02	0.02	0	1.51	**7.222**	0.544	0.02
176-A1	1	0	32	39.3	29.8	0.9	0.02	0.02	0	1.29	3.647	0.199	0.005
176-H1	1	0	32	50.3	37.5	0.9	0.02	0.02	0	1.36	4.595	0.278	0.008
176-H2	1	0	32	29	22.6	0.9	0.02	0.02	0	1.23	2.879	0.141	0.003
176-P1	1	0	32	39	29.6	0.9	0.02	0.02	0	1.29	3.628	0.197	0.005
178-H1	1	0	32	29.1	22.7	0.9	0.02	0.02	0	1.23	2.885	0.142	0.003
179-H1	1	0	32	82.9	60.3	0.9	0.02	0.02	0	1.56	**8.12**	0.65	0.025
180-H1	1	0	32	421.7	297.5	0.9	0.02	0.02	0	3.5	**62.966**	**22.485**	3.955
180-H2	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
180-O1	1	0	32	479.9	338.2	0.9	0.02	0.02	0	3.82	**69.696**	**28.394**	**5.807**
181-A1	1	0	32	106.1	76.6	0.9	0.02	0.02	0	1.69	**11.215**	1.067	0.048
181-G1	1	0	32	48.7	36.4	0.9	0.02	0.02	0	1.35	4.446	0.265	0.008
181-G2	1	0	32	112.3	80.9	0.9	0.02	0.02	0	1.73	**12.119**	1.204	0.057
181-H1	1	0	32	121.4	87.3	0.9	0.02	0.02	0	1.79	**13.495**	1.426	0.071
181-H2	1	0	32	115	82.8	0.9	0.02	0.02	0	1.75	**12.525**	1.268	0.061
181-N1	1	0	32	126.7	91	0.9	0.02	0.02	0	1.82	**14.325**	1.567	0.081
181-N2	1	0	32	138.4	99.2	0.9	0.02	0.02	0	1.89	**16.208**	1.909	0.106
181-O1	1	0	32	57.3	42.4	0.9	0.02	0.02	0	1.4	**5.26**	0.34	0.01
182-G1	1	0	32	199.4	141.9	0.9	0.02	0.02	0	2.25	**26.891**	4.429	0.344
182-G2	1	0	32	179.8	128.2	0.9	0.02	0.02	0	2.13	**23.347**	3.481	0.244
182-H1	1	0	32	138.6	99.3	0.9	0.02	0.02	0	1.89	**16.227**	1.913	0.106
182-H2	1	0	32	133.8	95.9	0.9	0.02	0.02	0	1.86	**15.447**	1.768	0.095
182-O1	1	0	32	110.2	79.4	0.9	0.02	0.02	0	1.72	**11.814**	1.157	0.054
182-O2	1	0	32	186	132.5	0.9	0.02	0.02	0	2.17	**24.456**	3.766	0.273
182-O3	1	0	32	178.6	127.3	0.9	0.02	0.02	0	2.12	**23.139**	3.429	0.239
184-H1	1	0	32	188.9	134.5	0.9	0.02	0.02	0	2.18	**24.976**	3.903	0.287
185-A1	1	0	32	33.8	26	0.9	0.02	0.02	0	1.26	3.226	0.167	0.004
185-H1	1	0	32	32.6	25.1	0.9	0.02	0.02	0	1.25	3.131	0.16	0.004
186-O1	1	0	32	350	247.3	0.9	0.02	0.02	0	3.11	**52.962**	**15.564**	2.208
187-H1	1	0	32	107.5	77.6	0.9	0.02	0.02	0	1.7	**11.421**	1.097	0.05
188-A1	1	0	32	78.2	57.1	0.9	0.02	0.02	0	1.53	**7.55**	0.582	0.021
188-G1	1	0	32	116.9	84.2	0.9	0.02	0.02	0	1.76	**12.815**	1.314	0.064
188-G2	1	0	32	122	87.7	0.9	0.02	0.02	0	1.79	**13.586**	1.441	0.072
188-G3	1	0	32	61.7	45.5	0.9	0.02	0.02	0	1.43	**5.703**	0.383	0.012
188-H1	1	0	32	39	29.6	0.9	0.02	0.02	0	1.29	3.628	0.197	0.005
188-P1	1	0	32	56.6	41.9	0.9	0.02	0.02	0	1.4	**5.194**	0.333	0.01
189-G1	1	0	32	44	33.1	0.9	0.02	0.02	0	1.32	4.037	0.23	0.006
189-H1	1	0	32	76.3	55.7	0.9	0.02	0.02	0	1.52	**7.321**	0.556	0.02
189-H2	1	0	32	103.5	74.7	0.9	0.02	0.02	0	1.68	**10.847**	1.013	0.045
189-O1	1	0	32	119.8	86.2	0.9	0.02	0.02	0	1.78	**13.251**	1.385	0.068
190-G1	1	0	32	18.3	15.1	0.9	0.02	0.02	0	1.16	2.189	0.096	0.002
190-H1	1	0	32	41.5	31.3	0.9	0.02	0.02	0	1.3	3.823	0.213	0.006
190-N1	1	0	32	26.9	21.1	0.9	0.02	0.02	0	1.22	2.735	0.131	0.003
190-N2	1	0	32	24.4	19.4	0.9	0.02	0.02	0	1.2	2.568	0.12	0.003

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
190-N3	1	0	32	21	17	0.9	0.02	0.02	0	1.18	2.35	0.106	0.002
190-O1	1	0	32	62.8	46.2	0.9	0.02	0.02	0	1.43	**5.816**	0.394	0.013
191-H1	1	0	32	211.2	150.1	0.9	0.02	0.02	0	2.31	**29.044**	**5.061**	0.416
192-A1	1	0	32	37.4	28.5	0.9	0.02	0.02	0	1.28	3.501	0.187	0.005
192-G1	1	0	32	28.4	22.2	0.9	0.02	0.02	0	1.23	2.838	0.139	0.003
192-H1	1	0	32	34	26.1	0.9	0.02	0.02	0	1.26	3.235	0.167	0.004
193-G1	1	0	32	18.6	15.3	0.9	0.02	0.02	0	1.17	2.209	0.097	0.002
193-H1	1	0	32	21.4	17.3	0.9	0.02	0.02	0	1.18	2.378	0.108	0.002
194-H1	1	0	32	27.5	21.5	0.9	0.02	0.02	0	1.22	2.771	0.134	0.003
194-N1	1	0	32	34.2	26.2	0.9	0.02	0.02	0	1.26	3.25	0.168	0.004
195-G1	1	0	32	77.8	56.8	0.9	0.02	0.02	0	1.53	**7.5**	0.576	0.021
195-G2	1	0	32	154.8	110.7	0.9	0.02	0.02	0	1.98	**18.954**	2.462	0.151
195-O1	1	0	32	195.5	139.1	0.9	0.02	0.02	0	2.22	**26.178**	4.229	0.322
196-A1	1	0	32	57.5	42.5	0.9	0.02	0.02	0	1.4	**5.277**	0.341	0.011
196-A2	1	0	32	68.7	50.4	0.9	0.02	0.02	0	1.47	**6.448**	0.459	0.016
196-G1	1	0	32	47.7	35.7	0.9	0.02	0.02	0	1.34	4.359	0.258	0.007
196-O1	1	0	32	69	50.6	0.9	0.02	0.02	0	1.47	**6.482**	0.463	0.016
197-H1	1	0	32	140.9	100.9	0.9	0.02	0.02	0	1.9	**16.615**	1.987	0.112
198-G1	1	0	32	78.3	57.1	0.9	0.02	0.02	0	1.53	**7.562**	0.583	0.021
198-H1	1	0	32	168.3	120.1	0.9	0.02	0.02	0	2.06	**21.295**	2.984	0.197
199-G1	1	0	32	14.7	12.6	0.9	0.02	0.02	0	1.14	1.988	0.084	0.002
199-O1	1	0	32	26.5	20.8	0.9	0.02	0.02	0	1.21	2.705	0.129	0.003
200-G1	1	0	32	29.9	23.2	0.9	0.02	0.02	0	1.23	2.938	0.146	0.003
200-H1	1	0	32	29.1	22.7	0.9	0.02	0.02	0	1.23	2.885	0.142	0.003
200-O1	1	0	32	27.7	21.7	0.9	0.02	0.02	0	1.22	2.786	0.135	0.003
201-O1	1	0	32	324.8	229.7	0.9	0.02	0.02	0	2.97	**49.005**	**13.311**	1.735
202-H1	1	0	32	173.3	123.6	0.9	0.02	0.02	0	2.09	**22.189**	3.196	0.217
202-N1	1	0	32	57.9	42.8	0.9	0.02	0.02	0	1.4	**5.319**	0.345	0.011
202-O1	1	0	32	137	98.2	0.9	0.02	0.02	0	1.88	**15.97**	1.865	0.103
203-H1	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
203-O1	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
203-O2	1	0	32	479.2	337.8	0.9	0.02	0.02	0	3.82	**69.622**	**28.322**	**5.782**
205-O1	1	0	32	507.3	357.4	0.9	0.02	0.02	0	3.97	**72.452**	**31.188**	**6.804**
206-A1	1	0	32	116.1	83.6	0.9	0.02	0.02	0	1.75	**12.688**	1.294	0.062
206-G1	1	0	32	50.4	37.6	0.9	0.02	0.02	0	1.36	4.603	0.279	0.008
206-H1	1	0	32	18	14.9	0.9	0.02	0.02	0	1.16	2.173	0.095	0.002
206-H2	1	0	32	285	201.8	0.9	0.02	0.02	0	2.74	**42.325**	**10.02**	1.129
206-O1	1	0	32	252.4	179	0.9	0.02	0.02	0	2.55	**36.56**	**7.63**	0.754
207-O1	1	0	32	110.8	79.9	0.9	0.02	0.02	0	1.72	**11.904**	1.171	0.054
208-H1	1	0	32	264.1	187.2	0.9	0.02	0.02	0	2.62	**38.657**	**8.455**	0.877
209-G1	1	0	32	238.7	169.4	0.9	0.02	0.02	0	2.47	**34.073**	**6.715**	0.626
209-H1	1	0	32	391.9	276.6	0.9	0.02	0.02	0	3.34	**59.04**	**19.537**	3.157
209-P1	1	0	32	517.6	364.6	0.9	0.02	0.02	0	4.03	**73.428**	**32.238**	**7.2**
210-H1	1	0	32	113.6	81.8	0.9	0.02	0.02	0	1.74	**12.308**	1.233	0.058
210-O1	1	0	32	127.9	91.8	0.9	0.02	0.02	0	1.82	**14.507**	1.599	0.083
211-A1	1	0	32	71.8	52.6	0.9	0.02	0.02	0	1.49	**6.805**	0.498	0.017
211-G1	1	0	32	38.6	29.3	0.9	0.02	0.02	0	1.29	3.594	0.195	0.005

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
211-G2	1	0	32	44.7	33.6	0.9	0.02	0.02	0	1.32	4.094	0.235	0.006
211-H1	1	0	32	70.7	51.8	0.9	0.02	0.02	0	1.48	**6.673**	0.483	0.017
211-O1	1	0	32	127.3	91.4	0.9	0.02	0.02	0	1.82	**14.417**	1.583	0.082
212-H1	1	0	32	188.5	134.2	0.9	0.02	0.02	0	2.18	**24.908**	3.885	0.285
212-H2	1	0	32	149.1	106.7	0.9	0.02	0.02	0	1.95	**17.991**	2.261	0.134
213-O1	1	0	32	35.5	27.1	0.9	0.02	0.02	0	1.27	3.348	0.176	0.004
213-O2	1	0	32	84.3	61.3	0.9	0.02	0.02	0	1.56	**8.296**	0.671	0.026
213-O3	1	0	32	57.5	42.5	0.9	0.02	0.02	0	1.4	**5.281**	0.341	0.011
801-O1	1	0	32	28.9	22.5	0.9	0.02	0.02	0	1.23	2.871	0.141	0.003
801-O2	1	0	32	14.9	12.8	0.9	0.02	0.02	0	1.14	2.001	0.084	0.002
801-O3	1	0	32	31.1	24.1	0.9	0.02	0.02	0	1.24	3.027	0.152	0.004
802-O1	1	0	32	150.3	107.5	0.9	0.02	0.02	0	1.96	**18.189**	2.302	0.137
803-O1	1	0	32	446.5	314.8	0.9	0.02	0.02	0	3.64	**65.975**	**24.982**	4.696
803-O2	1	0	32	314.6	222.6	0.9	0.02	0.02	0	2.91	**47.35**	**12.439**	1.565
803-O3	1	0	32	234.7	166.6	0.9	0.02	0.02	0	2.45	**33.355**	**6.463**	0.592
804-O1	1	0	32	102.1	73.8	0.9	0.02	0.02	0	1.67	**10.65**	0.985	0.043
804-O2	1	0	32	254.1	180.1	0.9	0.02	0.02	0	2.56	**36.862**	**7.746**	0.771
805-O1	1	0	32	38.2	29	0.9	0.02	0.02	0	1.28	3.561	0.192	0.005
805-O2	1	0	32	45.5	34.1	0.9	0.02	0.02	0	1.33	4.165	0.241	0.007
806-O1	1	0	32	28.4	22.1	0.9	0.02	0.02	0	1.22	2.832	0.138	0.003
806-O2	1	0	32	29.6	23	0.9	0.02	0.02	0	1.23	2.92	0.144	0.003
806-O3	1	0	32	50.7	37.8	0.9	0.02	0.02	0	1.36	4.626	0.281	0.008
806-O4	1	0	32	36.9	28.1	0.9	0.02	0.02	0	1.28	3.461	0.184	0.005
806-O5	1	0	32	37.3	28.5	0.9	0.02	0.02	0	1.28	3.494	0.187	0.005
807-O1	1	0	32	29	22.6	0.9	0.02	0.02	0	1.23	2.881	0.142	0.003
808-O1	1	0	32	33.7	25.9	0.9	0.02	0.02	0	1.26	3.218	0.166	0.004
808-O2	1	0	32	35.8	27.4	0.9	0.02	0.02	0	1.27	3.377	0.178	0.005
203-O3	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002
203-O4	1	0	32	20.2	16.5	0.9	0.02	0.02	0	1.18	2.307	0.103	0.002

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 2/20/2020
Site Name: UCR
Operable Unit: Current Resident, Sucker
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: RES SUC_02`20`20.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
13	1	0	32	92.4	67	0.9	0.02	0.57	0	1.71	**11.547**	1.116	0.051
14	1	0	32	77.1	56.3	0.9	0.02	0.57	0	1.62	**9.415**	0.814	0.033
15	1	0	32	93.6	67.8	0.9	0.02	0.57	0	1.72	**11.711**	1.141	0.053
16	1	0	32	356	251.5	0.9	0.02	0.57	0	3.23	**56.22**	**17.611**	2.679
17	1	0	32	150.5	107.7	0.9	0.02	0.57	0	2.05	**20.976**	2.911	0.19
9	1	0	32	91.8	66.5	0.9	0.02	0.57	0	1.7	**11.448**	1.101	0.05
40	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003
1015	1	0	32	47.6	35.6	0.9	0.02	0.57	0	1.44	**5.896**	0.402	0.013
1017	1	0	32	139.2	99.8	0.9	0.02	0.57	0	1.99	**19.018**	2.476	0.152
1018	1	0	32	51.9	38.6	0.9	0.02	0.57	0	1.46	**6.353**	0.449	0.015
42	1	0	32	229.6	163.1	0.9	0.02	0.57	0	2.51	**35.33**	**7.169**	0.688
44	1	0	32	99.7	72.1	0.9	0.02	0.57	0	1.75	**12.619**	1.283	0.062
46	1	0	32	188.7	134.4	0.9	0.02	0.57	0	2.28	**27.846**	4.704	0.374
47	1	0	32	222.3	157.9	0.9	0.02	0.57	0	2.47	**33.994**	**6.687**	0.622
49	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003
60	1	0	32	59.3	43.8	0.9	0.02	0.57	0	1.51	**7.188**	0.54	0.019
61	1	0	32	137.2	98.3	0.9	0.02	0.57	0	1.97	**18.666**	2.401	0.145
22	1	0	32	118.9	85.5	0.9	0.02	0.57	0	1.87	**15.614**	1.798	0.098
25	1	0	32	54.5	40.4	0.9	0.02	0.57	0	1.48	**6.64**	0.48	0.017
27	1	0	32	135.3	97	0.9	0.02	0.57	0	1.96	**18.336**	2.332	0.14
28	1	0	32	49.2	36.8	0.9	0.02	0.57	0	1.45	**6.07**	0.42	0.014
29	1	0	32	42.7	32.2	0.9	0.02	0.57	0	1.41	**5.393**	0.352	0.011
30	1	0	32	51.6	38.4	0.9	0.02	0.57	0	1.46	**6.322**	0.446	0.015
31	1	0	32	255.8	181.3	0.9	0.02	0.57	0	2.66	**40.007**	**9.012**	0.964
33	1	0	32	206.4	146.8	0.9	0.02	0.57	0	2.38	**31.092**	**5.704**	0.494
35	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003
35PA	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003
39	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003
226C	1	0	32	395.3	279	0.9	0.02	0.57	0	3.45	**61.622**	**21.439**	3.662
55	1	0	32	67.1	49.2	0.9	0.02	0.57	0	1.56	**8.127**	0.651	0.025

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
56	1	0	32	185.9	132.4	0.9	0.02	0.57	0	2.26	**27.34**	4.557	0.358
58	1	0	32	73.3	53.6	0.9	0.02	0.57	0	1.59	**8.917**	0.749	0.03
59	1	0	32	206.6	146.9	0.9	0.02	0.57	0	2.38	**31.126**	**5.715**	0.495
59A	1	0	32	335.3	237	0.9	0.02	0.57	0	3.11	**53.146**	**15.675**	2.233
62	1	0	32	118.1	85	0.9	0.02	0.57	0	1.86	**15.487**	1.775	0.096
62G	1	0	32	70.6	51.7	0.9	0.02	0.57	0	1.58	**8.567**	0.705	0.028
66	1	0	32	141.1	101	0.9	0.02	0.57	0	2	**19.331**	2.543	0.158
67	1	0	32	174.5	124.4	0.9	0.02	0.57	0	2.19	**25.256**	3.978	0.295
70	1	0	32	202.6	144.1	0.9	0.02	0.57	0	2.36	**30.397**	**5.481**	0.466
71	1	0	32	127	91.2	0.9	0.02	0.57	0	1.91	**16.946**	2.052	0.117
72M	1	0	32	253.9	180.1	0.9	0.02	0.57	0	2.65	**39.684**	**8.877**	0.943
72U	1	0	32	109.7	79.1	0.9	0.02	0.57	0	1.81	**14.15**	1.537	0.079
75	1	0	32	381.8	269.6	0.9	0.02	0.57	0	3.37	**59.838**	**20.11**	3.305
82	1	0	32	54.8	40.6	0.9	0.02	0.57	0	1.48	**6.676**	0.484	0.017
85	1	0	32	57.4	42.5	0.9	0.02	0.57	0	1.5	**6.97**	0.516	0.018
86	1	0	32	115.3	83	0.9	0.02	0.57	0	1.84	**15.046**	1.695	0.09
87	1	0	32	99.5	72	0.9	0.02	0.57	0	1.75	**12.594**	1.279	0.061
94M	1	0	32	73.9	54	0.9	0.02	0.57	0	1.6	**8.996**	0.759	0.03
106	1	0	32	387.2	273.4	0.9	0.02	0.57	0	3.4	**60.566**	**20.644**	3.447
107	1	0	32	169.3	120.8	0.9	0.02	0.57	0	2.16	**24.328**	3.732	0.27
108	1	0	32	185.4	132.1	0.9	0.02	0.57	0	2.26	**27.249**	4.531	0.355
109	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003
110	1	0	32	88.5	64.3	0.9	0.02	0.57	0	1.69	**10.985**	1.033	0.046
110G	1	0	32	41.5	31.4	0.9	0.02	0.57	0	1.4	**5.276**	0.341	0.011
111	1	0	32	70.4	51.5	0.9	0.02	0.57	0	1.58	**8.541**	0.702	0.027
112	1	0	32	471.3	332.2	0.9	0.02	0.57	0	3.86	**70.462**	**29.146**	**6.068**
112G	1	0	32	181.5	129.4	0.9	0.02	0.57	0	2.23	**26.543**	4.331	0.333
113low	1	0	32	263	186.4	0.9	0.02	0.57	0	2.7	**41.284**	**9.559**	1.052
113up	1	0	32	398.8	281.5	0.9	0.02	0.57	0	3.47	**62.083**	**21.793**	3.76
115SP	1	0	32	493.1	347.5	0.9	0.02	0.57	0	3.98	**72.625**	**31.372**	**6.873**
21	1	0	32	104.1	75.2	0.9	0.02	0.57	0	1.78	**13.28**	1.39	0.069
21G	1	0	32	337.4	238.5	0.9	0.02	0.57	0	3.13	**53.474**	**15.874**	2.277
116M	1	0	32	347.4	245.4	0.9	0.02	0.57	0	3.18	**54.961**	**16.798**	2.487
122	1	0	32	69	50.6	0.9	0.02	0.57	0	1.57	**8.374**	0.681	0.026
121	1	0	32	148.3	106.1	0.9	0.02	0.57	0	2.04	**20.586**	2.821	0.182
123	1	0	32	336.5	237.9	0.9	0.02	0.57	0	3.12	**53.344**	**15.795**	2.259
135	1	0	32	130.2	93.5	0.9	0.02	0.57	0	1.93	**17.488**	2.159	0.126
146	1	0	32	81.4	59.3	0.9	0.02	0.57	0	1.64	**9.997**	0.893	0.038
146G	1	0	32	43.2	32.6	0.9	0.02	0.57	0	1.41	**5.447**	0.357	0.011
147	1	0	32	50.9	37.9	0.9	0.02	0.57	0	1.46	**6.249**	0.438	0.015
151	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003
152	1	0	32	183.4	130.7	0.9	0.02	0.57	0	2.25	**26.887**	4.428	0.343
160	1	0	32	153.4	109.7	0.9	0.02	0.57	0	2.07	**21.476**	3.027	0.201
163	1	0	32	158.1	113	0.9	0.02	0.57	0	2.1	**22.317**	3.227	0.22
163G	1	0	32	222.8	158.3	0.9	0.02	0.57	0	2.47	**34.09**	**6.722**	0.626
164	1	0	32	118	84.9	0.9	0.02	0.57	0	1.86	**15.468**	1.771	0.096

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
167	1	0	32	71.4	52.3	0.9	0.02	0.57	0	1.58	**8.676**	0.719	0.028
168	1	0	32	365.9	258.4	0.9	0.02	0.57	0	3.28	**57.64**	**18.562**	2.91
169	1	0	32	262	185.7	0.9	0.02	0.57	0	2.7	**41.097**	**9.478**	1.039
169A	1	0	32	238.9	169.5	0.9	0.02	0.57	0	2.57	**36.997**	**7.798**	0.779
320new	1	0	32	555.7	391.3	0.9	0.02	0.57	0	4.31	**78.023**	**37.681**	**9.444**
216	1	0	32	310.2	219.4	0.9	0.02	0.57	0	2.97	**49.223**	**13.429**	1.759
1030	1	0	32	20.2	16.5	0.9	0.02	0.57	0	1.27	3.401	0.18	0.005
170	1	0	32	20.2	16.5	0.9	0.02	0.57	0	1.27	3.401	0.18	0.005
172U	1	0	32	294	208.1	0.9	0.02	0.57	0	2.88	**46.577**	**12.044**	1.49
174M	1	0	32	23.7	18.9	0.9	0.02	0.57	0	1.29	3.675	0.201	0.005
175	1	0	32	171.3	122.2	0.9	0.02	0.57	0	2.17	**24.682**	3.825	0.279
238G	1	0	32	47.1	35.3	0.9	0.02	0.57	0	1.44	**5.848**	0.397	0.013
238M	1	0	32	34.9	26.8	0.9	0.02	0.57	0	1.36	4.645	0.283	0.008
176G	1	0	32	140.1	100.4	0.9	0.02	0.57	0	1.99	**19.175**	2.51	0.155
176M	1	0	32	215.9	153.4	0.9	0.02	0.57	0	2.43	**32.824**	**6.281**	0.568
177	1	0	32	172.8	123.2	0.9	0.02	0.57	0	2.18	**24.951**	3.896	0.286
206	1	0	32	142.4	101.9	0.9	0.02	0.57	0	2	**19.554**	2.592	0.162
208	1	0	32	161.9	115.6	0.9	0.02	0.57	0	2.12	**22.99**	3.392	0.236
208AA	1	0	32	173.4	123.6	0.9	0.02	0.57	0	2.19	**25.055**	3.924	0.289
208BM	1	0	32	112.5	81.1	0.9	0.02	0.57	0	1.83	**14.598**	1.615	0.084
208G	1	0	32	92.1	66.7	0.9	0.02	0.57	0	1.71	**11.489**	1.108	0.05
209A	1	0	32	115.7	83.3	0.9	0.02	0.57	0	1.85	**15.103**	1.705	0.091
213	1	0	32	440.1	310.4	0.9	0.02	0.57	0	3.69	**67.083**	**25.958**	**5.002**
185	1	0	32	196.7	140	0.9	0.02	0.57	0	2.32	**29.305**	**5.141**	0.425
185G	1	0	32	71	52	0.9	0.02	0.57	0	1.58	**8.626**	0.712	0.028
186	1	0	32	242.3	171.9	0.9	0.02	0.57	0	2.59	**37.612**	**8.038**	0.814
1035	1	0	32	114.9	82.8	0.9	0.02	0.57	0	1.84	**14.983**	1.683	0.089
1036	1	0	32	76.8	56	0.9	0.02	0.57	0	1.61	**9.373**	0.809	0.033
1037	1	0	32	98.4	71.2	0.9	0.02	0.57	0	1.74	**12.428**	1.252	0.06
189	1	0	32	154.4	110.4	0.9	0.02	0.57	0	2.08	**21.667**	3.072	0.205
1060	1	0	32	127.8	91.8	0.9	0.02	0.57	0	1.92	**17.08**	2.078	0.119
192	1	0	32	262.5	186	0.9	0.02	0.57	0	2.7	**41.18**	**9.514**	1.045
1020	1	0	32	96.5	69.9	0.9	0.02	0.57	0	1.73	**12.143**	1.208	0.057
1021	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003
193	1	0	32	140.2	100.4	0.9	0.02	0.57	0	1.99	**19.186**	2.512	0.155
194	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003
218	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003
201	1	0	32	447.1	315.3	0.9	0.02	0.57	0	3.73	**67.87**	**26.672**	**5.232**
201G	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003
203	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003
229	1	0	32	48.6	36.3	0.9	0.02	0.57	0	1.44	**6.002**	0.413	0.014
230G	1	0	32	80.1	58.4	0.9	0.02	0.57	0	1.63	**9.815**	0.868	0.036
196	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003
231	1	0	32	125.5	90.1	0.9	0.02	0.57	0	1.9	**16.695**	2.003	0.113
231Lower	1	0	32	138	98.9	0.9	0.02	0.57	0	1.98	**18.801**	2.43	0.148
7	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
154	1	0	32	66.3	48.7	0.9	0.02	0.57	0	1.55	**8.039**	0.64	0.024
246	1	0	32	29.2	22.8	0.9	0.02	0.57	0	1.33	4.135	0.239	0.007
18	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003
20	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003
249	1	0	32	85.9	62.5	0.9	0.02	0.57	0	1.67	**10.621**	0.98	0.043
250	1	0	32	92.2	66.8	0.9	0.02	0.57	0	1.71	**11.506**	1.11	0.051
253	1	0	32	110	79.3	0.9	0.02	0.57	0	1.81	**14.195**	1.545	0.079
258	1	0	32	767.7	539.7	0.9	0.02	0.57	0	5.41	**89.512**	**56.645**	**20.252**
259	1	0	32	240.7	170.8	0.9	0.02	0.57	0	2.58	**37.317**	**7.922**	0.797
284M	1	0	32	152.7	109.2	0.9	0.02	0.57	0	2.07	**21.36**	3	0.198
285M	1	0	32	157.6	112.7	0.9	0.02	0.57	0	2.09	**22.236**	3.208	0.218
287	1	0	32	150.2	107.4	0.9	0.02	0.57	0	2.05	**20.921**	2.898	0.189
288	1	0	32	68.2	50	0.9	0.02	0.57	0	1.56	**8.264**	0.667	0.026
288G1	1	0	32	79.7	58.1	0.9	0.02	0.57	0	1.63	**9.757**	0.86	0.036
288G2	1	0	32	59.8	44.2	0.9	0.02	0.57	0	1.51	**7.258**	0.548	0.02
289G3	1	0	32	76.3	55.7	0.9	0.02	0.57	0	1.61	**9.307**	0.8	0.033
291	1	0	32	77.6	56.6	0.9	0.02	0.57	0	1.62	**9.476**	0.822	0.034
306	1	0	32	86.1	62.6	0.9	0.02	0.57	0	1.67	**10.645**	0.984	0.043
315	1	0	32	37.7	28.7	0.9	0.02	0.57	0	1.38	4.905	0.306	0.009
316	1	0	32	105.2	75.9	0.9	0.02	0.57	0	1.78	**13.446**	1.418	0.071
317	1	0	32	227.9	161.8	0.9	0.02	0.57	0	2.5	**35.012**	**7.053**	0.672
317M	1	0	32	494.8	348.7	0.9	0.02	0.57	0	3.99	**72.791**	**31.549**	**6.939**
318	1	0	32	452.2	318.9	0.9	0.02	0.57	0	3.76	**68.436**	**27.195**	**5.404**
319	1	0	32	505.5	356.2	0.9	0.02	0.57	0	4.05	**73.793**	**32.64**	**7.355**
319M	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003
420	1	0	32	517.5	364.6	0.9	0.02	0.57	0	4.11	**74.873**	**33.858**	**7.834**
421	1	0	32	318.8	225.4	0.9	0.02	0.57	0	3.02	**50.588**	**14.184**	1.913
410	1	0	32	394	278.1	0.9	0.02	0.57	0	3.44	**61.46**	**21.315**	3.629
412	1	0	32	12.8	11.3	0.9	0.02	0.57	0	1.23	2.857	0.14	0.003
413	1	0	32	543.1	382.5	0.9	0.02	0.57	0	4.25	**77.032**	**36.431**	**8.9**
325	1	0	32	37.8	28.8	0.9	0.02	0.57	0	1.38	4.918	0.307	0.009
326	1	0	32	71.5	52.3	0.9	0.02	0.57	0	1.58	**8.681**	0.719	0.028
327	1	0	32	50	37.3	0.9	0.02	0.57	0	1.45	**6.157**	0.429	0.014
999G1	1	0	32	85.9	62.4	0.9	0.02	0.57	0	1.67	**10.615**	0.979	0.043
999M1	1	0	32	79.9	58.2	0.9	0.02	0.57	0	1.63	**9.786**	0.864	0.036
999M2	1	0	32	56.1	41.6	0.9	0.02	0.57	0	1.49	**6.829**	0.5	0.017
999M3	1	0	32	83.8	61	0.9	0.02	0.57	0	1.66	**10.323**	0.938	0.04
72	1	0	32	230.4	163.6	0.9	0.02	0.57	0	2.52	**35.465**	**7.219**	0.695
1001	1	0	32	408.4	288.1	0.9	0.02	0.57	0	3.52	**63.292**	**22.745**	4.03
401	1	0	32	1101.5	773.4	0.9	0.02	0.57	0	7.03	**96.494**	**76.555**	**39.138**
402	1	0	32	577.5	406.6	0.9	0.02	0.57	0	4.43	**79.653**	**39.837**	**10.427**
403	1	0	32	419.6	296	0.9	0.02	0.57	0	3.58	**64.674**	**23.875**	4.36
440	1	0	32	145.2	103.9	0.9	0.02	0.57	0	2.02	**20.046**	2.7	0.171
441	1	0	32	737.9	518.8	0.9	0.02	0.57	0	5.26	**88.381**	**54.276**	**18.603**
442	1	0	32	258.8	183.4	0.9	0.02	0.57	0	2.68	**40.537**	**9.237**	1
1005	1	0	32	112.1	80.8	0.9	0.02	0.57	0	1.83	**14.533**	1.604	0.083

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
1006	1	0	32	91.7	66.5	0.9	0.02	0.57	0	1.7	**11.433**	1.099	0.05
1007	1	0	32	51.9	38.6	0.9	0.02	0.57	0	1.46	**6.358**	0.45	0.015
1008	1	0	32	91.5	66.3	0.9	0.02	0.57	0	1.7	**11.407**	1.095	0.05
1010	1	0	32	110.8	79.8	0.9	0.02	0.57	0	1.82	**14.318**	1.566	0.081
1011	1	0	32	146.2	104.7	0.9	0.02	0.57	0	2.03	**20.227**	2.74	0.175
345	1	0	32	103.9	75	0.9	0.02	0.57	0	1.78	**13.256**	1.386	0.068
346	1	0	32	130.4	93.6	0.9	0.02	0.57	0	1.93	**17.52**	2.166	0.126
347	1	0	32	312.7	221.2	0.9	0.02	0.57	0	2.99	**49.622**	**13.647**	1.803
430	1	0	32	262	185.7	0.9	0.02	0.57	0	2.7	**41.097**	**9.478**	1.039
431	1	0	32	110.3	79.5	0.9	0.02	0.57	0	1.81	**14.24**	1.552	0.08
432	1	0	32	307.5	217.5	0.9	0.02	0.57	0	2.96	**48.78**	**13.19**	1.711
801	1	0	32	239.9	170.3	0.9	0.02	0.57	0	2.57	**37.186**	**7.871**	0.789
3000	1	0	32	26.6	20.9	0.9	0.02	0.57	0	1.31	3.915	0.22	0.006
3001	1	0	32	371	262	0.9	0.02	0.57	0	3.31	**58.356**	**19.055**	3.034
3003	1	0	32	294.5	208.5	0.9	0.02	0.57	0	2.88	**46.656**	**12.084**	1.497
3004	1	0	32	81.9	59.6	0.9	0.02	0.57	0	1.65	**10.061**	0.902	0.038
280	1	0	32	367.4	259.5	0.9	0.02	0.57	0	3.29	**57.849**	**18.705**	2.946
280yard	1	0	32	302.9	214.3	0.9	0.02	0.57	0	2.93	**48.034**	**12.795**	1.633
075-A1	1	0	32	70.1	51.4	0.9	0.02	0.57	0	1.57	**8.506**	0.697	0.027
075-H1	1	0	32	81.8	59.5	0.9	0.02	0.57	0	1.64	**10.041**	0.899	0.038
075-O1	1	0	32	265	187.8	0.9	0.02	0.57	0	2.72	**41.629**	**9.71**	1.077
076-G1	1	0	32	85	61.8	0.9	0.02	0.57	0	1.66	**10.485**	0.961	0.042
076-G2	1	0	32	95.1	68.8	0.9	0.02	0.57	0	1.72	**11.93**	1.175	0.055
076-H1	1	0	32	93.4	67.7	0.9	0.02	0.57	0	1.71	**11.684**	1.137	0.052
076-H2	1	0	32	91.4	66.3	0.9	0.02	0.57	0	1.7	**11.399**	1.094	0.05
076-N1	1	0	32	157.3	112.4	0.9	0.02	0.57	0	2.09	**22.181**	3.194	0.217
077-A1	1	0	32	32.2	24.9	0.9	0.02	0.57	0	1.35	4.399	0.261	0.007
077-A2	1	0	32	31.3	24.2	0.9	0.02	0.57	0	1.34	4.317	0.254	0.007
077-G1	1	0	32	28.4	22.2	0.9	0.02	0.57	0	1.32	4.068	0.233	0.006
077-H1	1	0	32	36.3	27.7	0.9	0.02	0.57	0	1.37	4.776	0.295	0.009
077-H2	1	0	32	37.2	28.3	0.9	0.02	0.57	0	1.38	4.856	0.302	0.009
077-N1	1	0	32	34.8	26.6	0.9	0.02	0.57	0	1.36	4.628	0.281	0.008
078-G1	1	0	32	37.9	28.9	0.9	0.02	0.57	0	1.38	4.928	0.308	0.009
078-H1	1	0	32	24.6	19.5	0.9	0.02	0.57	0	1.3	3.747	0.207	0.005
078-N1	1	0	32	26.8	21.1	0.9	0.02	0.57	0	1.31	3.933	0.222	0.006
078-O1	1	0	32	32	24.7	0.9	0.02	0.57	0	1.34	4.384	0.26	0.007
079-H1	1	0	32	69.8	51.2	0.9	0.02	0.57	0	1.57	**8.474**	0.693	0.027
079-H2	1	0	32	121.7	87.5	0.9	0.02	0.57	0	1.88	**16.077**	1.885	0.104
080-H1	1	0	32	23.7	18.9	0.9	0.02	0.57	0	1.29	3.672	0.201	0.005
081-A1	1	0	32	36.3	27.7	0.9	0.02	0.57	0	1.37	4.769	0.294	0.009
081-H1	1	0	32	45.5	34.1	0.9	0.02	0.57	0	1.43	**5.676**	0.38	0.012
081-O1	1	0	32	126.2	90.6	0.9	0.02	0.57	0	1.91	**16.816**	2.026	0.115
082-G1	1	0	32	22.8	18.3	0.9	0.02	0.57	0	1.29	3.602	0.195	0.005
082-G2	1	0	32	41.1	31	0.9	0.02	0.57	0	1.4	**5.23**	0.337	0.01
082-H1	1	0	32	41.8	31.5	0.9	0.02	0.57	0	1.4	**5.299**	0.343	0.011
082-N1	1	0	32	35.4	27.1	0.9	0.02	0.57	0	1.36	4.69	0.287	0.008

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
082-N2	1	0	32	42.9	32.3	0.9	0.02	0.57	0	1.41	**5.414**	0.354	0.011
083-G1	1	0	32	35.4	27.1	0.9	0.02	0.57	0	1.36	4.69	0.287	0.008
083-G2	1	0	32	30.6	23.7	0.9	0.02	0.57	0	1.34	4.257	0.249	0.007
083-H1	1	0	32	44.4	33.4	0.9	0.02	0.57	0	1.42	**5.564**	0.369	0.012
084-H1	1	0	32	37.5	28.6	0.9	0.02	0.57	0	1.38	4.888	0.305	0.009
085-H1	1	0	32	60	44.3	0.9	0.02	0.57	0	1.51	**7.281**	0.551	0.02
085-O1	1	0	32	79.7	58.1	0.9	0.02	0.57	0	1.63	**9.759**	0.86	0.036
085-P1	1	0	32	157.2	112.3	0.9	0.02	0.57	0	2.09	**22.161**	3.19	0.216
086-G1	1	0	32	72.1	52.8	0.9	0.02	0.57	0	1.59	**8.766**	0.73	0.029
086-H1	1	0	32	60.8	44.9	0.9	0.02	0.57	0	1.52	**7.374**	0.562	0.02
086-H2	1	0	32	92.5	67.1	0.9	0.02	0.57	0	1.71	**11.561**	1.118	0.051
087-H1	1	0	32	51.6	38.4	0.9	0.02	0.57	0	1.46	**6.328**	0.447	0.015
087-O1	1	0	32	92.5	67.1	0.9	0.02	0.57	0	1.71	**11.561**	1.118	0.051
088-H1	1	0	32	184.3	131.3	0.9	0.02	0.57	0	2.25	**27.036**	4.47	0.348
088-H2	1	0	32	159	113.6	0.9	0.02	0.57	0	2.1	**22.48**	3.267	0.223
088-O1	1	0	32	136.3	97.7	0.9	0.02	0.57	0	1.97	**18.514**	2.37	0.143
089-A1	1	0	32	80.4	58.6	0.9	0.02	0.57	0	1.64	**9.862**	0.874	0.037
089-H1	1	0	32	95.1	68.8	0.9	0.02	0.57	0	1.72	**11.93**	1.175	0.055
089-O1	1	0	32	60.3	44.5	0.9	0.02	0.57	0	1.52	**7.314**	0.555	0.02
090-H1	1	0	32	95.3	69	0.9	0.02	0.57	0	1.73	**11.971**	1.181	0.055
090-O2	1	0	32	157.3	112.4	0.9	0.02	0.57	0	2.09	**22.181**	3.194	0.217
091-G1	1	0	32	81.3	59.2	0.9	0.02	0.57	0	1.64	**9.976**	0.89	0.038
091-H1	1	0	32	56	41.5	0.9	0.02	0.57	0	1.49	**6.815**	0.499	0.017
092-O1	1	0	32	180.3	128.5	0.9	0.02	0.57	0	2.23	**26.321**	4.269	0.326
092-O2	1	0	32	101.8	73.6	0.9	0.02	0.57	0	1.76	**12.934**	1.333	0.065
093-H1	1	0	32	67.9	49.8	0.9	0.02	0.57	0	1.56	**8.228**	0.663	0.025
094-H1	1	0	32	80.2	58.4	0.9	0.02	0.57	0	1.63	**9.823**	0.869	0.036
094-P1	1	0	32	77.1	56.3	0.9	0.02	0.57	0	1.62	**9.418**	0.815	0.033
095-A1	1	0	32	174.1	124.2	0.9	0.02	0.57	0	2.19	**25.201**	3.963	0.293
095-H1	1	0	32	118.6	85.3	0.9	0.02	0.57	0	1.86	**15.575**	1.791	0.097
095-O1	1	0	32	149.1	106.7	0.9	0.02	0.57	0	2.04	**20.736**	2.855	0.185
095-O2	1	0	32	177.5	126.6	0.9	0.02	0.57	0	2.21	**25.811**	4.128	0.311
096-H1	1	0	32	179.2	127.7	0.9	0.02	0.57	0	2.22	**26.117**	4.212	0.32
096-O1	1	0	32	313.4	221.7	0.9	0.02	0.57	0	2.99	**49.73**	**13.706**	1.815
097-H1	1	0	32	142.2	101.8	0.9	0.02	0.57	0	2	**19.525**	2.585	0.161
097-H2	1	0	32	117.8	84.8	0.9	0.02	0.57	0	1.86	**15.438**	1.766	0.095
098-G1	1	0	32	36.3	27.7	0.9	0.02	0.57	0	1.37	4.776	0.295	0.009
098-H1	1	0	32	34.4	26.4	0.9	0.02	0.57	0	1.36	4.597	0.279	0.008
098-O1	1	0	32	22.7	18.2	0.9	0.02	0.57	0	1.29	3.596	0.195	0.005
099-A1	1	0	32	56.5	41.8	0.9	0.02	0.57	0	1.49	**6.866**	0.505	0.018
099-G2	1	0	32	63.3	46.7	0.9	0.02	0.57	0	1.53	**7.675**	0.597	0.022
099-H1	1	0	32	144.4	103.4	0.9	0.02	0.57	0	2.02	**19.914**	2.671	0.169
099-O1	1	0	32	170.7	121.8	0.9	0.02	0.57	0	2.17	**24.573**	3.796	0.276
100-G1	1	0	32	46.1	34.6	0.9	0.02	0.57	0	1.43	**5.741**	0.386	0.012
100-H1	1	0	32	140.6	100.7	0.9	0.02	0.57	0	1.99	**19.247**	2.525	0.156
100-N1	1	0	32	88.4	64.2	0.9	0.02	0.57	0	1.68	**10.965**	1.03	0.046

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
100-N2	1	0	32	73.6	53.8	0.9	0.02	0.57	0	1.6	**8.955**	0.754	0.03
100-O1	1	0	32	138.4	99.2	0.9	0.02	0.57	0	1.98	**18.881**	2.447	0.149
101-G1	1	0	32	50.7	37.8	0.9	0.02	0.57	0	1.46	**6.23**	0.436	0.015
101-H1	1	0	32	131.5	94.4	0.9	0.02	0.57	0	1.94	**17.707**	2.203	0.129
101-O1	1	0	32	209.4	148.9	0.9	0.02	0.57	0	2.4	**31.646**	**5.885**	0.517
102-G1	1	0	32	56.5	41.8	0.9	0.02	0.57	0	1.49	**6.866**	0.505	0.018
102-H1	1	0	32	29.9	23.3	0.9	0.02	0.57	0	1.33	4.196	0.244	0.007
103-H1	1	0	32	118	84.9	0.9	0.02	0.57	0	1.86	**15.467**	1.771	0.096
103-O1	1	0	32	99	71.6	0.9	0.02	0.57	0	1.75	**12.513**	1.266	0.06
104-H1	1	0	32	182.1	129.8	0.9	0.02	0.57	0	2.24	**26.645**	4.359	0.336
104-H2	1	0	32	165.1	117.8	0.9	0.02	0.57	0	2.14	**23.562**	3.536	0.25
104-N1	1	0	32	149.8	107.2	0.9	0.02	0.57	0	2.05	**20.851**	2.882	0.188
105-H1	1	0	32	105.8	76.3	0.9	0.02	0.57	0	1.79	**13.538**	1.433	0.072
105-P1	1	0	32	217.3	154.4	0.9	0.02	0.57	0	2.44	**33.073**	**6.366**	0.579
106-G1	1	0	32	28.4	22.2	0.9	0.02	0.57	0	1.32	4.068	0.233	0.006
106-G2	1	0	32	28.5	22.3	0.9	0.02	0.57	0	1.32	4.075	0.234	0.006
106-H1	1	0	32	18.6	15.3	0.9	0.02	0.57	0	1.26	3.277	0.17	0.004
106-O1	1	0	32	24.9	19.7	0.9	0.02	0.57	0	1.3	3.772	0.209	0.006
107-H1	1	0	32	233.9	166	0.9	0.02	0.57	0	2.54	**36.096**	**7.454**	0.729
108-H1	1	0	32	72.8	53.2	0.9	0.02	0.57	0	1.59	**8.849**	0.741	0.029
108-O1	1	0	32	119.5	85.9	0.9	0.02	0.57	0	1.87	**15.712**	1.816	0.099
108-O2	1	0	32	53.9	40	0.9	0.02	0.57	0	1.48	**6.579**	0.473	0.016
109-H1	1	0	32	20.2	16.5	0.9	0.02	0.57	0	1.27	3.401	0.18	0.005
110-A1	1	0	32	91.7	66.5	0.9	0.02	0.57	0	1.7	**11.439**	1.1	0.05
110-G1	1	0	32	67.7	49.7	0.9	0.02	0.57	0	1.56	**8.21**	0.661	0.025
110-G2	1	0	32	30.8	23.9	0.9	0.02	0.57	0	1.34	4.272	0.25	0.007
110-H1	1	0	32	58.8	43.5	0.9	0.02	0.57	0	1.51	**7.137**	0.535	0.019
110-O1	1	0	32	46.1	34.5	0.9	0.02	0.57	0	1.43	**5.737**	0.386	0.012
110-O2	1	0	32	80.7	58.8	0.9	0.02	0.57	0	1.64	**9.896**	0.879	0.037
111-H1	1	0	32	41.9	31.6	0.9	0.02	0.57	0	1.4	**5.316**	0.345	0.011
112-G1	1	0	32	97.3	70.4	0.9	0.02	0.57	0	1.74	**12.264**	1.226	0.058
112-H1	1	0	32	85.4	62.1	0.9	0.02	0.57	0	1.67	**10.547**	0.97	0.042
112-O1	1	0	32	296.9	210.1	0.9	0.02	0.57	0	2.9	**47.05**	**12.285**	1.535
113-G1	1	0	32	171.6	122.4	0.9	0.02	0.57	0	2.18	**24.744**	3.841	0.281
113-G2	1	0	32	190.1	135.4	0.9	0.02	0.57	0	2.28	**28.113**	4.782	0.383
113-G3	1	0	32	76.3	55.7	0.9	0.02	0.57	0	1.61	**9.311**	0.8	0.033
113-O1	1	0	32	122.8	88.3	0.9	0.02	0.57	0	1.89	**16.26**	1.919	0.107
114-G1	1	0	32	292.8	207.2	0.9	0.02	0.57	0	2.87	**46.366**	**11.938**	1.47
114-H1	1	0	32	327.3	231.4	0.9	0.02	0.57	0	3.07	**51.919**	**14.947**	2.074
114-O1	1	0	32	263	186.4	0.9	0.02	0.57	0	2.7	**41.275**	**9.555**	1.052
115-O1	1	0	32	394.7	278.6	0.9	0.02	0.57	0	3.44	**61.552**	**21.385**	3.648
116-O1	1	0	32	135.7	97.3	0.9	0.02	0.57	0	1.97	**18.418**	2.349	0.141
117-O1	1	0	32	15.8	13.4	0.9	0.02	0.57	0	1.25	3.073	0.155	0.004
118-G1	1	0	32	26.3	20.7	0.9	0.02	0.57	0	1.31	3.89	0.218	0.006
118-G2	1	0	32	21.9	17.6	0.9	0.02	0.57	0	1.28	3.527	0.189	0.005
118-H1	1	0	32	21.9	17.6	0.9	0.02	0.57	0	1.28	3.529	0.19	0.005

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
118-N1	1	0	32	47.1	35.3	0.9	0.02	0.57	0	1.44	**5.845**	0.397	0.013
118-N2	1	0	32	76.2	55.7	0.9	0.02	0.57	0	1.61	**9.299**	0.799	0.033
119-P1	1	0	32	275.8	195.4	0.9	0.02	0.57	0	2.78	**43.498**	**10.555**	1.221
120-A1	1	0	32	57.4	42.5	0.9	0.02	0.57	0	1.5	**6.974**	0.517	0.018
120-G1	1	0	32	55.1	40.8	0.9	0.02	0.57	0	1.48	**6.708**	0.487	0.017
120-H1	1	0	32	58.4	43.2	0.9	0.02	0.57	0	1.5	**7.085**	0.529	0.019
120-O1	1	0	32	93.3	67.6	0.9	0.02	0.57	0	1.71	**11.67**	1.135	0.052
121-G1	1	0	32	31.1	24.1	0.9	0.02	0.57	0	1.34	4.302	0.253	0.007
121-H1	1	0	32	44.1	33.2	0.9	0.02	0.57	0	1.42	**5.536**	0.366	0.012
121-N1	1	0	32	21.6	17.4	0.9	0.02	0.57	0	1.28	3.509	0.188	0.005
121-N2	1	0	32	39.1	29.7	0.9	0.02	0.57	0	1.39	**5.041**	0.319	0.01
122-G1	1	0	32	65.4	48.1	0.9	0.02	0.57	0	1.55	**7.919**	0.626	0.023
122-G2	1	0	32	58.7	43.4	0.9	0.02	0.57	0	1.51	**7.127**	0.534	0.019
122-H1	1	0	32	114.4	82.4	0.9	0.02	0.57	0	1.84	**14.898**	1.668	0.088
122-H2	1	0	32	66.5	48.8	0.9	0.02	0.57	0	1.55	**8.053**	0.642	0.024
122-O1	1	0	32	167.4	119.5	0.9	0.02	0.57	0	2.15	**23.986**	3.644	0.261
122-O2	1	0	32	244.8	173.7	0.9	0.02	0.57	0	2.6	**38.061**	**8.215**	0.841
122-P1	1	0	32	320.9	226.9	0.9	0.02	0.57	0	3.03	**50.926**	**14.375**	1.953
123-G1	1	0	32	80.8	58.9	0.9	0.02	0.57	0	1.64	**9.919**	0.882	0.037
123-G2	1	0	32	93.1	67.5	0.9	0.02	0.57	0	1.71	**11.643**	1.131	0.052
123-H1	1	0	32	72.4	53	0.9	0.02	0.57	0	1.59	**8.807**	0.735	0.029
123-O1	1	0	32	101	73	0.9	0.02	0.57	0	1.76	**12.807**	1.313	0.064
123-O2	1	0	32	220.4	156.6	0.9	0.02	0.57	0	2.46	**33.653**	**6.567**	0.606
124-G1	1	0	32	28	21.9	0.9	0.02	0.57	0	1.32	4.032	0.23	0.006
124-G2	1	0	32	76.6	55.9	0.9	0.02	0.57	0	1.61	**9.351**	0.806	0.033
124-H1	1	0	32	35.1	26.9	0.9	0.02	0.57	0	1.36	4.659	0.284	0.008
124-N1	1	0	32	27.6	21.6	0.9	0.02	0.57	0	1.32	3.997	0.227	0.006
124-N2	1	0	32	8.5	8.3	0.9	0.02	0.57	0	1.2	2.57	0.12	0.003
124-O1	1	0	32	76.6	55.9	0.9	0.02	0.57	0	1.61	**9.344**	0.805	0.033
125-O1	1	0	32	70	51.3	0.9	0.02	0.57	0	1.57	**8.499**	0.696	0.027
126-A1	1	0	32	64.8	47.7	0.9	0.02	0.57	0	1.54	**7.848**	0.617	0.023
126-G1	1	0	32	49	36.6	0.9	0.02	0.57	0	1.45	**6.05**	0.418	0.014
126-G2	1	0	32	42.2	31.8	0.9	0.02	0.57	0	1.41	**5.338**	0.347	0.011
126-H1	1	0	32	22	17.7	0.9	0.02	0.57	0	1.28	3.542	0.191	0.005
126-O1	1	0	32	48.8	36.5	0.9	0.02	0.57	0	1.45	**6.023**	0.415	0.014
126-O2	1	0	32	25.4	20.1	0.9	0.02	0.57	0	1.3	3.814	0.212	0.006
126-O3	1	0	32	50	37.3	0.9	0.02	0.57	0	1.45	**6.148**	0.428	0.014
126-P1	1	0	32	28.1	22	0.9	0.02	0.57	0	1.32	4.042	0.231	0.006
127-A1	1	0	32	117.8	84.8	0.9	0.02	0.57	0	1.86	**15.438**	1.766	0.095
127-G1	1	0	32	63.2	46.5	0.9	0.02	0.57	0	1.53	**7.654**	0.594	0.022
127-G2	1	0	32	64.9	47.7	0.9	0.02	0.57	0	1.54	**7.858**	0.618	0.023
127-H1	1	0	32	96.8	70	0.9	0.02	0.57	0	1.73	**12.178**	1.213	0.057
127-H2	1	0	32	42.5	32	0.9	0.02	0.57	0	1.41	**5.372**	0.35	0.011
127-N1	1	0	32	118.3	85.1	0.9	0.02	0.57	0	1.86	**15.529**	1.783	0.096
128-G1	1	0	32	37	28.2	0.9	0.02	0.57	0	1.37	4.834	0.3	0.009
128-G2	1	0	32	68.6	50.3	0.9	0.02	0.57	0	1.57	**8.312**	0.673	0.026

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
128-G3	1	0	32	39.9	30.3	0.9	0.02	0.57	0	1.39	**5.119**	0.326	0.01
128-N1	1	0	32	120.3	86.5	0.9	0.02	0.57	0	1.87	**15.853**	1.843	0.101
128-O1	1	0	32	69.2	50.8	0.9	0.02	0.57	0	1.57	**8.396**	0.684	0.026
129-H1	1	0	32	297.1	210.3	0.9	0.02	0.57	0	2.9	**47.086**	**12.303**	1.539
129-H2	1	0	32	335.8	237.4	0.9	0.02	0.57	0	3.12	**53.231**	**15.726**	2.244
130-G1	1	0	32	37.3	28.4	0.9	0.02	0.57	0	1.38	4.867	0.303	0.009
130-H1	1	0	32	17.8	14.7	0.9	0.02	0.57	0	1.26	3.214	0.166	0.004
130-H2	1	0	32	53.1	39.5	0.9	0.02	0.57	0	1.47	**6.488**	0.464	0.016
131-H1	1	0	32	135.4	97.1	0.9	0.02	0.57	0	1.96	**18.371**	2.34	0.14
132-G1	1	0	32	18.4	15.2	0.9	0.02	0.57	0	1.26	3.264	0.169	0.004
132-G2	1	0	32	7.5	7.5	0.9	0.02	0.57	0	1.19	2.505	0.116	0.003
132-H1	1	0	32	28.6	22.3	0.9	0.02	0.57	0	1.32	4.08	0.234	0.006
132-O1	1	0	32	33.2	25.6	0.9	0.02	0.57	0	1.35	4.49	0.269	0.008
133-G1	1	0	32	156.6	111.9	0.9	0.02	0.57	0	2.09	**22.042**	3.161	0.213
133-H1	1	0	32	107.9	77.8	0.9	0.02	0.57	0	1.8	**13.873**	1.489	0.075
134-O1	1	0	32	580.4	408.6	0.9	0.02	0.57	0	4.44	**79.855**	**40.114**	**10.558**
135-G1	1	0	32	116.1	83.6	0.9	0.02	0.57	0	1.85	**15.171**	1.717	0.092
135-H1	1	0	32	169.3	120.8	0.9	0.02	0.57	0	2.16	**24.328**	3.732	0.27
135-O1	1	0	32	113.9	82.1	0.9	0.02	0.57	0	1.84	**14.823**	1.655	0.087
136-A1	1	0	32	27.3	21.4	0.9	0.02	0.57	0	1.32	3.968	0.225	0.006
136-G1	1	0	32	25	19.8	0.9	0.02	0.57	0	1.3	3.779	0.209	0.006
136-H1	1	0	32	34.3	26.4	0.9	0.02	0.57	0	1.36	4.592	0.278	0.008
136-O1	1	0	32	204.6	145.5	0.9	0.02	0.57	0	2.37	**30.754**	**5.595**	0.48
137-O1	1	0	32	180.6	128.7	0.9	0.02	0.57	0	2.23	**26.372**	4.283	0.328
137-O2	1	0	32	122	87.7	0.9	0.02	0.57	0	1.88	**16.122**	1.893	0.105
138-G1	1	0	32	35.5	27.1	0.9	0.02	0.57	0	1.37	4.698	0.287	0.008
138-G2	1	0	32	48.1	36	0.9	0.02	0.57	0	1.44	**5.952**	0.408	0.013
138-H1	1	0	32	28.5	22.3	0.9	0.02	0.57	0	1.32	4.075	0.234	0.006
138-O1	1	0	32	24.4	19.4	0.9	0.02	0.57	0	1.3	3.731	0.205	0.005
138-O2	1	0	32	45.5	34.1	0.9	0.02	0.57	0	1.43	**5.676**	0.38	0.012
139-G1	1	0	32	46.7	35	0.9	0.02	0.57	0	1.43	**5.801**	0.392	0.013
139-G2	1	0	32	39.6	30	0.9	0.02	0.57	0	1.39	**5.09**	0.323	0.01
139-H1	1	0	32	42.7	32.2	0.9	0.02	0.57	0	1.41	**5.391**	0.352	0.011
139-N1	1	0	32	45.5	34.2	0.9	0.02	0.57	0	1.43	**5.679**	0.38	0.012
140-G1	1	0	32	263	186.4	0.9	0.02	0.57	0	2.7	**41.284**	**9.559**	1.052
140-H1	1	0	32	20.2	16.5	0.9	0.02	0.57	0	1.27	3.401	0.18	0.005
140-O1	1	0	32	494.1	348.2	0.9	0.02	0.57	0	3.99	**72.723**	**31.476**	**6.912**
140-O2	1	0	32	20.2	16.5	0.9	0.02	0.57	0	1.27	3.401	0.18	0.005
141-A1	1	0	32	39	29.6	0.9	0.02	0.57	0	1.39	**5.025**	0.317	0.01
141-H1	1	0	32	68.6	50.3	0.9	0.02	0.57	0	1.57	**8.322**	0.674	0.026
141-H2	1	0	32	80.4	58.6	0.9	0.02	0.57	0	1.64	**9.862**	0.874	0.037
141-H3	1	0	32	65.1	47.9	0.9	0.02	0.57	0	1.54	**7.888**	0.622	0.023
141-N1	1	0	32	29.5	22.9	0.9	0.02	0.57	0	1.33	4.155	0.24	0.007
141-N2	1	0	32	41.7	31.5	0.9	0.02	0.57	0	1.4	**5.296**	0.343	0.011
141-N3	1	0	32	12.4	11	0.9	0.02	0.57	0	1.22	2.834	0.138	0.003
141-N4	1	0	32	38.4	29.1	0.9	0.02	0.57	0	1.38	4.968	0.312	0.009

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
141-O1	1	0	32	43.9	33	0.9	0.02	0.57	0	1.42	**5.516**	0.364	0.012
142-H1	1	0	32	97.6	70.6	0.9	0.02	0.57	0	1.74	**12.302**	1.232	0.058
142-O1	1	0	32	69.2	50.7	0.9	0.02	0.57	0	1.57	**8.389**	0.683	0.026
143-A1	1	0	32	52	38.7	0.9	0.02	0.57	0	1.47	**6.368**	0.451	0.015
143-G1	1	0	32	65.9	48.5	0.9	0.02	0.57	0	1.55	**7.988**	0.634	0.024
143-G2	1	0	32	46.9	35.1	0.9	0.02	0.57	0	1.43	**5.819**	0.394	0.013
143-H1	1	0	32	70.6	51.7	0.9	0.02	0.57	0	1.58	**8.57**	0.705	0.028
144-G1	1	0	32	98.6	71.3	0.9	0.02	0.57	0	1.75	**12.448**	1.255	0.06
144-H1	1	0	32	140.5	100.7	0.9	0.02	0.57	0	1.99	**19.235**	2.522	0.156
145-A1	1	0	32	61.4	45.3	0.9	0.02	0.57	0	1.52	**7.44**	0.569	0.021
145-H1	1	0	32	159.9	114.2	0.9	0.02	0.57	0	2.11	**22.63**	3.303	0.227
146-H1	1	0	32	1802.4	1264	0.9	0.02	0.57	0	10.07	**99.501**	**93.187**	**68.789**
147-G1	1	0	32	59.7	44	0.9	0.02	0.57	0	1.51	**7.235**	0.546	0.02
147-G2	1	0	32	85	61.8	0.9	0.02	0.57	0	1.66	**10.485**	0.961	0.042
147-H1	1	0	32	83.3	60.6	0.9	0.02	0.57	0	1.65	**10.252**	0.928	0.04
148-H1	1	0	32	48.3	36.1	0.9	0.02	0.57	0	1.44	**5.975**	0.41	0.013
148-O1	1	0	32	61.7	45.5	0.9	0.02	0.57	0	1.52	**7.473**	0.573	0.021
148-O3	1	0	32	105.2	75.9	0.9	0.02	0.57	0	1.78	**13.448**	1.418	0.071
149-A1	1	0	32	46.5	34.8	0.9	0.02	0.57	0	1.43	**5.781**	0.39	0.013
149-G1	1	0	32	49	36.6	0.9	0.02	0.57	0	1.45	**6.041**	0.417	0.014
149-G2	1	0	32	54.4	40.4	0.9	0.02	0.57	0	1.48	**6.638**	0.48	0.017
149-H1	1	0	32	73.2	53.5	0.9	0.02	0.57	0	1.59	**8.904**	0.748	0.03
149-N1	1	0	32	34.4	26.4	0.9	0.02	0.57	0	1.36	4.597	0.279	0.008
150-G1	1	0	32	43.8	32.9	0.9	0.02	0.57	0	1.42	**5.498**	0.362	0.011
150-H1	1	0	32	37.9	28.9	0.9	0.02	0.57	0	1.38	4.928	0.308	0.009
151-H1	1	0	32	101.2	73.2	0.9	0.02	0.57	0	1.76	**12.85**	1.32	0.064
152-G1	1	0	32	114	82.1	0.9	0.02	0.57	0	1.84	**14.83**	1.656	0.087
152-H1	1	0	32	165.7	118.3	0.9	0.02	0.57	0	2.14	**23.683**	3.566	0.253
153-G1	1	0	32	105.6	76.3	0.9	0.02	0.57	0	1.79	**13.522**	1.43	0.071
153-H1	1	0	32	282.2	199.9	0.9	0.02	0.57	0	2.81	**44.589**	**11.068**	1.311
153-O1	1	0	32	222.5	158.1	0.9	0.02	0.57	0	2.47	**34.03**	**6.7**	0.624
153-O2	1	0	32	372.5	263.1	0.9	0.02	0.57	0	3.32	**58.566**	**19.202**	3.071
153-O3	1	0	32	220.4	156.6	0.9	0.02	0.57	0	2.46	**33.655**	**6.568**	0.606
153-O5	1	0	32	304.6	215.5	0.9	0.02	0.57	0	2.94	**48.309**	**12.94**	1.662
153-O6	1	0	32	101.9	73.6	0.9	0.02	0.57	0	1.76	**12.951**	1.336	0.065
153-O7	1	0	32	361	255	0.9	0.02	0.57	0	3.26	**56.948**	**18.093**	2.795
153-P1	1	0	32	280.1	198.4	0.9	0.02	0.57	0	2.8	**44.226**	**10.896**	1.28
154-G1	1	0	32	21.4	17.3	0.9	0.02	0.57	0	1.28	3.49	0.187	0.005
154-H1	1	0	32	21.8	17.5	0.9	0.02	0.57	0	1.28	3.522	0.189	0.005
155-G1	1	0	32	139.7	100.1	0.9	0.02	0.57	0	1.99	**19.09**	2.491	0.153
155-G2	1	0	32	91.7	66.5	0.9	0.02	0.57	0	1.7	**11.439**	1.1	0.05
155-H1	1	0	32	52.4	39	0.9	0.02	0.57	0	1.47	**6.414**	0.456	0.015
155-H2	1	0	32	168.3	120.1	0.9	0.02	0.57	0	2.16	**24.136**	3.682	0.265
155-O2	1	0	32	270.9	191.9	0.9	0.02	0.57	0	2.75	**42.651**	**10.166**	1.154
156-H1	1	0	32	81.7	59.5	0.9	0.02	0.57	0	1.64	**10.033**	0.898	0.038
156-O1	1	0	32	145.8	104.4	0.9	0.02	0.57	0	2.03	**20.157**	2.725	0.173

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
157-G1	1	0	32	41.7	31.5	0.9	0.02	0.57	0	1.4	**5.288**	0.342	0.011
157-H1	1	0	32	92.5	67.1	0.9	0.02	0.57	0	1.71	**11.561**	1.118	0.051
157-H2	1	0	32	63.1	46.5	0.9	0.02	0.57	0	1.53	**7.644**	0.593	0.022
157-O1	1	0	32	67.1	49.3	0.9	0.02	0.57	0	1.56	**8.134**	0.651	0.025
158-H1	1	0	32	33.8	26	0.9	0.02	0.57	0	1.36	4.543	0.274	0.008
158-O1	1	0	32	51.2	38.1	0.9	0.02	0.57	0	1.46	**6.276**	0.441	0.015
159-G1	1	0	32	70.3	51.5	0.9	0.02	0.57	0	1.58	**8.537**	0.701	0.027
159-H1	1	0	32	59.6	44	0.9	0.02	0.57	0	1.51	**7.231**	0.545	0.02
159-H2	1	0	32	101	73	0.9	0.02	0.57	0	1.76	**12.807**	1.313	0.064
159-O1	1	0	32	44.3	33.3	0.9	0.02	0.57	0	1.42	**5.55**	0.367	0.012
159-O2	1	0	32	51.2	38.2	0.9	0.02	0.57	0	1.46	**6.286**	0.442	0.015
160-G1	1	0	32	130.4	93.6	0.9	0.02	0.57	0	1.93	**17.517**	2.165	0.126
160-H1	1	0	32	80.3	58.5	0.9	0.02	0.57	0	1.64	**9.839**	0.871	0.037
160-H2	1	0	32	75.1	54.8	0.9	0.02	0.57	0	1.6	**9.145**	0.779	0.031
161-H1	1	0	32	129.6	93	0.9	0.02	0.57	0	1.93	**17.376**	2.137	0.124
161-N1	1	0	32	100.7	72.8	0.9	0.02	0.57	0	1.76	**12.764**	1.306	0.063
162-H1	1	0	32	80.7	58.8	0.9	0.02	0.57	0	1.64	**9.904**	0.88	0.037
163-G1	1	0	32	53	39.4	0.9	0.02	0.57	0	1.47	**6.479**	0.463	0.016
163-O1	1	0	32	71	52	0.9	0.02	0.57	0	1.58	**8.624**	0.712	0.028
164-H1	1	0	32	130.1	93.4	0.9	0.02	0.57	0	1.93	**17.471**	2.156	0.125
165-H1	1	0	32	13.2	11.6	0.9	0.02	0.57	0	1.23	2.889	0.142	0.003
165-O1	1	0	32	62.6	46.2	0.9	0.02	0.57	0	1.53	**7.589**	0.587	0.022
166-O1	1	0	32	254.2	180.2	0.9	0.02	0.57	0	2.65	**39.725**	**8.894**	0.945
167-O1	1	0	32	99.3	71.8	0.9	0.02	0.57	0	1.75	**12.554**	1.272	0.061
167-O2	1	0	32	154.5	110.5	0.9	0.02	0.57	0	2.08	**21.683**	3.076	0.205
167-O3	1	0	32	223.8	158.9	0.9	0.02	0.57	0	2.48	**34.265**	**6.784**	0.635
167-O4	1	0	32	175.9	125.4	0.9	0.02	0.57	0	2.2	**25.518**	4.048	0.302
167-O5	1	0	32	224.2	159.2	0.9	0.02	0.57	0	2.48	**34.34**	**6.81**	0.639
167-O6	1	0	32	246.5	174.9	0.9	0.02	0.57	0	2.61	**38.362**	**8.336**	0.859
167-O7	1	0	32	397.1	280.3	0.9	0.02	0.57	0	3.46	**61.859**	**21.62**	3.712
167-O8	1	0	32	205.3	146	0.9	0.02	0.57	0	2.37	**30.885**	**5.637**	0.486
167-O9	1	0	32	196.9	140.1	0.9	0.02	0.57	0	2.32	**29.344**	**5.153**	0.427
168-G1	1	0	32	37.5	28.6	0.9	0.02	0.57	0	1.38	4.888	0.305	0.009
168-G2	1	0	32	38	28.9	0.9	0.02	0.57	0	1.38	4.936	0.309	0.009
168-H1	1	0	32	28.8	22.4	0.9	0.02	0.57	0	1.32	4.097	0.235	0.007
168-N1	1	0	32	32.7	25.2	0.9	0.02	0.57	0	1.35	4.445	0.265	0.008
168-O1	1	0	32	48.2	36	0.9	0.02	0.57	0	1.44	**5.961**	0.409	0.013
169-G2	1	0	32	36.5	27.9	0.9	0.02	0.57	0	1.37	4.792	0.296	0.009
169-G3	1	0	32	54.8	40.6	0.9	0.02	0.57	0	1.48	**6.676**	0.484	0.017
169-G4	1	0	32	52.3	38.9	0.9	0.02	0.57	0	1.47	**6.396**	0.454	0.015
169-H1	1	0	32	41.5	31.3	0.9	0.02	0.57	0	1.4	**5.271**	0.341	0.011
170-G1	1	0	32	47.3	35.4	0.9	0.02	0.57	0	1.44	**5.863**	0.399	0.013
170-G2	1	0	32	116.9	84.2	0.9	0.02	0.57	0	1.85	**15.303**	1.741	0.093
170-H1	1	0	32	77	56.2	0.9	0.02	0.57	0	1.62	**9.408**	0.813	0.033
171-A1	1	0	32	155.6	111.3	0.9	0.02	0.57	0	2.08	**21.881**	3.123	0.21
171-G1	1	0	32	240.6	170.7	0.9	0.02	0.57	0	2.58	**37.308**	**7.919**	0.796

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
171-H1	1	0	32	233.5	165.7	0.9	0.02	0.57	0	2.54	**36.023**	**7.427**	0.725
173-G1	1	0	32	49.2	36.8	0.9	0.02	0.57	0	1.45	**6.068**	0.419	0.014
173-G2	1	0	32	17	14.2	0.9	0.02	0.57	0	1.25	3.158	0.162	0.004
173-G3	1	0	32	86.7	63	0.9	0.02	0.57	0	1.67	**10.721**	0.995	0.044
173-G4	1	0	32	120.3	86.5	0.9	0.02	0.57	0	1.87	**15.848**	1.842	0.101
173-G5	1	0	32	26.1	20.6	0.9	0.02	0.57	0	1.31	3.869	0.217	0.006
173-H1	1	0	32	136.6	97.9	0.9	0.02	0.57	0	1.97	**18.561**	2.379	0.144
173-P1	1	0	32	175	124.8	0.9	0.02	0.57	0	2.2	**25.353**	4.004	0.298
174-A1	1	0	32	71.9	52.7	0.9	0.02	0.57	0	1.59	**8.741**	0.727	0.029
174-G1	1	0	32	78.9	57.5	0.9	0.02	0.57	0	1.63	**9.658**	0.847	0.035
174-H1	1	0	32	179.5	127.9	0.9	0.02	0.57	0	2.22	**26.168**	4.226	0.321
175-G1	1	0	32	77.2	56.4	0.9	0.02	0.57	0	1.62	**9.432**	0.817	0.034
175-G2	1	0	32	26.8	21	0.9	0.02	0.57	0	1.31	3.928	0.221	0.006
175-H1	1	0	32	75.5	55.1	0.9	0.02	0.57	0	1.61	**9.2**	0.786	0.032
176-A1	1	0	32	39.3	29.8	0.9	0.02	0.57	0	1.39	**5.057**	0.32	0.01
176-H1	1	0	32	50.3	37.5	0.9	0.02	0.57	0	1.46	**6.185**	0.432	0.014
176-H2	1	0	32	29	22.6	0.9	0.02	0.57	0	1.33	4.119	0.237	0.007
176-P1	1	0	32	39	29.6	0.9	0.02	0.57	0	1.39	**5.033**	0.318	0.01
178-H1	1	0	32	29.1	22.7	0.9	0.02	0.57	0	1.33	4.126	0.238	0.007
179-H1	1	0	32	82.9	60.3	0.9	0.02	0.57	0	1.65	**10.203**	0.921	0.039
180-H1	1	0	32	421.7	297.5	0.9	0.02	0.57	0	3.59	**64.931**	**24.09**	4.425
180-H2	1	0	32	20.2	16.5	0.9	0.02	0.57	0	1.27	3.401	0.18	0.005
180-O1	1	0	32	479.9	338.2	0.9	0.02	0.57	0	3.91	**71.334**	**30.025**	**6.379**
181-A1	1	0	32	106.1	76.6	0.9	0.02	0.57	0	1.79	**13.588**	1.441	0.072
181-G1	1	0	32	48.7	36.4	0.9	0.02	0.57	0	1.45	**6.009**	0.414	0.014
181-G2	1	0	32	112.3	80.9	0.9	0.02	0.57	0	1.83	**14.559**	1.608	0.084
181-H1	1	0	32	121.4	87.3	0.9	0.02	0.57	0	1.88	**16.026**	1.875	0.103
181-H2	1	0	32	115	82.8	0.9	0.02	0.57	0	1.84	**14.993**	1.685	0.089
181-N1	1	0	32	126.7	91	0.9	0.02	0.57	0	1.91	**16.904**	2.044	0.116
181-N2	1	0	32	138.4	99.2	0.9	0.02	0.57	0	1.98	**18.881**	2.447	0.149
181-O1	1	0	32	57.3	42.4	0.9	0.02	0.57	0	1.5	**6.962**	0.515	0.018
182-G1	1	0	32	199.4	141.9	0.9	0.02	0.57	0	2.34	**29.805**	**5.295**	0.444
182-G2	1	0	32	179.8	128.2	0.9	0.02	0.57	0	2.22	**26.226**	4.242	0.323
182-H1	1	0	32	138.6	99.3	0.9	0.02	0.57	0	1.98	**18.901**	2.451	0.15
182-H2	1	0	32	133.8	95.9	0.9	0.02	0.57	0	1.95	**18.085**	2.281	0.135
182-O1	1	0	32	110.2	79.4	0.9	0.02	0.57	0	1.81	**14.233**	1.551	0.08
182-O2	1	0	32	186	132.5	0.9	0.02	0.57	0	2.26	**27.351**	4.56	0.358
182-O3	1	0	32	178.6	127.3	0.9	0.02	0.57	0	2.22	**26.015**	4.184	0.317
184-H1	1	0	32	188.9	134.5	0.9	0.02	0.57	0	2.28	**27.876**	4.713	0.375
185-A1	1	0	32	33.8	26	0.9	0.02	0.57	0	1.36	4.546	0.274	0.008
185-H1	1	0	32	32.6	25.1	0.9	0.02	0.57	0	1.35	4.429	0.264	0.008
186-O1	1	0	32	350	247.3	0.9	0.02	0.57	0	3.2	**55.351**	**17.046**	2.545
187-H1	1	0	32	107.5	77.6	0.9	0.02	0.57	0	1.8	**13.809**	1.479	0.075
188-A1	1	0	32	78.2	57.1	0.9	0.02	0.57	0	1.62	**9.567**	0.835	0.035
188-G1	1	0	32	116.9	84.2	0.9	0.02	0.57	0	1.85	**15.303**	1.741	0.093
188-G2	1	0	32	122	87.7	0.9	0.02	0.57	0	1.88	**16.122**	1.893	0.105

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
188-G3	1	0	32	61.7	45.5	0.9	0.02	0.57	0	1.52	**7.473**	0.573	0.021
188-H1	1	0	32	39	29.6	0.9	0.02	0.57	0	1.39	**5.033**	0.318	0.01
188-P1	1	0	32	56.6	41.9	0.9	0.02	0.57	0	1.49	**6.885**	0.507	0.018
189-G1	1	0	32	44	33.1	0.9	0.02	0.57	0	1.42	**5.524**	0.365	0.012
189-H1	1	0	32	76.3	55.7	0.9	0.02	0.57	0	1.61	**9.311**	0.8	0.033
189-H2	1	0	32	103.5	74.7	0.9	0.02	0.57	0	1.77	**13.19**	1.375	0.068
189-O1	1	0	32	119.8	86.2	0.9	0.02	0.57	0	1.87	**15.767**	1.827	0.1
190-G1	1	0	32	18.3	15.1	0.9	0.02	0.57	0	1.26	3.252	0.168	0.004
190-H1	1	0	32	41.5	31.3	0.9	0.02	0.57	0	1.4	**5.268**	0.34	0.011
190-N1	1	0	32	26.9	21.1	0.9	0.02	0.57	0	1.31	3.94	0.222	0.006
190-N2	1	0	32	24.4	19.4	0.9	0.02	0.57	0	1.3	3.731	0.205	0.005
190-N3	1	0	32	21	17	0.9	0.02	0.57	0	1.28	3.457	0.184	0.005
190-O1	1	0	32	62.8	46.2	0.9	0.02	0.57	0	1.53	**7.603**	0.588	0.022
191-H1	1	0	32	211.2	150.1	0.9	0.02	0.57	0	2.41	**31.962**	**5.99**	0.53
192-A1	1	0	32	37.4	28.5	0.9	0.02	0.57	0	1.38	4.88	0.304	0.009
192-G1	1	0	32	28.4	22.2	0.9	0.02	0.57	0	1.32	4.068	0.233	0.006
192-H1	1	0	32	34	26.1	0.9	0.02	0.57	0	1.36	4.556	0.275	0.008
193-G1	1	0	32	18.6	15.3	0.9	0.02	0.57	0	1.26	3.277	0.17	0.004
193-H1	1	0	32	21.4	17.3	0.9	0.02	0.57	0	1.28	3.492	0.187	0.005
194-H1	1	0	32	27.5	21.5	0.9	0.02	0.57	0	1.32	3.984	0.226	0.006
194-N1	1	0	32	34.2	26.2	0.9	0.02	0.57	0	1.36	4.574	0.276	0.008
195-G1	1	0	32	77.8	56.8	0.9	0.02	0.57	0	1.62	**9.512**	0.827	0.034
195-G2	1	0	32	154.8	110.7	0.9	0.02	0.57	0	2.08	**21.732**	3.087	0.206
195-O1	1	0	32	195.5	139.1	0.9	0.02	0.57	0	2.32	**29.088**	**5.074**	0.417
196-A1	1	0	32	57.5	42.5	0.9	0.02	0.57	0	1.5	**6.981**	0.517	0.018
196-A2	1	0	32	68.7	50.4	0.9	0.02	0.57	0	1.57	**8.326**	0.675	0.026
196-G1	1	0	32	47.7	35.7	0.9	0.02	0.57	0	1.44	**5.907**	0.403	0.013
196-O1	1	0	32	69	50.6	0.9	0.02	0.57	0	1.57	**8.364**	0.68	0.026
197-H1	1	0	32	140.9	100.9	0.9	0.02	0.57	0	2	**19.306**	2.538	0.157
198-G1	1	0	32	78.3	57.1	0.9	0.02	0.57	0	1.62	**9.581**	0.836	0.035
198-H1	1	0	32	168.3	120.1	0.9	0.02	0.57	0	2.16	**24.136**	3.682	0.265
199-G1	1	0	32	14.7	12.6	0.9	0.02	0.57	0	1.24	2.993	0.15	0.004
199-O1	1	0	32	26.5	20.8	0.9	0.02	0.57	0	1.31	3.902	0.219	0.006
200-G1	1	0	32	29.9	23.2	0.9	0.02	0.57	0	1.33	4.192	0.243	0.007
200-H1	1	0	32	29.1	22.7	0.9	0.02	0.57	0	1.33	4.126	0.238	0.007
200-O1	1	0	32	27.7	21.7	0.9	0.02	0.57	0	1.32	4.004	0.228	0.006
201-O1	1	0	32	324.8	229.7	0.9	0.02	0.57	0	3.05	**51.535**	**14.724**	2.026
202-H1	1	0	32	173.3	123.6	0.9	0.02	0.57	0	2.19	**25.049**	3.922	0.289
202-N1	1	0	32	57.9	42.8	0.9	0.02	0.57	0	1.5	**7.03**	0.523	0.019
202-O1	1	0	32	137	98.2	0.9	0.02	0.57	0	1.97	**18.633**	2.394	0.145
203-H1	1	0	32	20.2	16.5	0.9	0.02	0.57	0	1.27	3.401	0.18	0.005
203-O1	1	0	32	20.2	16.5	0.9	0.02	0.57	0	1.27	3.401	0.18	0.005
203-O2	1	0	32	479.2	337.8	0.9	0.02	0.57	0	3.91	**71.264**	**29.953**	**6.354**
205-O1	1	0	32	507.3	357.4	0.9	0.02	0.57	0	4.06	**73.949**	**32.813**	**7.422**
206-A1	1	0	32	116.1	83.6	0.9	0.02	0.57	0	1.85	**15.168**	1.717	0.092
206-G1	1	0	32	50.4	37.6	0.9	0.02	0.57	0	1.46	**6.194**	0.433	0.014

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
206-H1	1	0	32	18	14.9	0.9	0.02	0.57	0	1.26	3.23	0.167	0.004
206-H2	1	0	32	285	201.8	0.9	0.02	0.57	0	2.83	**45.054**	**11.292**	1.351
206-O1	1	0	32	252.4	179	0.9	0.02	0.57	0	2.64	**39.41**	**8.763**	0.925
207-O1	1	0	32	110.8	79.9	0.9	0.02	0.57	0	1.82	**14.329**	1.568	0.081
208-H1	1	0	32	264.1	187.2	0.9	0.02	0.57	0	2.71	**41.469**	**9.64**	1.066
209-G1	1	0	32	238.7	169.4	0.9	0.02	0.57	0	2.57	**36.958**	**7.783**	0.776
209-H1	1	0	32	391.9	276.6	0.9	0.02	0.57	0	3.43	**61.181**	**21.104**	3.571
209-P1	1	0	32	517.6	364.6	0.9	0.02	0.57	0	4.11	**74.874**	**33.858**	**7.834**
210-H1	1	0	32	113.6	81.8	0.9	0.02	0.57	0	1.83	**14.762**	1.644	0.086
210-O1	1	0	32	127.9	91.8	0.9	0.02	0.57	0	1.92	**17.096**	2.081	0.119
211-A1	1	0	32	71.8	52.6	0.9	0.02	0.57	0	1.58	**8.73**	0.725	0.029
211-G1	1	0	32	38.6	29.3	0.9	0.02	0.57	0	1.38	4.992	0.314	0.009
211-G2	1	0	32	44.7	33.6	0.9	0.02	0.57	0	1.42	**5.593**	0.372	0.012
211-H1	1	0	32	70.7	51.8	0.9	0.02	0.57	0	1.58	**8.58**	0.707	0.028
211-O1	1	0	32	127.3	91.4	0.9	0.02	0.57	0	1.92	**17.002**	2.063	0.118
212-H1	1	0	32	188.5	134.2	0.9	0.02	0.57	0	2.27	**27.807**	4.692	0.373
212-H2	1	0	32	149.1	106.7	0.9	0.02	0.57	0	2.04	**20.737**	2.856	0.185
213-O1	1	0	32	35.5	27.1	0.9	0.02	0.57	0	1.37	4.694	0.287	0.008
213-O2	1	0	32	84.3	61.3	0.9	0.02	0.57	0	1.66	**10.398**	0.949	0.041
213-O3	1	0	32	57.5	42.5	0.9	0.02	0.57	0	1.5	**6.986**	0.518	0.018
801-O1	1	0	32	28.9	22.5	0.9	0.02	0.57	0	1.33	4.109	0.236	0.007
801-O2	1	0	32	14.9	12.8	0.9	0.02	0.57	0	1.24	3.009	0.151	0.004
801-O3	1	0	32	31.1	24.1	0.9	0.02	0.57	0	1.34	4.302	0.253	0.007
802-O1	1	0	32	150.3	107.5	0.9	0.02	0.57	0	2.05	**20.942**	2.903	0.189
803-O1	1	0	32	446.5	314.8	0.9	0.02	0.57	0	3.73	**67.798**	**26.605**	**5.21**
803-O2	1	0	32	314.6	222.6	0.9	0.02	0.57	0	3	**49.935**	**13.819**	1.838
803-O3	1	0	32	234.7	166.6	0.9	0.02	0.57	0	2.54	**36.248**	**7.512**	0.737
804-O1	1	0	32	102.1	73.8	0.9	0.02	0.57	0	1.77	**12.977**	1.34	0.065
804-O2	1	0	32	254.1	180.1	0.9	0.02	0.57	0	2.65	**39.707**	**8.886**	0.944
805-O1	1	0	32	38.2	29	0.9	0.02	0.57	0	1.38	4.952	0.311	0.009
805-O2	1	0	32	45.5	34.1	0.9	0.02	0.57	0	1.43	**5.676**	0.38	0.012
806-O1	1	0	32	28.4	22.1	0.9	0.02	0.57	0	1.32	4.061	0.232	0.006
806-O2	1	0	32	29.6	23	0.9	0.02	0.57	0	1.33	4.169	0.241	0.007
806-O3	1	0	32	50.7	37.8	0.9	0.02	0.57	0	1.46	**6.221**	0.435	0.015
806-O4	1	0	32	36.9	28.1	0.9	0.02	0.57	0	1.37	4.832	0.3	0.009
806-O5	1	0	32	37.3	28.5	0.9	0.02	0.57	0	1.38	4.872	0.303	0.009
807-O1	1	0	32	29	22.6	0.9	0.02	0.57	0	1.33	4.121	0.237	0.007
808-O1	1	0	32	33.7	25.9	0.9	0.02	0.57	0	1.35	4.536	0.273	0.008
808-O2	1	0	32	35.8	27.4	0.9	0.02	0.57	0	1.37	4.73	0.29	0.009
203-O3	1	0	32	20.2	16.5	0.9	0.02	0.57	0	1.27	3.401	0.18	0.005
203-O4	1	0	32	20.2	16.5	0.9	0.02	0.57	0	1.27	3.401	0.18	0.005

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 2/20/2020
Site Name: UCR
Operable Unit: Current Resident, Walleye
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: RES WAL_02`20`20.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
13	1	0	32	92.4	67	0.9	0.02	0.11	0	1.63	**9.685**	0.85	0.035
14	1	0	32	77.1	56.3	0.9	0.02	0.11	0	1.54	**7.726**	0.603	0.022
15	1	0	32	93.6	67.8	0.9	0.02	0.11	0	1.64	**9.837**	0.871	0.037
16	1	0	32	356	251.5	0.9	0.02	0.11	0	3.15	**54.258**	**16.356**	2.386
17	1	0	32	150.5	107.7	0.9	0.02	0.11	0	1.97	**18.666**	2.401	0.145
9	1	0	32	91.8	66.5	0.9	0.02	0.11	0	1.62	**9.593**	0.838	0.035
40	1	0	32	12.8	11.3	0.9	0.02	0.11	0	1.15	2.025	0.086	0.002
1015	1	0	32	47.6	35.6	0.9	0.02	0.11	0	1.36	4.585	0.277	0.008
1017	1	0	32	139.2	99.8	0.9	0.02	0.11	0	1.91	**16.769**	2.017	0.114
1018	1	0	32	51.9	38.6	0.9	0.02	0.11	0	1.38	4.985	0.314	0.009
42	1	0	32	229.6	163.1	0.9	0.02	0.11	0	2.44	**32.904**	**6.308**	0.571
44	1	0	32	99.7	72.1	0.9	0.02	0.11	0	1.67	**10.683**	0.989	0.043
46	1	0	32	188.7	134.4	0.9	0.02	0.11	0	2.2	**25.419**	4.021	0.3
47	1	0	32	222.3	157.9	0.9	0.02	0.11	0	2.39	**31.56**	**5.857**	0.513
49	1	0	32	12.8	11.3	0.9	0.02	0.11	0	1.15	2.025	0.086	0.002
60	1	0	32	59.3	43.8	0.9	0.02	0.11	0	1.43	**5.722**	0.384	0.012
61	1	0	32	137.2	98.3	0.9	0.02	0.11	0	1.9	**16.429**	1.952	0.109
22	1	0	32	118.9	85.5	0.9	0.02	0.11	0	1.79	**13.507**	1.428	0.071
25	1	0	32	54.5	40.4	0.9	0.02	0.11	0	1.4	**5.237**	0.337	0.01
27	1	0	32	135.3	97	0.9	0.02	0.11	0	1.88	**16.111**	1.891	0.105
28	1	0	32	49.2	36.8	0.9	0.02	0.11	0	1.37	4.736	0.291	0.009
29	1	0	32	42.7	32.2	0.9	0.02	0.11	0	1.33	4.149	0.24	0.007
30	1	0	32	51.6	38.4	0.9	0.02	0.11	0	1.38	4.958	0.311	0.009
31	1	0	32	255.8	181.3	0.9	0.02	0.11	0	2.59	**37.635**	**8.047**	0.815
33	1	0	32	206.4	146.8	0.9	0.02	0.11	0	2.3	**28.652**	4.943	0.402
35	1	0	32	12.8	11.3	0.9	0.02	0.11	0	1.15	2.025	0.086	0.002
35PA	1	0	32	12.8	11.3	0.9	0.02	0.11	0	1.15	2.025	0.086	0.002
39	1	0	32	12.8	11.3	0.9	0.02	0.11	0	1.15	2.025	0.086	0.002
226C	1	0	32	395.3	279	0.9	0.02	0.11	0	3.37	**59.854**	**20.122**	3.308
55	1	0	32	67.1	49.2	0.9	0.02	0.11	0	1.48	**6.56**	0.471	0.016

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
56	1	0	32	185.9	132.4	0.9	0.02	0.11	0	2.18	**24.917**	3.887	0.286
58	1	0	32	73.3	53.6	0.9	0.02	0.11	0	1.51	**7.273**	0.55	0.02
59	1	0	32	206.6	146.9	0.9	0.02	0.11	0	2.3	**28.685**	4.953	0.403
59A	1	0	32	335.3	237	0.9	0.02	0.11	0	3.04	**51.084**	**14.465**	1.972
62	1	0	32	118.1	85	0.9	0.02	0.11	0	1.78	**13.386**	1.407	0.07
62G	1	0	32	70.6	51.7	0.9	0.02	0.11	0	1.5	**6.957**	0.515	0.018
66	1	0	32	141.1	101	0.9	0.02	0.11	0	1.92	**17.071**	2.076	0.119
67	1	0	32	174.5	124.4	0.9	0.02	0.11	0	2.12	**22.858**	3.36	0.232
70	1	0	32	202.6	144.1	0.9	0.02	0.11	0	2.28	**27.957**	4.736	0.378
71	1	0	32	127	91.2	0.9	0.02	0.11	0	1.83	**14.777**	1.647	0.087
72M	1	0	32	253.9	180.1	0.9	0.02	0.11	0	2.58	**37.308**	**7.919**	0.796
72U	1	0	32	109.7	79.1	0.9	0.02	0.11	0	1.73	**12.121**	1.204	0.057
75	1	0	32	381.8	269.6	0.9	0.02	0.11	0	3.3	**58.004**	**18.811**	2.972
82	1	0	32	54.8	40.6	0.9	0.02	0.11	0	1.4	**5.269**	0.34	0.011
85	1	0	32	57.4	42.5	0.9	0.02	0.11	0	1.42	**5.529**	0.365	0.012
86	1	0	32	115.3	83	0.9	0.02	0.11	0	1.77	**12.967**	1.339	0.065
87	1	0	32	99.5	72	0.9	0.02	0.11	0	1.67	**10.659**	0.986	0.043
94M	1	0	32	73.9	54	0.9	0.02	0.11	0	1.52	**7.345**	0.558	0.02
106	1	0	32	387.2	273.4	0.9	0.02	0.11	0	3.33	**58.758**	**19.338**	3.105
107	1	0	32	169.3	120.8	0.9	0.02	0.11	0	2.09	**21.944**	3.138	0.211
108	1	0	32	185.4	132.1	0.9	0.02	0.11	0	2.18	**24.827**	3.863	0.283
109	1	0	32	12.8	11.3	0.9	0.02	0.11	0	1.15	2.025	0.086	0.002
110	1	0	32	88.5	64.3	0.9	0.02	0.11	0	1.61	**9.166**	0.781	0.032
110G	1	0	32	41.5	31.4	0.9	0.02	0.11	0	1.32	4.048	0.231	0.006
111	1	0	32	70.4	51.5	0.9	0.02	0.11	0	1.5	**6.933**	0.512	0.018
112	1	0	32	471.3	332.2	0.9	0.02	0.11	0	3.79	**69.06**	**27.782**	**5.599**
112G	1	0	32	181.5	129.4	0.9	0.02	0.11	0	2.16	**24.128**	3.68	0.264
113low	1	0	32	263	186.4	0.9	0.02	0.11	0	2.63	**38.933**	**8.567**	0.894
113up	1	0	32	398.8	281.5	0.9	0.02	0.11	0	3.39	**60.333**	**20.472**	3.401
115SP	1	0	32	493.1	347.5	0.9	0.02	0.11	0	3.91	**71.319**	**30.009**	**6.374**
21	1	0	32	104.1	75.2	0.9	0.02	0.11	0	1.7	**11.302**	1.08	0.049
21G	1	0	32	337.4	238.5	0.9	0.02	0.11	0	3.05	**51.422**	**14.659**	2.012
116M	1	0	32	347.4	245.4	0.9	0.02	0.11	0	3.11	**52.957**	**15.561**	2.208
122	1	0	32	69	50.6	0.9	0.02	0.11	0	1.49	**6.783**	0.495	0.017
121	1	0	32	148.3	106.1	0.9	0.02	0.11	0	1.96	**18.288**	2.322	0.139
123	1	0	32	336.5	237.9	0.9	0.02	0.11	0	3.05	**51.288**	**14.581**	1.996
135	1	0	32	130.2	93.5	0.9	0.02	0.11	0	1.85	**15.297**	1.74	0.093
146	1	0	32	81.4	59.3	0.9	0.02	0.11	0	1.56	**8.257**	0.667	0.026
146G	1	0	32	43.2	32.6	0.9	0.02	0.11	0	1.33	4.196	0.244	0.007
147	1	0	32	50.9	37.9	0.9	0.02	0.11	0	1.38	4.893	0.305	0.009
151	1	0	32	12.8	11.3	0.9	0.02	0.11	0	1.15	2.025	0.086	0.002
152	1	0	32	183.4	130.7	0.9	0.02	0.11	0	2.17	**24.468**	3.769	0.273
160	1	0	32	153.4	109.7	0.9	0.02	0.11	0	1.99	**19.153**	2.505	0.154
163	1	0	32	158.1	113	0.9	0.02	0.11	0	2.02	**19.974**	2.684	0.17
163G	1	0	32	222.8	158.3	0.9	0.02	0.11	0	2.4	**31.657**	**5.889**	0.517
164	1	0	32	118	84.9	0.9	0.02	0.11	0	1.78	**13.368**	1.404	0.07
167	1	0	32	71.4	52.3	0.9	0.02	0.11	0	1.5	**7.055**	0.526	0.019

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
168	1	0	32	365.9	258.4	0.9	0.02	0.11	0	3.21	**55.726**	**17.289**	2.602
169	1	0	32	262	185.7	0.9	0.02	0.11	0	2.62	**38.742**	**8.489**	0.882
169A	1	0	32	238.9	169.5	0.9	0.02	0.11	0	2.49	**34.586**	**6.899**	0.651
320new	1	0	32	555.7	391.3	0.9	0.02	0.11	0	4.24	**76.967**	**36.351**	**8.866**
216	1	0	32	310.2	219.4	0.9	0.02	0.11	0	2.9	**47.047**	**12.283**	1.535
1030	1	0	32	20.2	16.5	0.9	0.02	0.11	0	1.19	2.468	0.114	0.003
170	1	0	32	20.2	16.5	0.9	0.02	0.11	0	1.19	2.468	0.114	0.003
172U	1	0	32	294	208.1	0.9	0.02	0.11	0	2.81	**44.334**	**10.947**	1.289
174M	1	0	32	23.7	18.9	0.9	0.02	0.11	0	1.21	2.694	0.129	0.003
175	1	0	32	171.3	122.2	0.9	0.02	0.11	0	2.1	**22.292**	3.221	0.219
238G	1	0	32	47.1	35.3	0.9	0.02	0.11	0	1.36	4.543	0.274	0.008
238M	1	0	32	34.9	26.8	0.9	0.02	0.11	0	1.28	3.508	0.188	0.005
176G	1	0	32	140.1	100.4	0.9	0.02	0.11	0	1.91	**16.92**	2.047	0.117
176M	1	0	32	215.9	153.4	0.9	0.02	0.11	0	2.36	**30.386**	**5.478**	0.466
177	1	0	32	172.8	123.2	0.9	0.02	0.11	0	2.11	**22.557**	3.286	0.225
206	1	0	32	142.4	101.9	0.9	0.02	0.11	0	1.93	**17.287**	2.119	0.122
208	1	0	32	161.9	115.6	0.9	0.02	0.11	0	2.04	**20.631**	2.832	0.183
208AA	1	0	32	173.4	123.6	0.9	0.02	0.11	0	2.11	**22.659**	3.311	0.228
208BM	1	0	32	112.5	81.1	0.9	0.02	0.11	0	1.75	**12.543**	1.271	0.061
208G	1	0	32	92.1	66.7	0.9	0.02	0.11	0	1.63	**9.632**	0.843	0.035
209A	1	0	32	115.7	83.3	0.9	0.02	0.11	0	1.77	**13.022**	1.348	0.066
213	1	0	32	440.1	310.4	0.9	0.02	0.11	0	3.62	**65.535**	**24.603**	4.58
185	1	0	32	196.7	140	0.9	0.02	0.11	0	2.25	**26.869**	4.422	0.343
185G	1	0	32	71	52	0.9	0.02	0.11	0	1.5	**7.01**	0.52	0.018
186	1	0	32	242.3	171.9	0.9	0.02	0.11	0	2.51	**35.208**	**7.125**	0.682
1035	1	0	32	114.9	82.8	0.9	0.02	0.11	0	1.76	**12.908**	1.329	0.065
1036	1	0	32	76.8	56	0.9	0.02	0.11	0	1.53	**7.687**	0.598	0.022
1037	1	0	32	98.4	71.2	0.9	0.02	0.11	0	1.66	**10.505**	0.964	0.042
189	1	0	32	154.4	110.4	0.9	0.02	0.11	0	2	**19.34**	2.545	0.158
1060	1	0	32	127.8	91.8	0.9	0.02	0.11	0	1.84	**14.906**	1.67	0.088
192	1	0	32	262.5	186	0.9	0.02	0.11	0	2.63	**38.827**	**8.524**	0.888
1020	1	0	32	96.5	69.9	0.9	0.02	0.11	0	1.65	**10.239**	0.926	0.04
1021	1	0	32	12.8	11.3	0.9	0.02	0.11	0	1.15	2.025	0.086	0.002
193	1	0	32	140.2	100.4	0.9	0.02	0.11	0	1.91	**16.931**	2.049	0.117
194	1	0	32	12.8	11.3	0.9	0.02	0.11	0	1.15	2.025	0.086	0.002
218	1	0	32	12.8	11.3	9999	0.02	0.11	0	1.15	2.025	0.086	0.002
201	1	0	32	447.1	315.3	0.9	0.02	0.11	0	3.66	**66.356**	**25.313**	4.799
201G	1	0	32	12.8	11.3	0.9	0.02	0.11	0	1.15	2.025	0.086	0.002
203	1	0	32	12.8	11.3	0.9	0.02	0.11	0	1.15	2.025	0.086	0.002
229	1	0	32	48.6	36.3	0.9	0.02	0.11	0	1.36	4.677	0.286	0.008
230G	1	0	32	80.1	58.4	0.9	0.02	0.11	0	1.55	**8.09**	0.646	0.025
196	1	0	32	12.8	11.3	0.9	0.02	0.11	0	1.15	2.025	0.086	0.002
231	1	0	32	125.5	90.1	0.9	0.02	0.11	0	1.83	**14.537**	1.604	0.084
231Lower	1	0	32	138	98.9	0.9	0.02	0.11	0	1.9	**16.559**	1.977	0.111
7	1	0	32	12.8	11.3	0.9	0.02	0.11	0	1.15	2.025	0.086	0.002
154	1	0	32	66.3	48.7	0.9	0.02	0.11	0	1.47	**6.481**	0.463	0.016
246	1	0	32	29.2	22.8	0.9	0.02	0.11	0	1.25	3.077	0.156	0.004

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
18	1	0	32	12.8	11.3	0.9	0.02	0.11	0	1.15	2.025	0.086	0.002
20	1	0	32	12.8	11.3	0.9	0.02	0.11	0	1.15	2.025	0.086	0.002
249	1	0	32	85.9	62.5	0.9	0.02	0.11	0	1.59	**8.829**	0.738	0.029
250	1	0	32	92.2	66.8	0.9	0.02	0.11	0	1.63	**9.647**	0.845	0.035
253	1	0	32	110	79.3	0.9	0.02	0.11	0	1.73	**12.162**	1.211	0.057
258	1	0	32	767.7	539.7	0.9	0.02	0.11	0	5.34	**89.019**	**55.595**	**19.509**
259	1	0	32	240.7	170.8	0.9	0.02	0.11	0	2.5	**34.91**	**7.016**	0.667
284M	1	0	32	152.7	109.2	0.9	0.02	0.11	0	1.99	**19.04**	2.481	0.152
285M	1	0	32	157.6	112.7	0.9	0.02	0.11	0	2.02	**19.894**	2.666	0.168
287	1	0	32	150.2	107.4	0.9	0.02	0.11	0	1.97	**18.613**	2.39	0.145
288	1	0	32	68.2	50	0.9	0.02	0.11	0	1.48	**6.683**	0.485	0.017
288G1	1	0	32	79.7	58.1	0.9	0.02	0.11	0	1.55	**8.038**	0.64	0.024
288G2	1	0	32	59.8	44.2	0.9	0.02	0.11	0	1.43	**5.784**	0.391	0.013
289G3	1	0	32	76.3	55.7	0.9	0.02	0.11	0	1.53	**7.627**	0.591	0.022
291	1	0	32	77.6	56.6	0.9	0.02	0.11	0	1.54	**7.781**	0.609	0.023
306	1	0	32	86.1	62.6	0.9	0.02	0.11	0	1.59	**8.852**	0.741	0.029
315	1	0	32	37.7	28.7	0.9	0.02	0.11	0	1.3	3.73	0.205	0.005
316	1	0	32	105.2	75.9	0.9	0.02	0.11	0	1.7	**11.458**	1.103	0.05
317	1	0	32	227.9	161.8	0.9	0.02	0.11	0	2.43	**32.584**	**6.199**	0.557
317M	1	0	32	494.8	348.7	0.9	0.02	0.11	0	3.92	**71.492**	**30.187**	**6.438**
318	1	0	32	452.2	318.9	0.9	0.02	0.11	0	3.69	**66.946**	**25.835**	4.963
319	1	0	32	505.5	356.2	0.9	0.02	0.11	0	3.98	**72.539**	**31.281**	**6.839**
319M	1	0	32	12.8	11.3	0.9	0.02	0.11	0	1.15	2.025	0.086	0.002
420	1	0	32	517.5	364.6	0.9	0.02	0.11	0	4.04	**73.669**	**32.503**	**7.302**
421	1	0	32	318.8	225.4	0.9	0.02	0.11	0	2.95	**48.45**	**13.014**	1.676
410	1	0	32	394	278.1	0.9	0.02	0.11	0	3.37	**59.687**	**20**	3.277
412	1	0	32	12.8	11.3	0.9	0.02	0.11	0	1.15	2.025	0.086	0.002
413	1	0	32	543.1	382.5	0.9	0.02	0.11	0	4.18	**75.929**	**35.092**	**8.336**
325	1	0	32	37.8	28.8	0.9	0.02	0.11	0	1.3	3.741	0.206	0.005
326	1	0	32	71.5	52.3	0.9	0.02	0.11	0	1.5	**7.059**	0.526	0.019
327	1	0	32	50	37.3	0.9	0.02	0.11	0	1.37	4.813	0.298	0.009
999G1	1	0	32	85.9	62.4	0.9	0.02	0.11	0	1.59	**8.824**	0.737	0.029
999M1	1	0	32	79.9	58.2	0.9	0.02	0.11	0	1.55	**8.064**	0.643	0.024
999M2	1	0	32	56.1	41.6	0.9	0.02	0.11	0	1.41	**5.403**	0.353	0.011
999M3	1	0	32	83.8	61	0.9	0.02	0.11	0	1.58	**8.556**	0.703	0.027
72	1	0	32	230.4	163.6	0.9	0.02	0.11	0	2.44	**33.041**	**6.355**	0.577
1001	1	0	32	408.4	288.1	0.9	0.02	0.11	0	3.45	**61.589**	**21.414**	3.656
401	1	0	32	1102	773.4	0.9	0.02	0.11	0	6.97	**96.344**	**75.968**	**38.41**
402	1	0	32	577.5	406.6	0.9	0.02	0.11	0	4.36	**78.675**	**38.527**	**9.823**
403	1	0	32	419.6	296	0.9	0.02	0.11	0	3.51	**63.027**	**22.534**	3.969
440	1	0	32	145.2	103.9	0.9	0.02	0.11	0	1.94	**17.763**	2.215	0.13
441	1	0	32	737.9	518.8	0.9	0.02	0.11	0	5.19	**87.832**	**53.18**	**17.873**
442	1	0	32	258.8	183.4	0.9	0.02	0.11	0	2.6	**38.174**	**8.26**	0.848
1005	1	0	32	112.1	80.8	0.9	0.02	0.11	0	1.75	**12.482**	1.261	0.06
1006	1	0	32	91.7	66.5	0.9	0.02	0.11	0	1.62	**9.58**	0.836	0.035
1007	1	0	32	51.9	38.6	0.9	0.02	0.11	0	1.38	4.989	0.314	0.009
1008	1	0	32	91.5	66.3	0.9	0.02	0.11	0	1.62	**9.555**	0.833	0.034

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
1010	1	0	32	110.8	79.8	0.9	0.02	0.11	0	1.74	**12.278**	1.229	0.058
1011	1	0	32	146.2	104.7	0.9	0.02	0.11	0	1.95	**17.939**	2.251	0.133
345	1	0	32	103.9	75	0.9	0.02	0.11	0	1.7	**11.279**	1.076	0.049
346	1	0	32	130.4	93.6	0.9	0.02	0.11	0	1.86	**15.327**	1.746	0.094
347	1	0	32	312.7	221.2	0.9	0.02	0.11	0	2.91	**47.458**	**12.494**	1.575
430	1	0	32	262	185.7	0.9	0.02	0.11	0	2.62	**38.742**	**8.489**	0.882
431	1	0	32	110.3	79.5	0.9	0.02	0.11	0	1.74	**12.205**	1.217	0.057
432	1	0	32	307.5	217.5	0.9	0.02	0.11	0	2.88	**46.593**	**12.053**	1.491
801	1	0	32	239.9	170.3	0.9	0.02	0.11	0	2.5	**34.778**	**6.968**	0.66
3000	1	0	32	26.6	20.9	0.9	0.02	0.11	0	1.23	2.893	0.142	0.003
3001	1	0	32	371	262	0.9	0.02	0.11	0	3.24	**56.468**	**17.774**	2.718
3003	1	0	32	294.5	208.5	0.9	0.02	0.11	0	2.81	**44.415**	**10.985**	1.296
3004	1	0	32	81.9	59.6	0.9	0.02	0.11	0	1.57	**8.316**	0.674	0.026
280	1	0	32	367.4	259.5	0.9	0.02	0.11	0	3.22	**55.943**	**17.43**	2.635
280yard	1	0	32	302.9	214.3	0.9	0.02	0.11	0	2.86	**45.827**	**11.67**	1.42
075-A1	1	0	32	70.1	51.4	0.9	0.02	0.11	0	1.49	**6.901**	0.508	0.018
075-H1	1	0	32	81.8	59.5	0.9	0.02	0.11	0	1.56	**8.297**	0.671	0.026
075-O1	1	0	32	265	187.8	0.9	0.02	0.11	0	2.64	**39.284**	**8.711**	0.917
076-G1	1	0	32	85	61.8	0.9	0.02	0.11	0	1.58	**8.705**	0.722	0.028
076-G2	1	0	32	95.1	68.8	0.9	0.02	0.11	0	1.64	**10.041**	0.899	0.038
076-H1	1	0	32	93.4	67.7	0.9	0.02	0.11	0	1.63	**9.812**	0.868	0.036
076-H2	1	0	32	91.4	66.3	0.9	0.02	0.11	0	1.62	**9.549**	0.832	0.034
076-N1	1	0	32	157.3	112.4	0.9	0.02	0.11	0	2.01	**19.84**	2.654	0.167
077-A1	1	0	32	32.2	24.9	0.9	0.02	0.11	0	1.26	3.3	0.172	0.004
077-A2	1	0	32	31.3	24.2	0.9	0.02	0.11	0	1.26	3.231	0.167	0.004
077-G1	1	0	32	28.4	22.2	0.9	0.02	0.11	0	1.24	3.022	0.152	0.004
077-H1	1	0	32	36.3	27.7	0.9	0.02	0.11	0	1.29	3.62	0.197	0.005
077-H2	1	0	32	37.2	28.3	0.9	0.02	0.11	0	1.29	3.688	0.202	0.005
077-N1	1	0	32	34.8	26.6	0.9	0.02	0.11	0	1.28	3.494	0.187	0.005
078-G1	1	0	32	37.9	28.9	0.9	0.02	0.11	0	1.3	3.749	0.207	0.006
078-H1	1	0	32	24.6	19.5	0.9	0.02	0.11	0	1.22	2.754	0.133	0.003
078-N1	1	0	32	26.8	21.1	0.9	0.02	0.11	0	1.23	2.908	0.144	0.003
078-O1	1	0	32	32	24.7	0.9	0.02	0.11	0	1.26	3.287	0.171	0.004
079-H1	1	0	32	69.8	51.2	0.9	0.02	0.11	0	1.49	**6.872**	0.505	0.018
079-H2	1	0	32	121.7	87.5	0.9	0.02	0.11	0	1.8	**13.947**	1.502	0.076
080-H1	1	0	32	23.7	18.9	0.9	0.02	0.11	0	1.21	2.692	0.128	0.003
081-A1	1	0	32	36.3	27.7	0.9	0.02	0.11	0	1.29	3.613	0.196	0.005
081-H1	1	0	32	45.5	34.1	0.9	0.02	0.11	0	1.35	4.394	0.261	0.007
081-O1	1	0	32	126.2	90.6	0.9	0.02	0.11	0	1.83	**14.653**	1.625	0.085
082-G1	1	0	32	22.8	18.3	0.9	0.02	0.11	0	1.21	2.634	0.125	0.003
082-G2	1	0	32	41.1	31	0.9	0.02	0.11	0	1.32	4.008	0.228	0.006
082-H1	1	0	32	41.8	31.5	0.9	0.02	0.11	0	1.32	4.068	0.233	0.006
082-N1	1	0	32	35.4	27.1	0.9	0.02	0.11	0	1.28	3.547	0.191	0.005
082-N2	1	0	32	42.9	32.3	0.9	0.02	0.11	0	1.33	4.167	0.241	0.007
083-G1	1	0	32	35.4	27.1	0.9	0.02	0.11	0	1.28	3.547	0.191	0.005
083-G2	1	0	32	30.6	23.7	0.9	0.02	0.11	0	1.25	3.18	0.163	0.004
083-H1	1	0	32	44.4	33.4	0.9	0.02	0.11	0	1.34	4.297	0.252	0.007

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
084-H1	1	0	32	37.5	28.6	0.9	0.02	0.11	0	1.3	3.715	0.204	0.005
085-H1	1	0	32	60	44.3	0.9	0.02	0.11	0	1.43	**5.804**	0.393	0.013
085-O1	1	0	32	79.7	58.1	0.9	0.02	0.11	0	1.55	**8.039**	0.64	0.024
085-P1	1	0	32	157.2	112.3	0.9	0.02	0.11	0	2.01	**19.821**	2.65	0.167
086-G1	1	0	32	72.1	52.8	0.9	0.02	0.11	0	1.51	**7.137**	0.535	0.019
086-H1	1	0	32	60.8	44.9	0.9	0.02	0.11	0	1.44	**5.887**	0.401	0.013
086-H2	1	0	32	92.5	67.1	0.9	0.02	0.11	0	1.63	**9.698**	0.852	0.035
087-H1	1	0	32	51.6	38.4	0.9	0.02	0.11	0	1.38	4.963	0.312	0.009
087-O1	1	0	32	92.5	67.1	0.9	0.02	0.11	0	1.63	**9.698**	0.852	0.035
088-H1	1	0	32	184.3	131.3	0.9	0.02	0.11	0	2.17	**24.616**	3.807	0.277
088-H2	1	0	32	159	113.6	0.9	0.02	0.11	0	2.02	**20.132**	2.719	0.173
088-O1	1	0	32	136.3	97.7	0.9	0.02	0.11	0	1.89	**16.283**	1.924	0.107
089-A1	1	0	32	80.4	58.6	0.9	0.02	0.11	0	1.56	**8.133**	0.651	0.025
089-H1	1	0	32	95.1	68.8	0.9	0.02	0.11	0	1.64	**10.041**	0.899	0.038
089-O1	1	0	32	60.3	44.5	0.9	0.02	0.11	0	1.44	**5.834**	0.396	0.013
090-H1	1	0	32	95.3	69	0.9	0.02	0.11	0	1.65	**10.079**	0.904	0.038
090-O2	1	0	32	157.3	112.4	0.9	0.02	0.11	0	2.01	**19.84**	2.654	0.167
091-G1	1	0	32	81.3	59.2	0.9	0.02	0.11	0	1.56	**8.238**	0.664	0.025
091-H1	1	0	32	56	41.5	0.9	0.02	0.11	0	1.41	**5.391**	0.352	0.011
092-O1	1	0	32	180.3	128.5	0.9	0.02	0.11	0	2.15	**23.909**	3.624	0.259
092-O2	1	0	32	101.8	73.6	0.9	0.02	0.11	0	1.68	**10.978**	1.032	0.046
093-H1	1	0	32	67.9	49.8	0.9	0.02	0.11	0	1.48	**6.651**	0.481	0.017
094-H1	1	0	32	80.2	58.4	0.9	0.02	0.11	0	1.55	**8.098**	0.647	0.025
094-P1	1	0	32	77.1	56.3	0.9	0.02	0.11	0	1.54	**7.728**	0.603	0.022
095-A1	1	0	32	174.1	124.2	0.9	0.02	0.11	0	2.11	**22.803**	3.346	0.231
095-H1	1	0	32	118.6	85.3	0.9	0.02	0.11	0	1.79	**13.47**	1.421	0.071
095-O1	1	0	32	149.1	106.7	0.9	0.02	0.11	0	1.97	**18.433**	2.352	0.141
095-O2	1	0	32	177.5	126.6	0.9	0.02	0.11	0	2.13	**23.405**	3.496	0.246
096-H1	1	0	32	179.2	127.7	0.9	0.02	0.11	0	2.14	**23.707**	3.572	0.253
096-O1	1	0	32	313.4	221.7	0.9	0.02	0.11	0	2.92	**47.568**	**12.551**	1.586
097-H1	1	0	32	142.2	101.8	0.9	0.02	0.11	0	1.93	**17.259**	2.114	0.122
097-H2	1	0	32	117.8	84.8	0.9	0.02	0.11	0	1.78	**13.34**	1.4	0.069
098-G1	1	0	32	36.3	27.7	0.9	0.02	0.11	0	1.29	3.62	0.197	0.005
098-H1	1	0	32	34.4	26.4	0.9	0.02	0.11	0	1.28	3.468	0.185	0.005
098-O1	1	0	32	22.7	18.2	0.9	0.02	0.11	0	1.21	2.628	0.124	0.003
099-A1	1	0	32	56.5	41.8	0.9	0.02	0.11	0	1.41	**5.436**	0.356	0.011
099-G2	1	0	32	63.3	46.7	0.9	0.02	0.11	0	1.45	**6.155**	0.429	0.014
099-H1	1	0	32	144.4	103.4	0.9	0.02	0.11	0	1.94	**17.635**	2.189	0.128
099-O1	1	0	32	170.7	121.8	0.9	0.02	0.11	0	2.09	**22.185**	3.196	0.217
100-G1	1	0	32	46.1	34.6	0.9	0.02	0.11	0	1.35	4.45	0.266	0.008
100-H1	1	0	32	140.6	100.7	0.9	0.02	0.11	0	1.92	**16.99**	2.06	0.118
100-N1	1	0	32	88.4	64.2	0.9	0.02	0.11	0	1.6	**9.147**	0.779	0.031
100-N2	1	0	32	73.6	53.8	0.9	0.02	0.11	0	1.52	**7.307**	0.554	0.02
100-O1	1	0	32	138.4	99.2	0.9	0.02	0.11	0	1.9	**16.637**	1.992	0.112
101-G1	1	0	32	50.7	37.8	0.9	0.02	0.11	0	1.38	4.877	0.304	0.009
101-H1	1	0	32	131.5	94.4	0.9	0.02	0.11	0	1.86	**15.507**	1.779	0.096
101-O1	1	0	32	209.4	148.9	0.9	0.02	0.11	0	2.32	**29.205**	**5.11**	0.422

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
102-G1	1	0	32	56.5	41.8	0.9	0.02	0.11	0	1.41	**5.436**	0.356	0.011
102-H1	1	0	32	29.9	23.3	0.9	0.02	0.11	0	1.25	3.129	0.159	0.004
103-H1	1	0	32	118	84.9	0.9	0.02	0.11	0	1.78	**13.367**	1.404	0.07
103-O1	1	0	32	99	71.6	0.9	0.02	0.11	0	1.67	**10.584**	0.975	0.043
104-H1	1	0	32	182.1	129.8	0.9	0.02	0.11	0	2.16	**24.229**	3.706	0.267
104-H2	1	0	32	165.1	117.8	0.9	0.02	0.11	0	2.06	**21.192**	2.96	0.195
104-N1	1	0	32	149.8	107.2	0.9	0.02	0.11	0	1.97	**18.545**	2.376	0.143
105-H1	1	0	32	105.8	76.3	0.9	0.02	0.11	0	1.71	**11.544**	1.116	0.051
105-P1	1	0	32	217.3	154.4	0.9	0.02	0.11	0	2.36	**30.635**	**5.557**	0.476
106-G1	1	0	32	28.4	22.2	0.9	0.02	0.11	0	1.24	3.022	0.152	0.004
106-G2	1	0	32	28.5	22.3	0.9	0.02	0.11	0	1.24	3.027	0.152	0.004
106-H1	1	0	32	18.6	15.3	0.9	0.02	0.11	0	1.18	2.366	0.107	0.002
106-O1	1	0	32	24.9	19.7	0.9	0.02	0.11	0	1.22	2.774	0.134	0.003
107-H1	1	0	32	233.9	166	0.9	0.02	0.11	0	2.46	**33.677**	**6.576**	0.607
108-H1	1	0	32	72.8	53.2	0.9	0.02	0.11	0	1.51	**7.212**	0.543	0.019
108-O1	1	0	32	119.5	85.9	0.9	0.02	0.11	0	1.79	**13.6**	1.443	0.072
108-O2	1	0	32	53.9	40	0.9	0.02	0.11	0	1.4	**5.183**	0.332	0.01
109-H1	1	0	32	20.2	16.5	0.9	0.02	0.11	0	1.19	2.468	0.114	0.003
110-A1	1	0	32	91.7	66.5	0.9	0.02	0.11	0	1.62	**9.585**	0.837	0.035
110-G1	1	0	32	67.7	49.7	0.9	0.02	0.11	0	1.48	**6.635**	0.479	0.017
110-G2	1	0	32	30.8	23.9	0.9	0.02	0.11	0	1.26	3.193	0.164	0.004
110-H1	1	0	32	58.8	43.5	0.9	0.02	0.11	0	1.43	**5.677**	0.38	0.012
110-O1	1	0	32	46.1	34.5	0.9	0.02	0.11	0	1.35	4.447	0.265	0.008
110-O2	1	0	32	80.7	58.8	0.9	0.02	0.11	0	1.56	**8.164**	0.655	0.025
111-H1	1	0	32	41.9	31.6	0.9	0.02	0.11	0	1.32	4.082	0.234	0.006
112-G1	1	0	32	97.3	70.4	0.9	0.02	0.11	0	1.66	**10.351**	0.942	0.041
112-H1	1	0	32	85.4	62.1	0.9	0.02	0.11	0	1.59	**8.761**	0.729	0.029
112-O1	1	0	32	296.9	210.1	0.9	0.02	0.11	0	2.82	**44.819**	**11.179**	1.331
113-G1	1	0	32	171.6	122.4	0.9	0.02	0.11	0	2.1	**22.354**	3.236	0.221
113-G2	1	0	32	190.1	135.4	0.9	0.02	0.11	0	2.21	**25.683**	4.093	0.307
113-G3	1	0	32	76.3	55.7	0.9	0.02	0.11	0	1.53	**7.631**	0.591	0.022
113-O1	1	0	32	122.8	88.3	0.9	0.02	0.11	0	1.81	**14.122**	1.532	0.078
114-G1	1	0	32	292.8	207.2	0.9	0.02	0.11	0	2.8	**44.118**	**10.845**	1.271
114-H1	1	0	32	327.3	231.4	0.9	0.02	0.11	0	2.99	**49.82**	**13.756**	1.825
114-O1	1	0	32	263	186.4	0.9	0.02	0.11	0	2.63	**38.923**	**8.563**	0.894
115-O1	1	0	32	394.7	278.6	0.9	0.02	0.11	0	3.37	**59.782**	**20.069**	3.295
116-O1	1	0	32	135.7	97.3	0.9	0.02	0.11	0	1.89	**16.19**	1.906	0.106
117-O1	1	0	32	15.8	13.4	0.9	0.02	0.11	0	1.16	2.2	0.096	0.002
118-G1	1	0	32	26.3	20.7	0.9	0.02	0.11	0	1.23	2.873	0.141	0.003
118-G2	1	0	32	21.9	17.6	0.9	0.02	0.11	0	1.2	2.572	0.12	0.003
118-H1	1	0	32	21.9	17.6	0.9	0.02	0.11	0	1.2	2.573	0.12	0.003
118-N1	1	0	32	47.1	35.3	0.9	0.02	0.11	0	1.35	4.541	0.274	0.008
118-N2	1	0	32	76.2	55.7	0.9	0.02	0.11	0	1.53	**7.62**	0.59	0.022
119-P1	1	0	32	275.8	195.4	0.9	0.02	0.11	0	2.7	**41.187**	**9.517**	1.046
120-A1	1	0	32	57.4	42.5	0.9	0.02	0.11	0	1.42	**5.532**	0.366	0.012
120-G1	1	0	32	55.1	40.8	0.9	0.02	0.11	0	1.4	**5.297**	0.343	0.011
120-H1	1	0	32	58.4	43.2	0.9	0.02	0.11	0	1.42	**5.63**	0.375	0.012

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
120-O1	1	0	32	93.3	67.6	0.9	0.02	0.11	0	1.63	**9.799**	0.866	0.036
121-G1	1	0	32	31.1	24.1	0.9	0.02	0.11	0	1.26	3.218	0.166	0.004
121-H1	1	0	32	44.1	33.2	0.9	0.02	0.11	0	1.34	4.272	0.25	0.007
121-N1	1	0	32	21.6	17.4	0.9	0.02	0.11	0	1.2	2.557	0.119	0.003
121-N2	1	0	32	39.1	29.7	0.9	0.02	0.11	0	1.31	3.846	0.215	0.006
122-G1	1	0	32	65.4	48.1	0.9	0.02	0.11	0	1.47	**6.374**	0.451	0.015
122-G2	1	0	32	58.7	43.4	0.9	0.02	0.11	0	1.43	**5.668**	0.379	0.012
122-H1	1	0	32	114.4	82.4	0.9	0.02	0.11	0	1.76	**12.827**	1.316	0.064
122-H2	1	0	32	66.5	48.8	0.9	0.02	0.11	0	1.47	**6.494**	0.464	0.016
122-O1	1	0	32	167.4	119.5	0.9	0.02	0.11	0	2.07	**21.608**	3.058	0.204
122-O2	1	0	32	244.8	173.7	0.9	0.02	0.11	0	2.52	**35.663**	**7.293**	0.706
122-P1	1	0	32	320.9	226.9	0.9	0.02	0.11	0	2.96	**48.798**	**13.2**	1.713
123-G1	1	0	32	80.8	58.9	0.9	0.02	0.11	0	1.56	**8.186**	0.658	0.025
123-G2	1	0	32	93.1	67.5	0.9	0.02	0.11	0	1.63	**9.774**	0.862	0.036
123-H1	1	0	32	72.4	53	0.9	0.02	0.11	0	1.51	**7.173**	0.539	0.019
123-O1	1	0	32	101	73	0.9	0.02	0.11	0	1.68	**10.859**	1.015	0.045
123-O2	1	0	32	220.4	156.6	0.9	0.02	0.11	0	2.38	**31.218**	**5.745**	0.499
124-G1	1	0	32	28	21.9	0.9	0.02	0.11	0	1.24	2.991	0.149	0.004
124-G2	1	0	32	76.6	55.9	0.9	0.02	0.11	0	1.53	**7.668**	0.596	0.022
124-H1	1	0	32	35.1	26.9	0.9	0.02	0.11	0	1.28	3.52	0.189	0.005
124-N1	1	0	32	27.6	21.6	0.9	0.02	0.11	0	1.24	2.962	0.147	0.004
124-N2	1	0	32	8.5	8.3	0.9	0.02	0.11	0	1.12	1.795	0.072	0.001
124-O1	1	0	32	76.6	55.9	0.9	0.02	0.11	0	1.53	**7.661**	0.595	0.022
125-O1	1	0	32	70	51.3	0.9	0.02	0.11	0	1.49	**6.895**	0.508	0.018
126-A1	1	0	32	64.8	47.7	0.9	0.02	0.11	0	1.46	**6.31**	0.445	0.015
126-G1	1	0	32	49	36.6	0.9	0.02	0.11	0	1.37	4.719	0.289	0.009
126-G2	1	0	32	42.2	31.8	0.9	0.02	0.11	0	1.32	4.102	0.236	0.007
126-H1	1	0	32	22	17.7	0.9	0.02	0.11	0	1.2	2.584	0.121	0.003
126-O1	1	0	32	48.8	36.5	0.9	0.02	0.11	0	1.37	4.696	0.287	0.008
126-O2	1	0	32	25.4	20.1	0.9	0.02	0.11	0	1.22	2.809	0.137	0.003
126-O3	1	0	32	50	37.3	0.9	0.02	0.11	0	1.37	4.805	0.297	0.009
126-P1	1	0	32	28.1	22	0.9	0.02	0.11	0	1.24	2.999	0.15	0.004
127-A1	1	0	32	117.8	84.8	0.9	0.02	0.11	0	1.78	**13.34**	1.4	0.069
127-G1	1	0	32	63.2	46.5	0.9	0.02	0.11	0	1.45	**6.137**	0.427	0.014
127-G2	1	0	32	64.9	47.7	0.9	0.02	0.11	0	1.46	**6.319**	0.446	0.015
127-H1	1	0	32	96.8	70	0.9	0.02	0.11	0	1.65	**10.272**	0.931	0.04
127-H2	1	0	32	42.5	32	0.9	0.02	0.11	0	1.33	4.131	0.238	0.007
127-N1	1	0	32	118.3	85.1	0.9	0.02	0.11	0	1.78	**13.426**	1.414	0.07
128-G1	1	0	32	37	28.2	0.9	0.02	0.11	0	1.29	3.669	0.201	0.005
128-G2	1	0	32	68.6	50.3	0.9	0.02	0.11	0	1.48	**6.727**	0.489	0.017
128-G3	1	0	32	39.9	30.3	0.9	0.02	0.11	0	1.31	3.913	0.22	0.006
128-N1	1	0	32	120.3	86.5	0.9	0.02	0.11	0	1.8	**13.734**	1.466	0.074
128-O1	1	0	32	69.2	50.8	0.9	0.02	0.11	0	1.49	**6.803**	0.498	0.017
129-H1	1	0	32	297.1	210.3	0.9	0.02	0.11	0	2.82	**44.856**	**11.196**	1.334
129-H2	1	0	32	335.8	237.4	0.9	0.02	0.11	0	3.04	**51.172**	**14.515**	1.982
130-G1	1	0	32	37.3	28.4	0.9	0.02	0.11	0	1.3	3.697	0.203	0.005
130-H1	1	0	32	17.8	14.7	0.9	0.02	0.11	0	1.18	2.315	0.104	0.002

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
130-H2	1	0	32	53.1	39.5	0.9	0.02	0.11	0	1.39	**5.103**	0.325	0.01
131-H1	1	0	32	135.4	97.1	0.9	0.02	0.11	0	1.89	**16.145**	1.898	0.105
132-G1	1	0	32	18.4	15.2	0.9	0.02	0.11	0	1.18	2.355	0.106	0.002
132-G2	1	0	32	7.5	7.5	0.9	0.02	0.11	0	1.11	1.744	0.07	0.001
132-H1	1	0	32	28.6	22.3	0.9	0.02	0.11	0	1.24	3.031	0.152	0.004
132-O1	1	0	32	33.2	25.6	0.9	0.02	0.11	0	1.27	3.377	0.178	0.005
133-G1	1	0	32	156.6	111.9	0.9	0.02	0.11	0	2.01	**19.704**	2.625	0.165
133-H1	1	0	32	107.9	77.8	0.9	0.02	0.11	0	1.72	**11.859**	1.164	0.054
134-O1	1	0	32	580.4	408.6	0.9	0.02	0.11	0	4.37	**78.887**	**38.807**	**9.951**
135-G1	1	0	32	116.1	83.6	0.9	0.02	0.11	0	1.77	**13.086**	1.358	0.067
135-H1	1	0	32	169.3	120.8	0.9	0.02	0.11	0	2.09	**21.944**	3.138	0.211
135-O1	1	0	32	113.9	82.1	0.9	0.02	0.11	0	1.76	**12.756**	1.305	0.063
136-A1	1	0	32	27.3	21.4	0.9	0.02	0.11	0	1.23	2.938	0.146	0.003
136-G1	1	0	32	25	19.8	0.9	0.02	0.11	0	1.22	2.78	0.135	0.003
136-H1	1	0	32	34.3	26.4	0.9	0.02	0.11	0	1.28	3.463	0.184	0.005
136-O1	1	0	32	204.6	145.5	0.9	0.02	0.11	0	2.29	**28.314**	4.842	0.39
137-O1	1	0	32	180.6	128.7	0.9	0.02	0.11	0	2.15	**23.959**	3.637	0.26
137-O2	1	0	32	122	87.7	0.9	0.02	0.11	0	1.81	**13.99**	1.509	0.077
138-G1	1	0	32	35.5	27.1	0.9	0.02	0.11	0	1.28	3.553	0.191	0.005
138-G2	1	0	32	48.1	36	0.9	0.02	0.11	0	1.36	4.633	0.282	0.008
138-H1	1	0	32	28.5	22.3	0.9	0.02	0.11	0	1.24	3.027	0.152	0.004
138-O1	1	0	32	24.4	19.4	0.9	0.02	0.11	0	1.22	2.74	0.132	0.003
138-O2	1	0	32	45.5	34.1	0.9	0.02	0.11	0	1.35	4.394	0.261	0.007
139-G1	1	0	32	46.7	35	0.9	0.02	0.11	0	1.35	4.503	0.27	0.008
139-G2	1	0	32	39.6	30	0.9	0.02	0.11	0	1.31	3.888	0.218	0.006
139-H1	1	0	32	42.7	32.2	0.9	0.02	0.11	0	1.33	4.147	0.24	0.007
139-N1	1	0	32	45.5	34.2	0.9	0.02	0.11	0	1.35	4.397	0.261	0.007
140-G1	1	0	32	263	186.4	0.9	0.02	0.11	0	2.63	**38.933**	**8.567**	0.894
140-H1	1	0	32	20.2	16.5	0.9	0.02	0.11	0	1.19	2.468	0.114	0.003
140-O1	1	0	32	494.1	348.2	0.9	0.02	0.11	0	3.91	**71.421**	**30.114**	**6.411**
140-O2	1	0	32	20.2	16.5	0.9	0.02	0.11	0	1.19	2.468	0.114	0.003
141-A1	1	0	32	39	29.6	0.9	0.02	0.11	0	1.31	3.832	0.214	0.006
141-H1	1	0	32	68.6	50.3	0.9	0.02	0.11	0	1.49	**6.736**	0.49	0.017
141-H2	1	0	32	80.4	58.6	0.9	0.02	0.11	0	1.56	**8.133**	0.651	0.025
141-H3	1	0	32	65.1	47.9	0.9	0.02	0.11	0	1.46	**6.346**	0.449	0.015
141-N1	1	0	32	29.5	22.9	0.9	0.02	0.11	0	1.25	3.094	0.157	0.004
141-N2	1	0	32	41.7	31.5	0.9	0.02	0.11	0	1.32	4.066	0.233	0.006
141-N3	1	0	32	12.4	11	0.9	0.02	0.11	0	1.14	2.007	0.085	0.002
141-N4	1	0	32	38.4	29.1	0.9	0.02	0.11	0	1.3	3.783	0.21	0.006
141-O1	1	0	32	43.9	33	0.9	0.02	0.11	0	1.34	4.255	0.249	0.007
142-H1	1	0	32	97.6	70.6	0.9	0.02	0.11	0	1.66	**10.387**	0.947	0.041
142-O1	1	0	32	69.2	50.7	0.9	0.02	0.11	0	1.49	**6.796**	0.497	0.017
143-A1	1	0	32	52	38.7	0.9	0.02	0.11	0	1.38	4.998	0.315	0.01
143-G1	1	0	32	65.9	48.5	0.9	0.02	0.11	0	1.47	**6.435**	0.458	0.016
143-G2	1	0	32	46.9	35.1	0.9	0.02	0.11	0	1.35	4.518	0.271	0.008
143-H1	1	0	32	70.6	51.7	0.9	0.02	0.11	0	1.5	**6.959**	0.515	0.018
144-G1	1	0	32	98.6	71.3	0.9	0.02	0.11	0	1.67	**10.524**	0.966	0.042

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
144-H1	1	0	32	140.5	100.7	0.9	0.02	0.11	0	1.92	**16.978**	2.058	0.118
145-A1	1	0	32	61.4	45.3	0.9	0.02	0.11	0	1.44	**5.945**	0.407	0.013
145-H1	1	0	32	159.9	114.2	0.9	0.02	0.11	0	2.03	**20.279**	2.752	0.176
146-H1	1	0	32	1802	1264	0.9	0.02	0.11	0	10.02	**99.484**	**93.035**	**68.382**
147-G1	1	0	32	59.7	44	0.9	0.02	0.11	0	1.43	**5.763**	0.389	0.013
147-G2	1	0	32	85	61.8	0.9	0.02	0.11	0	1.58	**8.705**	0.722	0.028
147-H1	1	0	32	83.3	60.6	0.9	0.02	0.11	0	1.57	**8.491**	0.695	0.027
148-H1	1	0	32	48.3	36.1	0.9	0.02	0.11	0	1.36	4.654	0.284	0.008
148-O1	1	0	32	61.7	45.5	0.9	0.02	0.11	0	1.44	**5.975**	0.41	0.013
148-O3	1	0	32	105.2	75.9	0.9	0.02	0.11	0	1.7	**11.46**	1.103	0.05
149-A1	1	0	32	46.5	34.8	0.9	0.02	0.11	0	1.35	4.485	0.269	0.008
149-G1	1	0	32	49	36.6	0.9	0.02	0.11	0	1.37	4.711	0.289	0.008
149-G2	1	0	32	54.4	40.4	0.9	0.02	0.11	0	1.4	**5.235**	0.337	0.01
149-H1	1	0	32	73.2	53.5	0.9	0.02	0.11	0	1.51	**7.261**	0.549	0.02
149-N1	1	0	32	34.4	26.4	0.9	0.02	0.11	0	1.28	3.468	0.185	0.005
150-G1	1	0	32	43.8	32.9	0.9	0.02	0.11	0	1.33	4.24	0.247	0.007
150-H1	1	0	32	37.9	28.9	0.9	0.02	0.11	0	1.3	3.749	0.207	0.006
151-H1	1	0	32	101.2	73.2	0.9	0.02	0.11	0	1.68	**10.899**	1.02	0.045
152-G1	1	0	32	114	82.1	0.9	0.02	0.11	0	1.76	**12.763**	1.306	0.063
152-H1	1	0	32	165.7	118.3	0.9	0.02	0.11	0	2.06	**21.311**	2.988	0.197
153-G1	1	0	32	105.6	76.3	0.9	0.02	0.11	0	1.71	**11.529**	1.113	0.051
153-H1	1	0	32	282.2	199.9	0.9	0.02	0.11	0	2.74	**42.301**	**10.009**	1.127
153-O1	1	0	32	222.5	158.1	0.9	0.02	0.11	0	2.4	**31.597**	**5.869**	0.515
153-O2	1	0	32	372.5	263.1	0.9	0.02	0.11	0	3.25	**56.685**	**17.918**	2.752
153-O3	1	0	32	220.4	156.6	0.9	0.02	0.11	0	2.38	**31.22**	**5.746**	0.499
153-O5	1	0	32	304.6	215.5	0.9	0.02	0.11	0	2.87	**46.11**	**11.81**	1.446
153-O6	1	0	32	101.9	73.6	0.9	0.02	0.11	0	1.69	**10.994**	1.034	0.046
153-O7	1	0	32	361	255	0.9	0.02	0.11	0	3.18	**55.01**	**16.829**	2.494
153-P1	1	0	32	280.1	198.4	0.9	0.02	0.11	0	2.73	**41.93**	**9.843**	1.1
154-G1	1	0	32	21.4	17.3	0.9	0.02	0.11	0	1.2	2.541	0.118	0.003
154-H1	1	0	32	21.8	17.5	0.9	0.02	0.11	0	1.2	2.568	0.12	0.003
155-G1	1	0	32	139.7	100.1	0.9	0.02	0.11	0	1.91	**16.838**	2.031	0.115
155-G2	1	0	32	91.7	66.5	0.9	0.02	0.11	0	1.62	**9.585**	0.837	0.035
155-H1	1	0	32	52.4	39	0.9	0.02	0.11	0	1.39	**5.038**	0.319	0.01
155-H2	1	0	32	168.3	120.1	0.9	0.02	0.11	0	2.08	**21.756**	3.093	0.207
155-O2	1	0	32	270.9	191.9	0.9	0.02	0.11	0	2.67	**40.324**	**9.146**	0.985
156-H1	1	0	32	81.7	59.5	0.9	0.02	0.11	0	1.56	**8.29**	0.67	0.026
156-O1	1	0	32	145.8	104.4	0.9	0.02	0.11	0	1.95	**17.871**	2.237	0.132
157-G1	1	0	32	41.7	31.5	0.9	0.02	0.11	0	1.32	4.058	0.232	0.006
157-H1	1	0	32	92.5	67.1	0.9	0.02	0.11	0	1.63	**9.698**	0.852	0.035
157-H2	1	0	32	63.1	46.5	0.9	0.02	0.11	0	1.45	**6.128**	0.426	0.014
157-O1	1	0	32	67.1	49.3	0.9	0.02	0.11	0	1.48	**6.566**	0.472	0.016
158-H1	1	0	32	33.8	26	0.9	0.02	0.11	0	1.27	3.422	0.181	0.005
158-O1	1	0	32	51.2	38.1	0.9	0.02	0.11	0	1.38	4.917	0.307	0.009
159-G1	1	0	32	70.3	51.5	0.9	0.02	0.11	0	1.5	**6.929**	0.512	0.018
159-H1	1	0	32	59.6	44	0.9	0.02	0.11	0	1.43	**5.76**	0.388	0.013
159-H2	1	0	32	101	73	0.9	0.02	0.11	0	1.68	**10.859**	1.015	0.045

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
159-O1	1	0	32	44.3	33.3	0.9	0.02	0.11	0	1.34	4.285	0.251	0.007
159-O2	1	0	32	51.2	38.2	0.9	0.02	0.11	0	1.38	4.926	0.308	0.009
160-G1	1	0	32	130.4	93.6	0.9	0.02	0.11	0	1.86	**15.324**	1.745	0.094
160-H1	1	0	32	80.3	58.5	0.9	0.02	0.11	0	1.56	**8.112**	0.649	0.025
160-H2	1	0	32	75.1	54.8	0.9	0.02	0.11	0	1.52	**7.48**	0.574	0.021
161-H1	1	0	32	129.6	93	0.9	0.02	0.11	0	1.85	**15.189**	1.721	0.092
161-N1	1	0	32	100.7	72.8	0.9	0.02	0.11	0	1.68	**10.819**	1.009	0.045
162-H1	1	0	32	80.7	58.8	0.9	0.02	0.11	0	1.56	**8.172**	0.656	0.025
163-G1	1	0	32	53	39.4	0.9	0.02	0.11	0	1.39	**5.095**	0.324	0.01
163-O1	1	0	32	71	52	0.9	0.02	0.11	0	1.5	**7.008**	0.52	0.018
164-H1	1	0	32	130.1	93.4	0.9	0.02	0.11	0	1.85	**15.28**	1.737	0.093
165-H1	1	0	32	13.2	11.6	0.9	0.02	0.11	0	1.15	2.051	0.087	0.002
165-O1	1	0	32	62.6	46.2	0.9	0.02	0.11	0	1.45	**6.079**	0.421	0.014
166-O1	1	0	32	254.2	180.2	0.9	0.02	0.11	0	2.58	**37.349**	**7.935**	0.799
167-O1	1	0	32	99.3	71.8	0.9	0.02	0.11	0	1.67	**10.622**	0.981	0.043
167-O2	1	0	32	154.5	110.5	0.9	0.02	0.11	0	2	**19.355**	2.548	0.158
167-O3	1	0	32	223.8	158.9	0.9	0.02	0.11	0	2.4	**31.832**	**5.947**	0.524
167-O4	1	0	32	175.9	125.4	0.9	0.02	0.11	0	2.12	**23.115**	3.423	0.239
167-O5	1	0	32	224.2	159.2	0.9	0.02	0.11	0	2.41	**31.908**	**5.972**	0.528
167-O6	1	0	32	246.5	174.9	0.9	0.02	0.11	0	2.53	**35.967**	**7.406**	0.722
167-O7	1	0	32	397.1	280.3	0.9	0.02	0.11	0	3.38	**60.101**	**20.302**	3.356
167-O8	1	0	32	205.3	146	0.9	0.02	0.11	0	2.3	**28.444**	4.881	0.395
167-O9	1	0	32	196.9	140.1	0.9	0.02	0.11	0	2.25	**26.908**	4.433	0.344
168-G1	1	0	32	37.5	28.6	0.9	0.02	0.11	0	1.3	3.715	0.204	0.005
168-G2	1	0	32	38	28.9	0.9	0.02	0.11	0	1.3	3.756	0.207	0.006
168-H1	1	0	32	28.8	22.4	0.9	0.02	0.11	0	1.24	3.045	0.153	0.004
168-N1	1	0	32	32.7	25.2	0.9	0.02	0.11	0	1.27	3.338	0.175	0.004
168-O1	1	0	32	48.2	36	0.9	0.02	0.11	0	1.36	4.642	0.282	0.008
169-G2	1	0	32	36.5	27.9	0.9	0.02	0.11	0	1.29	3.634	0.198	0.005
169-G3	1	0	32	54.8	40.6	0.9	0.02	0.11	0	1.4	**5.269**	0.34	0.011
169-G4	1	0	32	52.3	38.9	0.9	0.02	0.11	0	1.39	**5.022**	0.317	0.01
169-H1	1	0	32	41.5	31.3	0.9	0.02	0.11	0	1.32	4.044	0.231	0.006
170-G1	1	0	32	47.3	35.4	0.9	0.02	0.11	0	1.36	4.556	0.275	0.008
170-G2	1	0	32	116.9	84.2	0.9	0.02	0.11	0	1.78	**13.211**	1.379	0.068
170-H1	1	0	32	77	56.2	0.9	0.02	0.11	0	1.54	**7.719**	0.602	0.022
171-A1	1	0	32	155.6	111.3	0.9	0.02	0.11	0	2	**19.548**	2.59	0.162
171-G1	1	0	32	240.6	170.7	0.9	0.02	0.11	0	2.5	**34.901**	**7.012**	0.666
171-H1	1	0	32	233.5	165.7	0.9	0.02	0.11	0	2.46	**33.604**	**6.55**	0.603
173-G1	1	0	32	49.2	36.8	0.9	0.02	0.11	0	1.37	4.735	0.291	0.009
173-G2	1	0	32	17	14.2	0.9	0.02	0.11	0	1.17	2.269	0.101	0.002
173-G3	1	0	32	86.7	63	0.9	0.02	0.11	0	1.59	**8.922**	0.75	0.03
173-G4	1	0	32	120.3	86.5	0.9	0.02	0.11	0	1.8	**13.73**	1.465	0.074
173-G5	1	0	32	26.1	20.6	0.9	0.02	0.11	0	1.23	2.855	0.14	0.003
173-H1	1	0	32	136.6	97.9	0.9	0.02	0.11	0	1.89	**16.328**	1.932	0.108
173-P1	1	0	32	175	124.8	0.9	0.02	0.11	0	2.12	**22.954**	3.383	0.235
174-A1	1	0	32	71.9	52.7	0.9	0.02	0.11	0	1.51	**7.114**	0.532	0.019
174-G1	1	0	32	78.9	57.5	0.9	0.02	0.11	0	1.55	**7.947**	0.629	0.024

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
174-H1	1	0	32	179.5	127.9	0.9	0.02	0.11	0	2.14	**23.758**	3.585	0.255
175-G1	1	0	32	77.2	56.4	0.9	0.02	0.11	0	1.54	**7.741**	0.604	0.022
175-G2	1	0	32	26.8	21	0.9	0.02	0.11	0	1.23	2.904	0.143	0.003
175-H1	1	0	32	75.5	55.1	0.9	0.02	0.11	0	1.53	**7.53**	0.58	0.021
176-A1	1	0	32	39.3	29.8	0.9	0.02	0.11	0	1.31	3.86	0.216	0.006
176-H1	1	0	32	50.3	37.5	0.9	0.02	0.11	0	1.37	4.837	0.3	0.009
176-H2	1	0	32	29	22.6	0.9	0.02	0.11	0	1.24	3.064	0.155	0.004
176-P1	1	0	32	39	29.6	0.9	0.02	0.11	0	1.31	3.84	0.214	0.006
178-H1	1	0	32	29.1	22.7	0.9	0.02	0.11	0	1.25	3.07	0.155	0.004
179-H1	1	0	32	82.9	60.3	0.9	0.02	0.11	0	1.57	**8.446**	0.69	0.027
180-H1	1	0	32	421.7	297.5	0.9	0.02	0.11	0	3.52	**63.294**	**22.747**	4.03
180-H2	1	0	32	20.2	16.5	0.9	0.02	0.11	0	1.19	2.468	0.114	0.003
180-O1	1	0	32	479.9	338.2	0.9	0.02	0.11	0	3.84	**69.97**	**28.661**	**5.899**
181-A1	1	0	32	106.1	76.6	0.9	0.02	0.11	0	1.71	**11.591**	1.123	0.051
181-G1	1	0	32	48.7	36.4	0.9	0.02	0.11	0	1.36	4.684	0.286	0.008
181-G2	1	0	32	112.3	80.9	0.9	0.02	0.11	0	1.75	**12.507**	1.265	0.06
181-H1	1	0	32	121.4	87.3	0.9	0.02	0.11	0	1.8	**13.899**	1.494	0.076
181-H2	1	0	32	115	82.8	0.9	0.02	0.11	0	1.76	**12.917**	1.331	0.065
181-N1	1	0	32	126.7	91	0.9	0.02	0.11	0	1.83	**14.737**	1.64	0.086
181-N2	1	0	32	138.4	99.2	0.9	0.02	0.11	0	1.9	**16.637**	1.992	0.112
181-O1	1	0	32	57.3	42.4	0.9	0.02	0.11	0	1.42	**5.521**	0.365	0.012
182-G1	1	0	32	199.4	141.9	0.9	0.02	0.11	0	2.26	**27.367**	4.565	0.359
182-G2	1	0	32	179.8	128.2	0.9	0.02	0.11	0	2.15	**23.815**	3.6	0.256
182-H1	1	0	32	138.6	99.3	0.9	0.02	0.11	0	1.9	**16.656**	1.995	0.113
182-H2	1	0	32	133.8	95.9	0.9	0.02	0.11	0	1.88	**15.87**	1.846	0.101
182-O1	1	0	32	110.2	79.4	0.9	0.02	0.11	0	1.73	**12.198**	1.216	0.057
182-O2	1	0	32	186	132.5	0.9	0.02	0.11	0	2.18	**24.928**	3.89	0.286
182-O3	1	0	32	178.6	127.3	0.9	0.02	0.11	0	2.14	**23.607**	3.547	0.251
184-H1	1	0	32	188.9	134.5	0.9	0.02	0.11	0	2.2	**25.448**	4.029	0.3
185-A1	1	0	32	33.8	26	0.9	0.02	0.11	0	1.27	3.424	0.181	0.005
185-H1	1	0	32	32.6	25.1	0.9	0.02	0.11	0	1.27	3.325	0.174	0.004
186-O1	1	0	32	350	247.3	0.9	0.02	0.11	0	3.12	**53.359**	**15.804**	2.261
187-H1	1	0	32	107.5	77.6	0.9	0.02	0.11	0	1.72	**11.799**	1.154	0.053
188-A1	1	0	32	78.2	57.1	0.9	0.02	0.11	0	1.54	**7.864**	0.619	0.023
188-G1	1	0	32	116.9	84.2	0.9	0.02	0.11	0	1.78	**13.211**	1.379	0.068
188-G2	1	0	32	122	87.7	0.9	0.02	0.11	0	1.81	**13.99**	1.509	0.077
188-G3	1	0	32	61.7	45.5	0.9	0.02	0.11	0	1.44	**5.975**	0.41	0.013
188-H1	1	0	32	39	29.6	0.9	0.02	0.11	0	1.31	3.84	0.214	0.006
188-P1	1	0	32	56.6	41.9	0.9	0.02	0.11	0	1.41	**5.453**	0.358	0.011
189-G1	1	0	32	44	33.1	0.9	0.02	0.11	0	1.34	4.262	0.249	0.007
189-H1	1	0	32	76.3	55.7	0.9	0.02	0.11	0	1.53	**7.631**	0.591	0.022
189-H2	1	0	32	103.5	74.7	0.9	0.02	0.11	0	1.69	**11.218**	1.067	0.048
189-O1	1	0	32	119.8	86.2	0.9	0.02	0.11	0	1.79	**13.652**	1.452	0.073
190-G1	1	0	32	18.3	15.1	0.9	0.02	0.11	0	1.18	2.345	0.106	0.002
190-H1	1	0	32	41.5	31.3	0.9	0.02	0.11	0	1.32	4.041	0.231	0.006
190-N1	1	0	32	26.9	21.1	0.9	0.02	0.11	0	1.23	2.914	0.144	0.003
190-N2	1	0	32	24.4	19.4	0.9	0.02	0.11	0	1.22	2.74	0.132	0.003

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
190-N3	1	0	32	21	17	0.9	0.02	0.11	0	1.2	2.514	0.117	0.003
190-O1	1	0	32	62.8	46.2	0.9	0.02	0.11	0	1.45	**6.091**	0.422	0.014
191-H1	1	0	32	211.2	150.1	0.9	0.02	0.11	0	2.33	**29.522**	**5.208**	0.433
192-A1	1	0	32	37.4	28.5	0.9	0.02	0.11	0	1.3	3.709	0.204	0.005
192-G1	1	0	32	28.4	22.2	0.9	0.02	0.11	0	1.24	3.022	0.152	0.004
192-H1	1	0	32	34	26.1	0.9	0.02	0.11	0	1.27	3.433	0.182	0.005
193-G1	1	0	32	18.6	15.3	0.9	0.02	0.11	0	1.18	2.366	0.107	0.002
193-H1	1	0	32	21.4	17.3	0.9	0.02	0.11	0	1.2	2.543	0.118	0.003
194-H1	1	0	32	27.5	21.5	0.9	0.02	0.11	0	1.24	2.951	0.147	0.004
194-N1	1	0	32	34.2	26.2	0.9	0.02	0.11	0	1.28	3.448	0.183	0.005
195-G1	1	0	32	77.8	56.8	0.9	0.02	0.11	0	1.54	**7.813**	0.613	0.023
195-G2	1	0	32	154.8	110.7	0.9	0.02	0.11	0	2	**19.403**	2.559	0.159
195-O1	1	0	32	195.5	139.1	0.9	0.02	0.11	0	2.24	**26.653**	4.361	0.336
196-A1	1	0	32	57.5	42.5	0.9	0.02	0.11	0	1.42	**5.538**	0.366	0.012
196-A2	1	0	32	68.7	50.4	0.9	0.02	0.11	0	1.49	**6.739**	0.491	0.017
196-G1	1	0	32	47.7	35.7	0.9	0.02	0.11	0	1.36	4.594	0.278	0.008
196-O1	1	0	32	69	50.6	0.9	0.02	0.11	0	1.49	**6.773**	0.494	0.017
197-H1	1	0	32	140.9	100.9	0.9	0.02	0.11	0	1.92	**17.048**	2.072	0.119
198-G1	1	0	32	78.3	57.1	0.9	0.02	0.11	0	1.54	**7.877**	0.621	0.023
198-H1	1	0	32	168.3	120.1	0.9	0.02	0.11	0	2.08	**21.756**	3.093	0.207
199-G1	1	0	32	14.7	12.6	0.9	0.02	0.11	0	1.16	2.135	0.092	0.002
199-O1	1	0	32	26.5	20.8	0.9	0.02	0.11	0	1.23	2.882	0.142	0.003
200-G1	1	0	32	29.9	23.2	0.9	0.02	0.11	0	1.25	3.125	0.159	0.004
200-H1	1	0	32	29.1	22.7	0.9	0.02	0.11	0	1.25	3.07	0.155	0.004
200-O1	1	0	32	27.7	21.7	0.9	0.02	0.11	0	1.24	2.968	0.148	0.004
201-O1	1	0	32	324.8	229.7	0.9	0.02	0.11	0	2.98	**49.425**	**13.539**	1.781
202-H1	1	0	32	173.3	123.6	0.9	0.02	0.11	0	2.11	**22.653**	3.309	0.228
202-N1	1	0	32	57.9	42.8	0.9	0.02	0.11	0	1.42	**5.581**	0.371	0.012
202-O1	1	0	32	137	98.2	0.9	0.02	0.11	0	1.89	**16.397**	1.946	0.109
203-H1	1	0	32	20.2	16.5	0.9	0.02	0.11	0	1.19	2.468	0.114	0.003
203-O1	1	0	32	20.2	16.5	0.9	0.02	0.11	0	1.19	2.468	0.114	0.003
203-O2	1	0	32	479.2	337.8	0.9	0.02	0.11	0	3.83	**69.896**	**28.589**	**5.874**
205-O1	1	0	32	507.3	357.4	0.9	0.02	0.11	0	3.98	**72.703**	**31.455**	**6.904**
206-A1	1	0	32	116.1	83.6	0.9	0.02	0.11	0	1.77	**13.083**	1.358	0.067
206-G1	1	0	32	50.4	37.6	0.9	0.02	0.11	0	1.37	4.845	0.301	0.009
206-H1	1	0	32	18	14.9	0.9	0.02	0.11	0	1.18	2.328	0.105	0.002
206-H2	1	0	32	285	201.8	0.9	0.02	0.11	0	2.75	**42.777**	**10.223**	1.164
206-O1	1	0	32	252.4	179	0.9	0.02	0.11	0	2.57	**37.03**	**7.811**	0.78
207-O1	1	0	32	110.8	79.9	0.9	0.02	0.11	0	1.74	**12.289**	1.23	0.058
208-H1	1	0	32	264.1	187.2	0.9	0.02	0.11	0	2.63	**39.121**	**8.644**	0.906
209-G1	1	0	32	238.7	169.4	0.9	0.02	0.11	0	2.49	**34.547**	**6.885**	0.649
209-H1	1	0	32	391.9	276.6	0.9	0.02	0.11	0	3.35	**59.397**	**19.792**	3.222
209-P1	1	0	32	517.6	364.6	0.9	0.02	0.11	0	4.04	**73.67**	**32.504**	**7.302**
210-H1	1	0	32	113.6	81.8	0.9	0.02	0.11	0	1.75	**12.698**	1.295	0.062
210-O1	1	0	32	127.9	91.8	0.9	0.02	0.11	0	1.84	**14.921**	1.672	0.088
211-A1	1	0	32	71.8	52.6	0.9	0.02	0.11	0	1.5	**7.104**	0.531	0.019
211-G1	1	0	32	38.6	29.3	0.9	0.02	0.11	0	1.3	3.805	0.211	0.006

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
211-G2	1	0	32	44.7	33.6	0.9	0.02	0.11	0	1.34	4.321	0.254	0.007
211-H1	1	0	32	70.7	51.8	0.9	0.02	0.11	0	1.5	**6.968**	0.516	0.018
211-O1	1	0	32	127.3	91.4	0.9	0.02	0.11	0	1.84	**14.831**	1.656	0.087
212-H1	1	0	32	188.5	134.2	0.9	0.02	0.11	0	2.2	**25.38**	4.011	0.299
212-H2	1	0	32	149.1	106.7	0.9	0.02	0.11	0	1.97	**18.434**	2.353	0.141
213-O1	1	0	32	35.5	27.1	0.9	0.02	0.11	0	1.28	3.55	0.191	0.005
213-O2	1	0	32	84.3	61.3	0.9	0.02	0.11	0	1.58	**8.624**	0.712	0.028
213-O3	1	0	32	57.5	42.5	0.9	0.02	0.11	0	1.42	**5.543**	0.367	0.012
801-O1	1	0	32	28.9	22.5	0.9	0.02	0.11	0	1.24	3.055	0.154	0.004
801-O2	1	0	32	14.9	12.8	0.9	0.02	0.11	0	1.16	2.148	0.093	0.002
801-O3	1	0	32	31.1	24.1	0.9	0.02	0.11	0	1.26	3.218	0.166	0.004
802-O1	1	0	32	150.3	107.5	0.9	0.02	0.11	0	1.97	**18.633**	2.394	0.145
803-O1	1	0	32	446.5	314.8	0.9	0.02	0.11	0	3.65	**66.28**	**25.247**	4.778
803-O2	1	0	32	314.6	222.6	0.9	0.02	0.11	0	2.92	**47.778**	**12.661**	1.607
803-O3	1	0	32	234.7	166.6	0.9	0.02	0.11	0	2.47	**33.83**	**6.63**	0.614
804-O1	1	0	32	102.1	73.8	0.9	0.02	0.11	0	1.69	**11.018**	1.038	0.046
804-O2	1	0	32	254.1	180.1	0.9	0.02	0.11	0	2.58	**37.331**	**7.928**	0.798
805-O1	1	0	32	38.2	29	0.9	0.02	0.11	0	1.3	3.77	0.209	0.006
805-O2	1	0	32	45.5	34.1	0.9	0.02	0.11	0	1.35	4.394	0.261	0.007
806-O1	1	0	32	28.4	22.1	0.9	0.02	0.11	0	1.24	3.015	0.151	0.004
806-O2	1	0	32	29.6	23	0.9	0.02	0.11	0	1.25	3.106	0.158	0.004
806-O3	1	0	32	50.7	37.8	0.9	0.02	0.11	0	1.38	4.869	0.303	0.009
806-O4	1	0	32	36.9	28.1	0.9	0.02	0.11	0	1.29	3.667	0.2	0.005
806-O5	1	0	32	37.3	28.5	0.9	0.02	0.11	0	1.3	3.701	0.203	0.005
807-O1	1	0	32	29	22.6	0.9	0.02	0.11	0	1.24	3.066	0.155	0.004
808-O1	1	0	32	33.7	25.9	0.9	0.02	0.11	0	1.27	3.416	0.181	0.005
808-O2	1	0	32	35.8	27.4	0.9	0.02	0.11	0	1.29	3.58	0.194	0.005
203-O3	1	0	32	20.2	16.5	0.9	0.02	0.11	0	1.19	2.468	0.114	0.003
203-O4	1	0	32	20.2	16.5	0.9	0.02	0.11	0	1.19	2.468	0.114	0.003

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 2/20/2020
Site Name: UCR
Operable Unit: Current Resident, Whitefish
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: RES WHI_02`20`20.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
13	1	0	32	92.4	67	0.9	0.02	0.04	0	1.62	**9.414**	0.814	0.033
14	1	0	32	77.1	56.3	0.9	0.02	0.04	0	1.52	**7.483**	0.574	0.021
15	1	0	32	93.6	67.8	0.9	0.02	0.04	0	1.62	**9.564**	0.834	0.034
16	1	0	32	356	251.5	0.9	0.02	0.04	0	3.14	**53.954**	**16.168**	2.343
17	1	0	32	150.5	107.7	0.9	0.02	0.04	0	1.96	**18.321**	2.329	0.139
9	1	0	32	91.8	66.5	0.9	0.02	0.04	0	1.61	**9.324**	0.802	0.033
40	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002
1015	1	0	32	47.6	35.6	0.9	0.02	0.04	0	1.35	4.402	0.261	0.007
1017	1	0	32	139.2	99.8	0.9	0.02	0.04	0	1.9	**16.434**	1.953	0.109
1018	1	0	32	51.9	38.6	0.9	0.02	0.04	0	1.37	4.792	0.296	0.009
42	1	0	32	229.6	163.1	0.9	0.02	0.04	0	2.42	**32.534**	**6.182**	0.555
44	1	0	32	99.7	72.1	0.9	0.02	0.04	0	1.66	**10.401**	0.949	0.041
46	1	0	32	188.7	134.4	0.9	0.02	0.04	0	2.19	**25.051**	3.923	0.289
47	1	0	32	222.3	157.9	0.9	0.02	0.04	0	2.38	**31.189**	**5.736**	0.498
49	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002
60	1	0	32	59.3	43.8	0.9	0.02	0.04	0	1.42	**5.514**	0.364	0.011
61	1	0	32	137.2	98.3	0.9	0.02	0.04	0	1.88	**16.096**	1.888	0.104
22	1	0	32	118.9	85.5	0.9	0.02	0.04	0	1.77	**13.196**	1.376	0.068
25	1	0	32	54.5	40.4	0.9	0.02	0.04	0	1.39	**5.039**	0.319	0.01
27	1	0	32	135.3	97	0.9	0.02	0.04	0	1.87	**15.78**	1.829	0.1
28	1	0	32	49.2	36.8	0.9	0.02	0.04	0	1.36	4.549	0.274	0.008
29	1	0	32	42.7	32.2	0.9	0.02	0.04	0	1.32	3.976	0.225	0.006
30	1	0	32	51.6	38.4	0.9	0.02	0.04	0	1.37	4.766	0.294	0.009
31	1	0	32	255.8	181.3	0.9	0.02	0.04	0	2.58	**37.271**	**7.904**	0.794
33	1	0	32	206.4	146.8	0.9	0.02	0.04	0	2.29	**28.281**	4.832	0.389
35	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002
35PA	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002
39	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002
226C	1	0	32	395.3	279	0.9	0.02	0.04	0	3.36	**59.58**	**19.923**	3.256
55	1	0	32	67.1	49.2	0.9	0.02	0.04	0	1.46	**6.337**	0.448	0.015
56	1	0	32	185.9	132.4	0.9	0.02	0.04	0	2.17	**24.55**	3.79	0.276

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
58	1	0	32	73.3	53.6	0.9	0.02	0.04	0	1.5	**7.038**	0.524	0.019
59	1	0	32	206.6	146.9	0.9	0.02	0.04	0	2.29	**28.314**	4.842	0.39
59A	1	0	32	335.3	237	0.9	0.02	0.04	0	3.03	**50.765**	**14.283**	1.934
62	1	0	32	118.1	85	0.9	0.02	0.04	0	1.77	**13.076**	1.356	0.066
62G	1	0	32	70.6	51.7	0.9	0.02	0.04	0	1.48	**6.727**	0.489	0.017
66	1	0	32	141.1	101	0.9	0.02	0.04	0	1.91	**16.734**	2.011	0.114
67	1	0	32	174.5	124.4	0.9	0.02	0.04	0	2.1	**22.496**	3.271	0.224
70	1	0	32	202.6	144.1	0.9	0.02	0.04	0	2.27	**27.586**	4.628	0.366
71	1	0	32	127	91.2	0.9	0.02	0.04	0	1.82	**14.456**	1.59	0.083
72M	1	0	32	253.9	180.1	0.9	0.02	0.04	0	2.56	**36.943**	**7.777**	0.776
72U	1	0	32	109.7	79.1	0.9	0.02	0.04	0	1.72	**11.823**	1.158	0.054
75	1	0	32	381.8	269.6	0.9	0.02	0.04	0	3.29	**57.719**	**18.615**	2.924
82	1	0	32	54.8	40.6	0.9	0.02	0.04	0	1.39	**5.07**	0.322	0.01
85	1	0	32	57.4	42.5	0.9	0.02	0.04	0	1.4	**5.325**	0.346	0.011
86	1	0	32	115.3	83	0.9	0.02	0.04	0	1.75	**12.661**	1.289	0.062
87	1	0	32	99.5	72	0.9	0.02	0.04	0	1.66	**10.377**	0.946	0.041
94M	1	0	32	73.9	54	0.9	0.02	0.04	0	1.5	**7.108**	0.531	0.019
106	1	0	32	387.2	273.4	0.9	0.02	0.04	0	3.32	**58.477**	**19.14**	3.055
107	1	0	32	169.3	120.8	0.9	0.02	0.04	0	2.07	**21.585**	3.053	0.203
108	1	0	32	185.4	132.1	0.9	0.02	0.04	0	2.17	**24.46**	3.767	0.273
109	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002
110	1	0	32	88.5	64.3	0.9	0.02	0.04	0	1.59	**8.902**	0.747	0.03
110G	1	0	32	41.5	31.4	0.9	0.02	0.04	0	1.31	3.878	0.217	0.006
111	1	0	32	70.4	51.5	0.9	0.02	0.04	0	1.48	**6.703**	0.487	0.017
112	1	0	32	471.3	332.2	0.9	0.02	0.04	0	3.78	**68.841**	**27.575**	**5.53**
112G	1	0	32	181.5	129.4	0.9	0.02	0.04	0	2.14	**23.763**	3.587	0.255
113low	1	0	32	263	186.4	0.9	0.02	0.04	0	2.62	**38.572**	**8.42**	0.872
113up	1	0	32	398.8	281.5	0.9	0.02	0.04	0	3.38	**60.061**	**20.273**	3.348
115SP	1	0	32	493.1	347.5	0.9	0.02	0.04	0	3.9	**71.115**	**29.802**	**6.299**
21	1	0	32	104.1	75.2	0.9	0.02	0.04	0	1.69	**11.012**	1.037	0.046
21G	1	0	32	337.4	238.5	0.9	0.02	0.04	0	3.04	**51.105**	**14.476**	1.974
116M	1	0	32	347.4	245.4	0.9	0.02	0.04	0	3.1	**52.647**	**15.375**	2.167
122	1	0	32	69	50.6	0.9	0.02	0.04	0	1.48	**6.555**	0.471	0.016
121	1	0	32	148.3	106.1	0.9	0.02	0.04	0	1.95	**17.944**	2.252	0.133
123	1	0	32	336.5	237.9	0.9	0.02	0.04	0	3.03	**50.97**	**14.4**	1.958
135	1	0	32	130.2	93.5	0.9	0.02	0.04	0	1.84	**14.972**	1.681	0.089
146	1	0	32	81.4	59.3	0.9	0.02	0.04	0	1.55	**8.006**	0.636	0.024
146G	1	0	32	43.2	32.6	0.9	0.02	0.04	0	1.32	4.022	0.229	0.006
147	1	0	32	50.9	37.9	0.9	0.02	0.04	0	1.37	4.703	0.288	0.008
151	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002
152	1	0	32	183.4	130.7	0.9	0.02	0.04	0	2.16	**24.103**	3.674	0.264
160	1	0	32	153.4	109.7	0.9	0.02	0.04	0	1.98	**18.806**	2.431	0.148
163	1	0	32	158.1	113	0.9	0.02	0.04	0	2.01	**19.622**	2.607	0.163
163G	1	0	32	222.8	158.3	0.9	0.02	0.04	0	2.39	**31.286**	**5.767**	0.502
164	1	0	32	118	84.9	0.9	0.02	0.04	0	1.77	**13.058**	1.353	0.066
167	1	0	32	71.4	52.3	0.9	0.02	0.04	0	1.49	**6.823**	0.5	0.017
168	1	0	32	365.9	258.4	0.9	0.02	0.04	0	3.2	**55.429**	**17.097**	2.557

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
169	1	0	32	262	185.7	0.9	0.02	0.04	0	2.61	**38.381**	**8.343**	0.86
169A	1	0	32	238.9	169.5	0.9	0.02	0.04	0	2.48	**34.218**	**6.767**	0.633
320new	1	0	32	555.7	391.3	0.9	0.02	0.04	0	4.23	**76.802**	**36.148**	**8.779**
216	1	0	32	310.2	219.4	0.9	0.02	0.04	0	2.89	**46.711**	**12.112**	1.503
1030	1	0	32	20.2	16.5	0.9	0.02	0.04	0	1.18	2.342	0.105	0.002
170	1	0	32	20.2	16.5	0.9	0.02	0.04	0	1.18	2.342	0.105	0.002
172U	1	0	32	294	208.1	0.9	0.02	0.04	0	2.79	**43.988**	**10.783**	1.261
174M	1	0	32	23.7	18.9	0.9	0.02	0.04	0	1.2	2.561	0.12	0.003
175	1	0	32	171.3	122.2	0.9	0.02	0.04	0	2.08	**21.932**	3.135	0.211
238G	1	0	32	47.1	35.3	0.9	0.02	0.04	0	1.34	4.361	0.258	0.007
238M	1	0	32	34.9	26.8	0.9	0.02	0.04	0	1.27	3.352	0.176	0.004
176G	1	0	32	140.1	100.4	0.9	0.02	0.04	0	1.9	**16.585**	1.982	0.112
176M	1	0	32	215.9	153.4	0.9	0.02	0.04	0	2.35	**30.014**	**5.361**	0.452
177	1	0	32	172.8	123.2	0.9	0.02	0.04	0	2.09	**22.196**	3.198	0.217
206	1	0	32	142.4	101.9	0.9	0.02	0.04	0	1.91	**16.949**	2.052	0.117
208	1	0	32	161.9	115.6	0.9	0.02	0.04	0	2.03	**20.277**	2.752	0.176
208AA	1	0	32	173.4	123.6	0.9	0.02	0.04	0	2.1	**22.298**	3.223	0.219
208BM	1	0	32	112.5	81.1	0.9	0.02	0.04	0	1.74	**12.241**	1.223	0.058
208G	1	0	32	92.1	66.7	0.9	0.02	0.04	0	1.61	**9.362**	0.807	0.033
209A	1	0	32	115.7	83.3	0.9	0.02	0.04	0	1.76	**12.715**	1.298	0.063
213	1	0	32	440.1	310.4	0.9	0.02	0.04	0	3.61	**65.294**	**24.397**	4.517
185	1	0	32	196.7	140	0.9	0.02	0.04	0	2.23	**26.5**	4.318	0.332
185G	1	0	32	71	52	0.9	0.02	0.04	0	1.49	**6.778**	0.495	0.017
186	1	0	32	242.3	171.9	0.9	0.02	0.04	0	2.5	**34.84**	**6.99**	0.663
1035	1	0	32	114.9	82.8	0.9	0.02	0.04	0	1.75	**12.602**	1.28	0.061
1036	1	0	32	76.8	56	0.9	0.02	0.04	0	1.52	**7.445**	0.57	0.021
1037	1	0	32	98.4	71.2	0.9	0.02	0.04	0	1.65	**10.224**	0.924	0.04
189	1	0	32	154.4	110.4	0.9	0.02	0.04	0	1.99	**18.991**	2.47	0.151
1060	1	0	32	127.8	91.8	0.9	0.02	0.04	0	1.83	**14.583**	1.612	0.084
192	1	0	32	262.5	186	0.9	0.02	0.04	0	2.61	**38.466**	**8.377**	0.865
1020	1	0	32	96.5	69.9	0.9	0.02	0.04	0	1.64	**9.962**	0.888	0.038
1021	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002
193	1	0	32	140.2	100.4	0.9	0.02	0.04	0	1.9	**16.595**	1.984	0.112
194	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002
218	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002
201	1	0	32	447.1	315.3	0.9	0.02	0.04	0	3.65	**66.12**	**25.107**	4.735
201G	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002
203	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002
229	1	0	32	48.6	36.3	0.9	0.02	0.04	0	1.35	4.492	0.269	0.008
230G	1	0	32	80.1	58.4	0.9	0.02	0.04	0	1.54	**7.842**	0.616	0.023
196	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002
231	1	0	32	125.5	90.1	0.9	0.02	0.04	0	1.81	**14.218**	1.549	0.08
231Lower	1	0	32	138	98.9	0.9	0.02	0.04	0	1.89	**16.225**	1.913	0.106
7	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002
154	1	0	32	66.3	48.7	0.9	0.02	0.04	0	1.46	**6.259**	0.439	0.015
246	1	0	32	29.2	22.8	0.9	0.02	0.04	0	1.23	2.932	0.145	0.003
18	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
20	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002
249	1	0	32	85.9	62.5	0.9	0.02	0.04	0	1.58	**8.57**	0.705	0.028
250	1	0	32	92.2	66.8	0.9	0.02	0.04	0	1.61	**9.377**	0.809	0.033
253	1	0	32	110	79.3	0.9	0.02	0.04	0	1.72	**11.864**	1.164	0.054
258	1	0	32	767.7	539.7	0.9	0.02	0.04	0	5.33	**88.942**	**55.433**	**19.396**
259	1	0	32	240.7	170.8	0.9	0.02	0.04	0	2.49	**34.542**	**6.883**	0.649
284M	1	0	32	152.7	109.2	0.9	0.02	0.04	0	1.98	**18.693**	2.407	0.146
285M	1	0	32	157.6	112.7	0.9	0.02	0.04	0	2	**19.543**	2.589	0.162
287	1	0	32	150.2	107.4	0.9	0.02	0.04	0	1.96	**18.268**	2.318	0.139
288	1	0	32	68.2	50	0.9	0.02	0.04	0	1.47	**6.458**	0.46	0.016
288G1	1	0	32	79.7	58.1	0.9	0.02	0.04	0	1.54	**7.79**	0.61	0.023
288G2	1	0	32	59.8	44.2	0.9	0.02	0.04	0	1.42	**5.575**	0.37	0.012
289G3	1	0	32	76.3	55.7	0.9	0.02	0.04	0	1.52	**7.386**	0.563	0.02
291	1	0	32	77.6	56.6	0.9	0.02	0.04	0	1.53	**7.537**	0.581	0.021
306	1	0	32	86.1	62.6	0.9	0.02	0.04	0	1.58	**8.593**	0.708	0.028
315	1	0	32	37.7	28.7	0.9	0.02	0.04	0	1.29	3.567	0.193	0.005
316	1	0	32	105.2	75.9	0.9	0.02	0.04	0	1.69	**11.167**	1.06	0.048
317	1	0	32	227.9	161.8	0.9	0.02	0.04	0	2.41	**32.213**	**6.074**	0.541
317M	1	0	32	494.8	348.7	0.9	0.02	0.04	0	3.91	**71.289**	**29.979**	**6.363**
318	1	0	32	452.2	318.9	0.9	0.02	0.04	0	3.68	**66.713**	**25.628**	4.898
319	1	0	32	505.5	356.2	0.9	0.02	0.04	0	3.96	**72.344**	**31.073**	**6.762**
319M	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002
420	1	0	32	517.5	364.6	0.9	0.02	0.04	0	4.03	**73.481**	**32.297**	**7.223**
421	1	0	32	318.8	225.4	0.9	0.02	0.04	0	2.93	**48.12**	**12.84**	1.642
410	1	0	32	394	278.1	0.9	0.02	0.04	0	3.36	**59.411**	**19.802**	3.225
412	1	0	32	12.8	11.3	0.9	0.02	0.04	0	1.13	1.914	0.079	0.002
413	1	0	32	543.1	382.5	0.9	0.02	0.04	0	4.17	**75.757**	**34.888**	**8.251**
325	1	0	32	37.8	28.8	0.9	0.02	0.04	0	1.29	3.578	0.193	0.005
326	1	0	32	71.5	52.3	0.9	0.02	0.04	0	1.49	**6.827**	0.5	0.017
327	1	0	32	50	37.3	0.9	0.02	0.04	0	1.36	4.624	0.281	0.008
999G1	1	0	32	85.9	62.4	0.9	0.02	0.04	0	1.58	**8.565**	0.705	0.028
999M1	1	0	32	79.9	58.2	0.9	0.02	0.04	0	1.54	**7.816**	0.613	0.023
999M2	1	0	32	56.1	41.6	0.9	0.02	0.04	0	1.4	**5.202**	0.334	0.01
999M3	1	0	32	83.8	61	0.9	0.02	0.04	0	1.56	**8.3**	0.672	0.026
72	1	0	32	230.4	163.6	0.9	0.02	0.04	0	2.43	**32.67**	**6.228**	0.561
1001	1	0	32	408.4	288.1	0.9	0.02	0.04	0	3.43	**61.325**	**21.213**	3.6
401	1	0	32	1101.5	773.4	0.9	0.02	0.04	0	6.96	**96.321**	**75.877**	**38.299**
402	1	0	32	577.5	406.6	0.9	0.02	0.04	0	4.35	**78.522**	**38.326**	**9.733**
403	1	0	32	419.6	296	0.9	0.02	0.04	0	3.5	**62.77**	**22.33**	3.911
440	1	0	32	145.2	103.9	0.9	0.02	0.04	0	1.93	**17.422**	2.146	0.125
441	1	0	32	737.9	518.8	0.9	0.02	0.04	0	5.18	**87.746**	**53.011**	**17.762**
442	1	0	32	258.8	183.4	0.9	0.02	0.04	0	2.59	**37.811**	**8.116**	0.826
1005	1	0	32	112.1	80.8	0.9	0.02	0.04	0	1.73	**12.18**	1.213	0.057
1006	1	0	32	91.7	66.5	0.9	0.02	0.04	0	1.61	**9.311**	0.8	0.033
1007	1	0	32	51.9	38.6	0.9	0.02	0.04	0	1.37	4.796	0.296	0.009
1008	1	0	32	91.5	66.3	0.9	0.02	0.04	0	1.61	**9.286**	0.797	0.032
1010	1	0	32	110.8	79.8	0.9	0.02	0.04	0	1.73	**11.979**	1.182	0.055

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
1011	1	0	32	146.2	104.7	0.9	0.02	0.04	0	1.94	**17.597**	2.181	0.127
345	1	0	32	103.9	75	0.9	0.02	0.04	0	1.69	**10.99**	1.034	0.046
346	1	0	32	130.4	93.6	0.9	0.02	0.04	0	1.84	**15.002**	1.687	0.089
347	1	0	32	312.7	221.2	0.9	0.02	0.04	0	2.9	**47.123**	**12.322**	1.542
430	1	0	32	262	185.7	0.9	0.02	0.04	0	2.61	**38.381**	**8.343**	0.86
431	1	0	32	110.3	79.5	0.9	0.02	0.04	0	1.72	**11.906**	1.171	0.054
432	1	0	32	307.5	217.5	0.9	0.02	0.04	0	2.87	**46.255**	**11.883**	1.46
801	1	0	32	239.9	170.3	0.9	0.02	0.04	0	2.48	**34.409**	**6.835**	0.642
3000	1	0	32	26.6	20.9	0.9	0.02	0.04	0	1.22	2.754	0.133	0.003
3001	1	0	32	371	262	0.9	0.02	0.04	0	3.23	**56.174**	**17.581**	2.671
3003	1	0	32	294.5	208.5	0.9	0.02	0.04	0	2.8	**44.069**	**10.822**	1.267
3004	1	0	32	81.9	59.6	0.9	0.02	0.04	0	1.55	**8.064**	0.643	0.024
280	1	0	32	367.4	259.5	0.9	0.02	0.04	0	3.21	**55.647**	**17.237**	2.59
280yard	1	0	32	302.9	214.3	0.9	0.02	0.04	0	2.84	**45.486**	**11.502**	1.39
075-A1	1	0	32	70.1	51.4	0.9	0.02	0.04	0	1.48	**6.672**	0.483	0.017
075-H1	1	0	32	81.8	59.5	0.9	0.02	0.04	0	1.55	**8.045**	0.641	0.024
075-O1	1	0	32	265	187.8	0.9	0.02	0.04	0	2.63	**38.923**	**8.563**	0.894
076-G1	1	0	32	85	61.8	0.9	0.02	0.04	0	1.57	**8.447**	0.69	0.027
076-G2	1	0	32	95.1	68.8	0.9	0.02	0.04	0	1.63	**9.766**	0.861	0.036
076-H1	1	0	32	93.4	67.7	0.9	0.02	0.04	0	1.62	**9.54**	0.831	0.034
076-H2	1	0	32	91.4	66.3	0.9	0.02	0.04	0	1.61	**9.28**	0.796	0.032
076-N1	1	0	32	157.3	112.4	0.9	0.02	0.04	0	2	**19.489**	2.578	0.161
077-A1	1	0	32	32.2	24.9	0.9	0.02	0.04	0	1.25	3.149	0.161	0.004
077-A2	1	0	32	31.3	24.2	0.9	0.02	0.04	0	1.25	3.082	0.156	0.004
077-G1	1	0	32	28.4	22.2	0.9	0.02	0.04	0	1.23	2.878	0.141	0.003
077-H1	1	0	32	36.3	27.7	0.9	0.02	0.04	0	1.28	3.46	0.184	0.005
077-H2	1	0	32	37.2	28.3	0.9	0.02	0.04	0	1.28	3.527	0.189	0.005
077-N1	1	0	32	34.8	26.6	0.9	0.02	0.04	0	1.27	3.338	0.175	0.004
078-G1	1	0	32	37.9	28.9	0.9	0.02	0.04	0	1.29	3.586	0.194	0.005
078-H1	1	0	32	24.6	19.5	0.9	0.02	0.04	0	1.21	2.619	0.124	0.003
078-N1	1	0	32	26.8	21.1	0.9	0.02	0.04	0	1.22	2.769	0.134	0.003
078-O1	1	0	32	32	24.7	0.9	0.02	0.04	0	1.25	3.136	0.16	0.004
079-H1	1	0	32	69.8	51.2	0.9	0.02	0.04	0	1.48	**6.643**	0.48	0.017
079-H2	1	0	32	121.7	87.5	0.9	0.02	0.04	0	1.79	**13.633**	1.449	0.073
080-H1	1	0	32	23.7	18.9	0.9	0.02	0.04	0	1.2	2.558	0.12	0.003
081-A1	1	0	32	36.3	27.7	0.9	0.02	0.04	0	1.28	3.454	0.184	0.005
081-H1	1	0	32	45.5	34.1	0.9	0.02	0.04	0	1.33	4.215	0.245	0.007
081-O1	1	0	32	126.2	90.6	0.9	0.02	0.04	0	1.82	**14.333**	1.568	0.081
082-G1	1	0	32	22.8	18.3	0.9	0.02	0.04	0	1.19	2.502	0.116	0.003
082-G2	1	0	32	41.1	31	0.9	0.02	0.04	0	1.31	3.839	0.214	0.006
082-H1	1	0	32	41.8	31.5	0.9	0.02	0.04	0	1.31	3.897	0.219	0.006
082-N1	1	0	32	35.4	27.1	0.9	0.02	0.04	0	1.27	3.389	0.179	0.005
082-N2	1	0	32	42.9	32.3	0.9	0.02	0.04	0	1.32	3.994	0.227	0.006
083-G1	1	0	32	35.4	27.1	0.9	0.02	0.04	0	1.27	3.389	0.179	0.005
083-G2	1	0	32	30.6	23.7	0.9	0.02	0.04	0	1.24	3.033	0.152	0.004
083-H1	1	0	32	44.4	33.4	0.9	0.02	0.04	0	1.33	4.12	0.237	0.007
084-H1	1	0	32	37.5	28.6	0.9	0.02	0.04	0	1.28	3.553	0.191	0.005

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
085-H1	1	0	32	60	44.3	0.9	0.02	0.04	0	1.42	**5.595**	0.372	0.012
085-O1	1	0	32	79.7	58.1	0.9	0.02	0.04	0	1.54	**7.792**	0.61	0.023
085-P1	1	0	32	157.2	112.3	0.9	0.02	0.04	0	2	**19.47**	2.573	0.16
086-G1	1	0	32	72.1	52.8	0.9	0.02	0.04	0	1.49	**6.903**	0.509	0.018
086-H1	1	0	32	60.8	44.9	0.9	0.02	0.04	0	1.43	**5.676**	0.38	0.012
086-H2	1	0	32	92.5	67.1	0.9	0.02	0.04	0	1.62	**9.427**	0.816	0.033
087-H1	1	0	32	51.6	38.4	0.9	0.02	0.04	0	1.37	4.771	0.294	0.009
087-O1	1	0	32	92.5	67.1	0.9	0.02	0.04	0	1.62	**9.427**	0.816	0.033
088-H1	1	0	32	184.3	131.3	0.9	0.02	0.04	0	2.16	**24.25**	3.712	0.268
088-H2	1	0	32	159	113.6	0.9	0.02	0.04	0	2.01	**19.78**	2.641	0.166
088-O1	1	0	32	136.3	97.7	0.9	0.02	0.04	0	1.88	**15.951**	1.861	0.102
089-A1	1	0	32	80.4	58.6	0.9	0.02	0.04	0	1.54	**7.884**	0.621	0.023
089-H1	1	0	32	95.1	68.8	0.9	0.02	0.04	0	1.63	**9.766**	0.861	0.036
089-O1	1	0	32	60.3	44.5	0.9	0.02	0.04	0	1.42	**5.624**	0.375	0.012
090-H1	1	0	32	95.3	69	0.9	0.02	0.04	0	1.63	**9.803**	0.866	0.036
090-O2	1	0	32	157.3	112.4	0.9	0.02	0.04	0	2	**19.489**	2.578	0.161
091-G1	1	0	32	81.3	59.2	0.9	0.02	0.04	0	1.55	**7.987**	0.634	0.024
091-H1	1	0	32	56	41.5	0.9	0.02	0.04	0	1.4	**5.19**	0.333	0.01
092-O1	1	0	32	180.3	128.5	0.9	0.02	0.04	0	2.14	**23.545**	3.531	0.249
092-O2	1	0	32	101.8	73.6	0.9	0.02	0.04	0	1.67	**10.692**	0.99	0.043
093-H1	1	0	32	67.9	49.8	0.9	0.02	0.04	0	1.47	**6.426**	0.457	0.016
094-H1	1	0	32	80.2	58.4	0.9	0.02	0.04	0	1.54	**7.849**	0.617	0.023
094-P1	1	0	32	77.1	56.3	0.9	0.02	0.04	0	1.52	**7.485**	0.574	0.021
095-A1	1	0	32	174.1	124.2	0.9	0.02	0.04	0	2.1	**22.442**	3.258	0.223
095-H1	1	0	32	118.6	85.3	0.9	0.02	0.04	0	1.77	**13.159**	1.37	0.067
095-O1	1	0	32	149.1	106.7	0.9	0.02	0.04	0	1.95	**18.088**	2.281	0.136
095-O2	1	0	32	177.5	126.6	0.9	0.02	0.04	0	2.12	**23.042**	3.405	0.237
096-H1	1	0	32	179.2	127.7	0.9	0.02	0.04	0	2.13	**23.343**	3.48	0.244
096-O1	1	0	32	313.4	221.7	0.9	0.02	0.04	0	2.9	**47.234**	**12.379**	1.553
097-H1	1	0	32	142.2	101.8	0.9	0.02	0.04	0	1.91	**16.921**	2.047	0.117
097-H2	1	0	32	117.8	84.8	0.9	0.02	0.04	0	1.77	**13.03**	1.349	0.066
098-G1	1	0	32	36.3	27.7	0.9	0.02	0.04	0	1.28	3.46	0.184	0.005
098-H1	1	0	32	34.4	26.4	0.9	0.02	0.04	0	1.27	3.312	0.173	0.004
098-O1	1	0	32	22.7	18.2	0.9	0.02	0.04	0	1.19	2.497	0.115	0.003
099-A1	1	0	32	56.5	41.8	0.9	0.02	0.04	0	1.4	**5.234**	0.337	0.01
099-G2	1	0	32	63.3	46.7	0.9	0.02	0.04	0	1.44	**5.939**	0.406	0.013
099-H1	1	0	32	144.4	103.4	0.9	0.02	0.04	0	1.93	**17.295**	2.121	0.123
099-O1	1	0	32	170.7	121.8	0.9	0.02	0.04	0	2.08	**21.826**	3.109	0.209
100-G1	1	0	32	46.1	34.6	0.9	0.02	0.04	0	1.34	4.27	0.25	0.007
100-H1	1	0	32	140.6	100.7	0.9	0.02	0.04	0	1.9	**16.654**	1.995	0.113
100-N1	1	0	32	88.4	64.2	0.9	0.02	0.04	0	1.59	**8.884**	0.745	0.03
100-N2	1	0	32	73.6	53.8	0.9	0.02	0.04	0	1.5	**7.071**	0.527	0.019
100-O1	1	0	32	138.4	99.2	0.9	0.02	0.04	0	1.89	**16.303**	1.928	0.107
101-G1	1	0	32	50.7	37.8	0.9	0.02	0.04	0	1.36	4.687	0.286	0.008
101-H1	1	0	32	131.5	94.4	0.9	0.02	0.04	0	1.85	**15.18**	1.719	0.092
101-O1	1	0	32	209.4	148.9	0.9	0.02	0.04	0	2.31	**28.834**	4.998	0.408
102-G1	1	0	32	56.5	41.8	0.9	0.02	0.04	0	1.4	**5.234**	0.337	0.01

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
102-H1	1	0	32	29.9	23.3	0.9	0.02	0.04	0	1.24	2.983	0.149	0.004
103-H1	1	0	32	118	84.9	0.9	0.02	0.04	0	1.77	**13.057**	1.353	0.066
103-O1	1	0	32	99	71.6	0.9	0.02	0.04	0	1.66	**10.302**	0.935	0.04
104-H1	1	0	32	182.1	129.8	0.9	0.02	0.04	0	2.15	**23.864**	3.612	0.257
104-H2	1	0	32	165.1	117.8	0.9	0.02	0.04	0	2.05	**20.836**	2.878	0.187
104-N1	1	0	32	149.8	107.2	0.9	0.02	0.04	0	1.96	**18.2**	2.304	0.137
105-H1	1	0	32	105.8	76.3	0.9	0.02	0.04	0	1.7	**11.252**	1.072	0.048
105-P1	1	0	32	217.3	154.4	0.9	0.02	0.04	0	2.35	**30.263**	**5.439**	0.461
106-G1	1	0	32	28.4	22.2	0.9	0.02	0.04	0	1.23	2.878	0.141	0.003
106-G2	1	0	32	28.5	22.3	0.9	0.02	0.04	0	1.23	2.884	0.142	0.003
106-H1	1	0	32	18.6	15.3	0.9	0.02	0.04	0	1.17	2.243	0.099	0.002
106-O1	1	0	32	24.9	19.7	0.9	0.02	0.04	0	1.21	2.639	0.125	0.003
107-H1	1	0	32	233.9	166	0.9	0.02	0.04	0	2.45	**33.307**	**6.447**	0.59
108-H1	1	0	32	72.8	53.2	0.9	0.02	0.04	0	1.5	**6.977**	0.517	0.018
108-O1	1	0	32	119.5	85.9	0.9	0.02	0.04	0	1.78	**13.288**	1.391	0.069
108-O2	1	0	32	53.9	40	0.9	0.02	0.04	0	1.38	4.986	0.314	0.009
109-H1	1	0	32	20.2	16.5	0.9	0.02	0.04	0	1.18	2.342	0.105	0.002
110-A1	1	0	32	91.7	66.5	0.9	0.02	0.04	0	1.61	**9.316**	0.801	0.033
110-G1	1	0	32	67.7	49.7	0.9	0.02	0.04	0	1.47	**6.41**	0.455	0.015
110-G2	1	0	32	30.8	23.9	0.9	0.02	0.04	0	1.24	3.045	0.153	0.004
110-H1	1	0	32	58.8	43.5	0.9	0.02	0.04	0	1.41	**5.47**	0.36	0.011
110-O1	1	0	32	46.1	34.5	0.9	0.02	0.04	0	1.34	4.267	0.25	0.007
110-O2	1	0	32	80.7	58.8	0.9	0.02	0.04	0	1.55	**7.915**	0.625	0.023
111-H1	1	0	32	41.9	31.6	0.9	0.02	0.04	0	1.31	3.911	0.22	0.006
112-G1	1	0	32	97.3	70.4	0.9	0.02	0.04	0	1.65	**10.073**	0.903	0.038
112-H1	1	0	32	85.4	62.1	0.9	0.02	0.04	0	1.57	**8.503**	0.697	0.027
112-O1	1	0	32	296.9	210.1	0.9	0.02	0.04	0	2.81	**44.475**	**11.014**	1.301
113-G1	1	0	32	171.6	122.4	0.9	0.02	0.04	0	2.09	**21.993**	3.149	0.212
113-G2	1	0	32	190.1	135.4	0.9	0.02	0.04	0	2.2	**25.316**	3.993	0.297
113-G3	1	0	32	76.3	55.7	0.9	0.02	0.04	0	1.52	**7.389**	0.563	0.02
113-O1	1	0	32	122.8	88.3	0.9	0.02	0.04	0	1.8	**13.806**	1.478	0.075
114-G1	1	0	32	292.8	207.2	0.9	0.02	0.04	0	2.79	**43.772**	**10.682**	1.243
114-H1	1	0	32	327.3	231.4	0.9	0.02	0.04	0	2.98	**49.495**	**13.577**	1.789
114-O1	1	0	32	263	186.4	0.9	0.02	0.04	0	2.62	**38.562**	**8.416**	0.871
115-O1	1	0	32	394.7	278.6	0.9	0.02	0.04	0	3.36	**59.507**	**19.871**	3.243
116-O1	1	0	32	135.7	97.3	0.9	0.02	0.04	0	1.87	**15.859**	1.844	0.101
117-O1	1	0	32	15.8	13.4	0.9	0.02	0.04	0	1.15	2.083	0.089	0.002
118-G1	1	0	32	26.3	20.7	0.9	0.02	0.04	0	1.22	2.734	0.131	0.003
118-G2	1	0	32	21.9	17.6	0.9	0.02	0.04	0	1.19	2.442	0.112	0.002
118-H1	1	0	32	21.9	17.6	0.9	0.02	0.04	0	1.19	2.444	0.112	0.002
118-N1	1	0	32	47.1	35.3	0.9	0.02	0.04	0	1.34	4.358	0.258	0.007
118-N2	1	0	32	76.2	55.7	0.9	0.02	0.04	0	1.52	**7.379**	0.562	0.02
119-P1	1	0	32	275.8	195.4	0.9	0.02	0.04	0	2.69	**40.832**	**9.363**	1.02
120-A1	1	0	32	57.4	42.5	0.9	0.02	0.04	0	1.41	**5.328**	0.346	0.011
120-G1	1	0	32	55.1	40.8	0.9	0.02	0.04	0	1.39	**5.098**	0.324	0.01
120-H1	1	0	32	58.4	43.2	0.9	0.02	0.04	0	1.41	**5.424**	0.355	0.011
120-O1	1	0	32	93.3	67.6	0.9	0.02	0.04	0	1.62	**9.527**	0.829	0.034

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
121-G1	1	0	32	31.1	24.1	0.9	0.02	0.04	0	1.25	3.069	0.155	0.004
121-H1	1	0	32	44.1	33.2	0.9	0.02	0.04	0	1.32	4.096	0.235	0.007
121-N1	1	0	32	21.6	17.4	0.9	0.02	0.04	0	1.19	2.428	0.111	0.002
121-N2	1	0	32	39.1	29.7	0.9	0.02	0.04	0	1.29	3.68	0.201	0.005
122-G1	1	0	32	65.4	48.1	0.9	0.02	0.04	0	1.45	**6.154**	0.428	0.014
122-G2	1	0	32	58.7	43.4	0.9	0.02	0.04	0	1.41	**5.461**	0.359	0.011
122-H1	1	0	32	114.4	82.4	0.9	0.02	0.04	0	1.75	**12.523**	1.267	0.061
122-H2	1	0	32	66.5	48.8	0.9	0.02	0.04	0	1.46	**6.272**	0.441	0.015
122-O1	1	0	32	167.4	119.5	0.9	0.02	0.04	0	2.06	**21.25**	2.974	0.196
122-O2	1	0	32	244.8	173.7	0.9	0.02	0.04	0	2.51	**35.296**	**7.157**	0.687
122-P1	1	0	32	320.9	226.9	0.9	0.02	0.04	0	2.95	**48.469**	**13.024**	1.678
123-G1	1	0	32	80.8	58.9	0.9	0.02	0.04	0	1.55	**7.936**	0.628	0.024
123-G2	1	0	32	93.1	67.5	0.9	0.02	0.04	0	1.62	**9.502**	0.826	0.034
123-H1	1	0	32	72.4	53	0.9	0.02	0.04	0	1.5	**6.939**	0.513	0.018
123-O1	1	0	32	101	73	0.9	0.02	0.04	0	1.67	**10.574**	0.974	0.042
123-O2	1	0	32	220.4	156.6	0.9	0.02	0.04	0	2.37	**30.846**	**5.625**	0.484
124-G1	1	0	32	28	21.9	0.9	0.02	0.04	0	1.23	2.849	0.139	0.003
124-G2	1	0	32	76.6	55.9	0.9	0.02	0.04	0	1.52	**7.426**	0.568	0.021
124-H1	1	0	32	35.1	26.9	0.9	0.02	0.04	0	1.27	3.363	0.177	0.004
124-N1	1	0	32	27.6	21.6	0.9	0.02	0.04	0	1.22	2.82	0.137	0.003
124-N2	1	0	32	8.5	8.3	0.9	0.02	0.04	0	1.11	1.693	0.067	0.001
124-O1	1	0	32	76.6	55.9	0.9	0.02	0.04	0	1.52	**7.419**	0.567	0.021
125-O1	1	0	32	70	51.3	0.9	0.02	0.04	0	1.48	**6.666**	0.483	0.017
126-A1	1	0	32	64.8	47.7	0.9	0.02	0.04	0	1.45	**6.091**	0.422	0.014
126-G1	1	0	32	49	36.6	0.9	0.02	0.04	0	1.35	4.532	0.273	0.008
126-G2	1	0	32	42.2	31.8	0.9	0.02	0.04	0	1.31	3.93	0.222	0.006
126-H1	1	0	32	22	17.7	0.9	0.02	0.04	0	1.19	2.454	0.113	0.003
126-O1	1	0	32	48.8	36.5	0.9	0.02	0.04	0	1.35	4.51	0.271	0.008
126-O2	1	0	32	25.4	20.1	0.9	0.02	0.04	0	1.21	2.673	0.127	0.003
126-O3	1	0	32	50	37.3	0.9	0.02	0.04	0	1.36	4.617	0.28	0.008
126-P1	1	0	32	28.1	22	0.9	0.02	0.04	0	1.23	2.857	0.14	0.003
127-A1	1	0	32	117.8	84.8	0.9	0.02	0.04	0	1.77	**13.03**	1.349	0.066
127-G1	1	0	32	63.2	46.5	0.9	0.02	0.04	0	1.44	**5.921**	0.404	0.013
127-G2	1	0	32	64.9	47.7	0.9	0.02	0.04	0	1.45	**6.1**	0.423	0.014
127-H1	1	0	32	96.8	70	0.9	0.02	0.04	0	1.64	**9.994**	0.892	0.038
127-H2	1	0	32	42.5	32	0.9	0.02	0.04	0	1.31	3.958	0.224	0.006
127-N1	1	0	32	118.3	85.1	0.9	0.02	0.04	0	1.77	**13.116**	1.363	0.067
128-G1	1	0	32	37	28.2	0.9	0.02	0.04	0	1.28	3.508	0.188	0.005
128-G2	1	0	32	68.6	50.3	0.9	0.02	0.04	0	1.47	**6.501**	0.465	0.016
128-G3	1	0	32	39.9	30.3	0.9	0.02	0.04	0	1.3	3.746	0.207	0.005
128-N1	1	0	32	120.3	86.5	0.9	0.02	0.04	0	1.78	**13.421**	1.413	0.07
128-O1	1	0	32	69.2	50.8	0.9	0.02	0.04	0	1.48	**6.575**	0.473	0.016
129-H1	1	0	32	297.1	210.3	0.9	0.02	0.04	0	2.81	**44.512**	**11.031**	1.305
129-H2	1	0	32	335.8	237.4	0.9	0.02	0.04	0	3.03	**50.853**	**14.333**	1.944
130-G1	1	0	32	37.3	28.4	0.9	0.02	0.04	0	1.28	3.535	0.19	0.005
130-H1	1	0	32	17.8	14.7	0.9	0.02	0.04	0	1.16	2.194	0.096	0.002
130-H2	1	0	32	53.1	39.5	0.9	0.02	0.04	0	1.38	4.908	0.307	0.009

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
131-H1	1	0	32	135.4	97.1	0.9	0.02	0.04	0	1.87	**15.814**	1.835	0.1
132-G1	1	0	32	18.4	15.2	0.9	0.02	0.04	0	1.17	2.233	0.099	0.002
132-G2	1	0	32	7.5	7.5	0.9	0.02	0.04	0	1.1	1.643	0.064	0.001
132-H1	1	0	32	28.6	22.3	0.9	0.02	0.04	0	1.23	2.888	0.142	0.003
132-O1	1	0	32	33.2	25.6	0.9	0.02	0.04	0	1.26	3.223	0.166	0.004
133-G1	1	0	32	156.6	111.9	0.9	0.02	0.04	0	2	**19.354**	2.548	0.158
133-H1	1	0	32	107.9	77.8	0.9	0.02	0.04	0	1.71	**11.564**	1.119	0.051
134-O1	1	0	32	580.4	408.6	0.9	0.02	0.04	0	4.36	**78.735**	**38.607**	**9.86**
135-G1	1	0	32	116.1	83.6	0.9	0.02	0.04	0	1.76	**12.779**	1.308	0.063
135-H1	1	0	32	169.3	120.8	0.9	0.02	0.04	0	2.07	**21.585**	3.053	0.203
135-O1	1	0	32	113.9	82.1	0.9	0.02	0.04	0	1.75	**12.452**	1.256	0.06
136-A1	1	0	32	27.3	21.4	0.9	0.02	0.04	0	1.22	2.797	0.136	0.003
136-G1	1	0	32	25	19.8	0.9	0.02	0.04	0	1.21	2.644	0.125	0.003
136-H1	1	0	32	34.3	26.4	0.9	0.02	0.04	0	1.26	3.308	0.173	0.004
136-O1	1	0	32	204.6	145.5	0.9	0.02	0.04	0	2.28	**27.943**	4.732	0.378
137-O1	1	0	32	180.6	128.7	0.9	0.02	0.04	0	2.14	**23.594**	3.544	0.251
137-O2	1	0	32	122	87.7	0.9	0.02	0.04	0	1.79	**13.675**	1.456	0.073
138-G1	1	0	32	35.5	27.1	0.9	0.02	0.04	0	1.27	3.395	0.179	0.005
138-G2	1	0	32	48.1	36	0.9	0.02	0.04	0	1.35	4.449	0.265	0.008
138-H1	1	0	32	28.5	22.3	0.9	0.02	0.04	0	1.23	2.884	0.142	0.003
138-O1	1	0	32	24.4	19.4	0.9	0.02	0.04	0	1.2	2.606	0.123	0.003
138-O2	1	0	32	45.5	34.1	0.9	0.02	0.04	0	1.33	4.215	0.245	0.007
139-G1	1	0	32	46.7	35	0.9	0.02	0.04	0	1.34	4.321	0.254	0.007
139-G2	1	0	32	39.6	30	0.9	0.02	0.04	0	1.3	3.722	0.205	0.005
139-H1	1	0	32	42.7	32.2	0.9	0.02	0.04	0	1.32	3.974	0.225	0.006
139-N1	1	0	32	45.5	34.2	0.9	0.02	0.04	0	1.33	4.218	0.246	0.007
140-G1	1	0	32	263	186.4	0.9	0.02	0.04	0	2.62	**38.572**	**8.42**	0.872
140-H1	1	0	32	20.2	16.5	0.9	0.02	0.04	0	1.18	2.342	0.105	0.002
140-O1	1	0	32	494.1	348.2	0.9	0.02	0.04	0	3.9	**71.218**	**29.906**	**6.337**
140-O2	1	0	32	20.2	16.5	0.9	0.02	0.04	0	1.18	2.342	0.105	0.002
141-A1	1	0	32	39	29.6	0.9	0.02	0.04	0	1.29	3.667	0.2	0.005
141-H1	1	0	32	68.6	50.3	0.9	0.02	0.04	0	1.47	**6.509**	0.466	0.016
141-H2	1	0	32	80.4	58.6	0.9	0.02	0.04	0	1.54	**7.884**	0.621	0.023
141-H3	1	0	32	65.1	47.9	0.9	0.02	0.04	0	1.45	**6.127**	0.426	0.014
141-N1	1	0	32	29.5	22.9	0.9	0.02	0.04	0	1.24	2.949	0.146	0.004
141-N2	1	0	32	41.7	31.5	0.9	0.02	0.04	0	1.31	3.894	0.219	0.006
141-N3	1	0	32	12.4	11	0.9	0.02	0.04	0	1.13	1.896	0.078	0.002
141-N4	1	0	32	38.4	29.1	0.9	0.02	0.04	0	1.29	3.619	0.197	0.005
141-O1	1	0	32	43.9	33	0.9	0.02	0.04	0	1.32	4.079	0.234	0.006
142-H1	1	0	32	97.6	70.6	0.9	0.02	0.04	0	1.65	**10.108**	0.908	0.039
142-O1	1	0	32	69.2	50.7	0.9	0.02	0.04	0	1.48	**6.569**	0.472	0.016
143-A1	1	0	32	52	38.7	0.9	0.02	0.04	0	1.37	4.805	0.297	0.009
143-G1	1	0	32	65.9	48.5	0.9	0.02	0.04	0	1.46	**6.214**	0.435	0.015
143-G2	1	0	32	46.9	35.1	0.9	0.02	0.04	0	1.34	4.336	0.256	0.007
143-H1	1	0	32	70.6	51.7	0.9	0.02	0.04	0	1.48	**6.729**	0.489	0.017
144-G1	1	0	32	98.6	71.3	0.9	0.02	0.04	0	1.65	**10.243**	0.927	0.04
144-H1	1	0	32	140.5	100.7	0.9	0.02	0.04	0	1.9	**16.642**	1.993	0.112

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
145-A1	1	0	32	61.4	45.3	0.9	0.02	0.04	0	1.43	**5.733**	0.386	0.012
145-H1	1	0	32	159.9	114.2	0.9	0.02	0.04	0	2.02	**19.926**	2.673	0.169
146-H1	1	0	32	1802.4	1264	0.9	0.02	0.04	0	10.01	**99.482**	**93.011**	**68.319**
147-G1	1	0	32	59.7	44	0.9	0.02	0.04	0	1.42	**5.555**	0.368	0.012
147-G2	1	0	32	85	61.8	0.9	0.02	0.04	0	1.57	**8.447**	0.69	0.027
147-H1	1	0	32	83.3	60.6	0.9	0.02	0.04	0	1.56	**8.236**	0.664	0.025
148-H1	1	0	32	48.3	36.1	0.9	0.02	0.04	0	1.35	4.469	0.267	0.008
148-O1	1	0	32	61.7	45.5	0.9	0.02	0.04	0	1.43	**5.763**	0.389	0.013
148-O3	1	0	32	105.2	75.9	0.9	0.02	0.04	0	1.69	**11.168**	1.06	0.048
149-A1	1	0	32	46.5	34.8	0.9	0.02	0.04	0	1.34	4.304	0.253	0.007
149-G1	1	0	32	49	36.6	0.9	0.02	0.04	0	1.35	4.525	0.272	0.008
149-G2	1	0	32	54.4	40.4	0.9	0.02	0.04	0	1.39	**5.037**	0.318	0.01
149-H1	1	0	32	73.2	53.5	0.9	0.02	0.04	0	1.5	**7.026**	0.522	0.018
149-N1	1	0	32	34.4	26.4	0.9	0.02	0.04	0	1.27	3.312	0.173	0.004
150-G1	1	0	32	43.8	32.9	0.9	0.02	0.04	0	1.32	4.065	0.233	0.006
150-H1	1	0	32	37.9	28.9	0.9	0.02	0.04	0	1.29	3.586	0.194	0.005
151-H1	1	0	32	101.2	73.2	0.9	0.02	0.04	0	1.67	**10.614**	0.979	0.043
152-G1	1	0	32	114	82.1	0.9	0.02	0.04	0	1.75	**12.458**	1.257	0.06
152-H1	1	0	32	165.7	118.3	0.9	0.02	0.04	0	2.05	**20.954**	2.906	0.19
153-G1	1	0	32	105.6	76.3	0.9	0.02	0.04	0	1.7	**11.237**	1.07	0.048
153-H1	1	0	32	282.2	199.9	0.9	0.02	0.04	0	2.73	**41.949**	**9.852**	1.101
153-O1	1	0	32	222.5	158.1	0.9	0.02	0.04	0	2.38	**31.225**	**5.748**	0.499
153-O2	1	0	32	372.5	263.1	0.9	0.02	0.04	0	3.24	**56.393**	**17.725**	2.706
153-O3	1	0	32	220.4	156.6	0.9	0.02	0.04	0	2.37	**30.848**	**5.626**	0.484
153-O5	1	0	32	304.6	215.5	0.9	0.02	0.04	0	2.85	**45.77**	**11.642**	1.415
153-O6	1	0	32	101.9	73.6	0.9	0.02	0.04	0	1.67	**10.708**	0.993	0.044
153-O7	1	0	32	361	255	0.9	0.02	0.04	0	3.17	**54.71**	**16.639**	2.45
153-P1	1	0	32	280.1	198.4	0.9	0.02	0.04	0	2.71	**41.577**	**9.687**	1.074
154-G1	1	0	32	21.4	17.3	0.9	0.02	0.04	0	1.19	2.412	0.11	0.002
154-H1	1	0	32	21.8	17.5	0.9	0.02	0.04	0	1.19	2.438	0.112	0.002
155-G1	1	0	32	139.7	100.1	0.9	0.02	0.04	0	1.9	**16.503**	1.966	0.11
155-G2	1	0	32	91.7	66.5	0.9	0.02	0.04	0	1.61	**9.316**	0.801	0.033
155-H1	1	0	32	52.4	39	0.9	0.02	0.04	0	1.37	4.844	0.301	0.009
155-H2	1	0	32	168.3	120.1	0.9	0.02	0.04	0	2.07	**21.397**	3.008	0.199
155-O2	1	0	32	270.9	191.9	0.9	0.02	0.04	0	2.66	**39.966**	**8.995**	0.961
156-H1	1	0	32	81.7	59.5	0.9	0.02	0.04	0	1.55	**8.038**	0.64	0.024
156-O1	1	0	32	145.8	104.4	0.9	0.02	0.04	0	1.93	**17.53**	2.168	0.126
157-G1	1	0	32	41.7	31.5	0.9	0.02	0.04	0	1.31	3.887	0.218	0.006
157-H1	1	0	32	92.5	67.1	0.9	0.02	0.04	0	1.62	**9.427**	0.816	0.033
157-H2	1	0	32	63.1	46.5	0.9	0.02	0.04	0	1.44	**5.912**	0.404	0.013
157-O1	1	0	32	67.1	49.3	0.9	0.02	0.04	0	1.46	**6.343**	0.448	0.015
158-H1	1	0	32	33.8	26	0.9	0.02	0.04	0	1.26	3.267	0.17	0.004
158-O1	1	0	32	51.2	38.1	0.9	0.02	0.04	0	1.37	4.726	0.29	0.009
159-G1	1	0	32	70.3	51.5	0.9	0.02	0.04	0	1.48	**6.699**	0.486	0.017
159-H1	1	0	32	59.6	44	0.9	0.02	0.04	0	1.42	**5.552**	0.368	0.012
159-H2	1	0	32	101	73	0.9	0.02	0.04	0	1.67	**10.574**	0.974	0.042
159-O1	1	0	32	44.3	33.3	0.9	0.02	0.04	0	1.33	4.108	0.236	0.007

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
159-O2	1	0	32	51.2	38.2	0.9	0.02	0.04	0	1.37	4.734	0.291	0.009
160-G1	1	0	32	130.4	93.6	0.9	0.02	0.04	0	1.84	**14.999**	1.686	0.089
160-H1	1	0	32	80.3	58.5	0.9	0.02	0.04	0	1.54	**7.863**	0.619	0.023
160-H2	1	0	32	75.1	54.8	0.9	0.02	0.04	0	1.51	**7.241**	0.546	0.02
161-H1	1	0	32	129.6	93	0.9	0.02	0.04	0	1.84	**14.865**	1.662	0.088
161-N1	1	0	32	100.7	72.8	0.9	0.02	0.04	0	1.67	**10.535**	0.968	0.042
162-H1	1	0	32	80.7	58.8	0.9	0.02	0.04	0	1.55	**7.922**	0.626	0.024
163-G1	1	0	32	53	39.4	0.9	0.02	0.04	0	1.38	4.9	0.306	0.009
163-O1	1	0	32	71	52	0.9	0.02	0.04	0	1.49	**6.776**	0.495	0.017
164-H1	1	0	32	130.1	93.4	0.9	0.02	0.04	0	1.84	**14.955**	1.678	0.089
165-H1	1	0	32	13.2	11.6	0.9	0.02	0.04	0	1.14	1.939	0.081	0.002
165-O1	1	0	32	62.6	46.2	0.9	0.02	0.04	0	1.44	**5.864**	0.399	0.013
166-O1	1	0	32	254.2	180.2	0.9	0.02	0.04	0	2.57	**36.984**	**7.793**	0.778
167-O1	1	0	32	99.3	71.8	0.9	0.02	0.04	0	1.66	**10.34**	0.941	0.041
167-O2	1	0	32	154.5	110.5	0.9	0.02	0.04	0	1.99	**19.006**	2.473	0.152
167-O3	1	0	32	223.8	158.9	0.9	0.02	0.04	0	2.39	**31.461**	**5.825**	0.509
167-O4	1	0	32	175.9	125.4	0.9	0.02	0.04	0	2.11	**22.753**	3.334	0.23
167-O5	1	0	32	224.2	159.2	0.9	0.02	0.04	0	2.39	**31.536**	**5.849**	0.512
167-O6	1	0	32	246.5	174.9	0.9	0.02	0.04	0	2.52	**35.6**	**7.269**	0.702
167-O7	1	0	32	397.1	280.3	0.9	0.02	0.04	0	3.37	**59.827**	**20.102**	3.303
167-O8	1	0	32	205.3	146	0.9	0.02	0.04	0	2.28	**28.073**	4.771	0.382
167-O9	1	0	32	196.9	140.1	0.9	0.02	0.04	0	2.23	**26.538**	4.329	0.333
168-G1	1	0	32	37.5	28.6	0.9	0.02	0.04	0	1.28	3.553	0.191	0.005
168-G2	1	0	32	38	28.9	0.9	0.02	0.04	0	1.29	3.593	0.195	0.005
168-H1	1	0	32	28.8	22.4	0.9	0.02	0.04	0	1.23	2.901	0.143	0.003
168-N1	1	0	32	32.7	25.2	0.9	0.02	0.04	0	1.26	3.186	0.164	0.004
168-O1	1	0	32	48.2	36	0.9	0.02	0.04	0	1.35	4.457	0.266	0.008
169-G2	1	0	32	36.5	27.9	0.9	0.02	0.04	0	1.28	3.474	0.185	0.005
169-G3	1	0	32	54.8	40.6	0.9	0.02	0.04	0	1.39	**5.07**	0.322	0.01
169-G4	1	0	32	52.3	38.9	0.9	0.02	0.04	0	1.37	4.829	0.299	0.009
169-H1	1	0	32	41.5	31.3	0.9	0.02	0.04	0	1.31	3.873	0.217	0.006
170-G1	1	0	32	47.3	35.4	0.9	0.02	0.04	0	1.34	4.373	0.259	0.007
170-G2	1	0	32	116.9	84.2	0.9	0.02	0.04	0	1.76	**12.903**	1.328	0.065
170-H1	1	0	32	77	56.2	0.9	0.02	0.04	0	1.52	**7.476**	0.573	0.021
171-A1	1	0	32	155.6	111.3	0.9	0.02	0.04	0	1.99	**19.198**	2.515	0.155
171-G1	1	0	32	240.6	170.7	0.9	0.02	0.04	0	2.49	**34.532**	**6.879**	0.648
171-H1	1	0	32	233.5	165.7	0.9	0.02	0.04	0	2.45	**33.234**	**6.422**	0.586
173-G1	1	0	32	49.2	36.8	0.9	0.02	0.04	0	1.36	4.548	0.274	0.008
173-G2	1	0	32	17	14.2	0.9	0.02	0.04	0	1.16	2.149	0.093	0.002
173-G3	1	0	32	86.7	63	0.9	0.02	0.04	0	1.58	**8.661**	0.717	0.028
173-G4	1	0	32	120.3	86.5	0.9	0.02	0.04	0	1.78	**13.417**	1.413	0.07
173-G5	1	0	32	26.1	20.6	0.9	0.02	0.04	0	1.21	2.717	0.13	0.003
173-H1	1	0	32	136.6	97.9	0.9	0.02	0.04	0	1.88	**15.996**	1.87	0.103
173-P1	1	0	32	175	124.8	0.9	0.02	0.04	0	2.11	**22.592**	3.294	0.226
174-A1	1	0	32	71.9	52.7	0.9	0.02	0.04	0	1.49	**6.881**	0.506	0.018
174-G1	1	0	32	78.9	57.5	0.9	0.02	0.04	0	1.54	**7.7**	0.6	0.022
174-H1	1	0	32	179.5	127.9	0.9	0.02	0.04	0	2.13	**23.394**	3.493	0.246

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
175-G1	1	0	32	77.2	56.4	0.9	0.02	0.04	0	1.52	**7.498**	0.576	0.021
175-G2	1	0	32	26.8	21	0.9	0.02	0.04	0	1.22	2.765	0.133	0.003
175-H1	1	0	32	75.5	55.1	0.9	0.02	0.04	0	1.51	**7.29**	0.552	0.02
176-A1	1	0	32	39.3	29.8	0.9	0.02	0.04	0	1.3	3.694	0.203	0.005
176-H1	1	0	32	50.3	37.5	0.9	0.02	0.04	0	1.36	4.648	0.283	0.008
176-H2	1	0	32	29	22.6	0.9	0.02	0.04	0	1.23	2.92	0.144	0.003
176-P1	1	0	32	39	29.6	0.9	0.02	0.04	0	1.29	3.674	0.201	0.005
178-H1	1	0	32	29.1	22.7	0.9	0.02	0.04	0	1.23	2.925	0.145	0.003
179-H1	1	0	32	82.9	60.3	0.9	0.02	0.04	0	1.56	**8.192**	0.658	0.025
180-H1	1	0	32	421.7	297.5	0.9	0.02	0.04	0	3.51	**63.039**	**22.544**	3.972
180-H2	1	0	32	20.2	16.5	0.9	0.02	0.04	0	1.18	2.342	0.105	0.002
180-O1	1	0	32	479.9	338.2	0.9	0.02	0.04	0	3.83	**69.757**	**28.453**	**5.827**
181-A1	1	0	32	106.1	76.6	0.9	0.02	0.04	0	1.7	**11.298**	1.079	0.049
181-G1	1	0	32	48.7	36.4	0.9	0.02	0.04	0	1.35	4.498	0.27	0.008
181-G2	1	0	32	112.3	80.9	0.9	0.02	0.04	0	1.74	**12.205**	1.217	0.057
181-H1	1	0	32	121.4	87.3	0.9	0.02	0.04	0	1.79	**13.584**	1.441	0.072
181-H2	1	0	32	115	82.8	0.9	0.02	0.04	0	1.75	**12.612**	1.281	0.062
181-N1	1	0	32	126.7	91	0.9	0.02	0.04	0	1.82	**14.416**	1.583	0.082
181-N2	1	0	32	138.4	99.2	0.9	0.02	0.04	0	1.89	**16.303**	1.928	0.107
181-O1	1	0	32	57.3	42.4	0.9	0.02	0.04	0	1.4	**5.318**	0.345	0.011
182-G1	1	0	32	199.4	141.9	0.9	0.02	0.04	0	2.25	**26.997**	4.459	0.347
182-G2	1	0	32	179.8	128.2	0.9	0.02	0.04	0	2.13	**23.451**	3.507	0.247
182-H1	1	0	32	138.6	99.3	0.9	0.02	0.04	0	1.89	**16.322**	1.931	0.108
182-H2	1	0	32	133.8	95.9	0.9	0.02	0.04	0	1.86	**15.541**	1.785	0.097
182-O1	1	0	32	110.2	79.4	0.9	0.02	0.04	0	1.72	**11.899**	1.17	0.054
182-O2	1	0	32	186	132.5	0.9	0.02	0.04	0	2.17	**24.561**	3.793	0.276
182-O3	1	0	32	178.6	127.3	0.9	0.02	0.04	0	2.13	**23.243**	3.455	0.242
184-H1	1	0	32	188.9	134.5	0.9	0.02	0.04	0	2.19	**25.081**	3.931	0.29
185-A1	1	0	32	33.8	26	0.9	0.02	0.04	0	1.26	3.27	0.17	0.004
185-H1	1	0	32	32.6	25.1	0.9	0.02	0.04	0	1.25	3.174	0.163	0.004
186-O1	1	0	32	350	247.3	0.9	0.02	0.04	0	3.11	**53.051**	**15.617**	2.22
187-H1	1	0	32	107.5	77.6	0.9	0.02	0.04	0	1.71	**11.504**	1.11	0.051
188-A1	1	0	32	78.2	57.1	0.9	0.02	0.04	0	1.53	**7.619**	0.59	0.022
188-G1	1	0	32	116.9	84.2	0.9	0.02	0.04	0	1.76	**12.903**	1.328	0.065
188-G2	1	0	32	122	87.7	0.9	0.02	0.04	0	1.79	**13.675**	1.456	0.073
188-G3	1	0	32	61.7	45.5	0.9	0.02	0.04	0	1.43	**5.763**	0.389	0.013
188-H1	1	0	32	39	29.6	0.9	0.02	0.04	0	1.29	3.674	0.201	0.005
188-P1	1	0	32	56.6	41.9	0.9	0.02	0.04	0	1.4	**5.251**	0.339	0.01
189-G1	1	0	32	44	33.1	0.9	0.02	0.04	0	1.32	4.086	0.234	0.006
189-H1	1	0	32	76.3	55.7	0.9	0.02	0.04	0	1.52	**7.389**	0.563	0.02
189-H2	1	0	32	103.5	74.7	0.9	0.02	0.04	0	1.68	**10.929**	1.025	0.045
189-O1	1	0	32	119.8	86.2	0.9	0.02	0.04	0	1.78	**13.34**	1.4	0.069
190-G1	1	0	32	18.3	15.1	0.9	0.02	0.04	0	1.17	2.223	0.098	0.002
190-H1	1	0	32	41.5	31.3	0.9	0.02	0.04	0	1.31	3.871	0.217	0.006
190-N1	1	0	32	26.9	21.1	0.9	0.02	0.04	0	1.22	2.774	0.134	0.003
190-N2	1	0	32	24.4	19.4	0.9	0.02	0.04	0	1.2	2.606	0.123	0.003
190-N3	1	0	32	21	17	0.9	0.02	0.04	0	1.18	2.386	0.108	0.002

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
190-O1	1	0	32	62.8	46.2	0.9	0.02	0.04	0	1.44	**5.876**	0.4	0.013
191-H1	1	0	32	211.2	150.1	0.9	0.02	0.04	0	2.32	**29.151**	**5.094**	0.42
192-A1	1	0	32	37.4	28.5	0.9	0.02	0.04	0	1.28	3.546	0.191	0.005
192-G1	1	0	32	28.4	22.2	0.9	0.02	0.04	0	1.23	2.878	0.141	0.003
192-H1	1	0	32	34	26.1	0.9	0.02	0.04	0	1.26	3.278	0.17	0.004
193-G1	1	0	32	18.6	15.3	0.9	0.02	0.04	0	1.17	2.243	0.099	0.002
193-H1	1	0	32	21.4	17.3	0.9	0.02	0.04	0	1.19	2.414	0.11	0.002
194-H1	1	0	32	27.5	21.5	0.9	0.02	0.04	0	1.22	2.81	0.137	0.003
194-N1	1	0	32	34.2	26.2	0.9	0.02	0.04	0	1.26	3.293	0.172	0.004
195-G1	1	0	32	77.8	56.8	0.9	0.02	0.04	0	1.53	**7.569**	0.584	0.021
195-G2	1	0	32	154.8	110.7	0.9	0.02	0.04	0	1.99	**19.054**	2.484	0.152
195-O1	1	0	32	195.5	139.1	0.9	0.02	0.04	0	2.23	**26.283**	4.258	0.325
196-A1	1	0	32	57.5	42.5	0.9	0.02	0.04	0	1.41	**5.334**	0.347	0.011
196-A2	1	0	32	68.7	50.4	0.9	0.02	0.04	0	1.47	**6.512**	0.466	0.016
196-G1	1	0	32	47.7	35.7	0.9	0.02	0.04	0	1.35	4.411	0.262	0.007
196-O1	1	0	32	69	50.6	0.9	0.02	0.04	0	1.48	**6.546**	0.47	0.016
197-H1	1	0	32	140.9	100.9	0.9	0.02	0.04	0	1.91	**16.711**	2.006	0.113
198-G1	1	0	32	78.3	57.1	0.9	0.02	0.04	0	1.53	**7.632**	0.592	0.022
198-H1	1	0	32	168.3	120.1	0.9	0.02	0.04	0	2.07	**21.397**	3.008	0.199
199-G1	1	0	32	14.7	12.6	0.9	0.02	0.04	0	1.14	2.02	0.086	0.002
199-O1	1	0	32	26.5	20.8	0.9	0.02	0.04	0	1.22	2.743	0.132	0.003
200-G1	1	0	32	29.9	23.2	0.9	0.02	0.04	0	1.24	2.979	0.149	0.004
200-H1	1	0	32	29.1	22.7	0.9	0.02	0.04	0	1.23	2.925	0.145	0.003
200-O1	1	0	32	27.7	21.7	0.9	0.02	0.04	0	1.22	2.826	0.138	0.003
201-O1	1	0	32	324.8	229.7	0.9	0.02	0.04	0	2.97	**49.098**	**13.362**	1.745
202-H1	1	0	32	173.3	123.6	0.9	0.02	0.04	0	2.1	**22.292**	3.221	0.219
202-N1	1	0	32	57.9	42.8	0.9	0.02	0.04	0	1.41	**5.376**	0.351	0.011
202-O1	1	0	32	137	98.2	0.9	0.02	0.04	0	1.88	**16.064**	1.882	0.104
203-H1	1	0	32	20.2	16.5	0.9	0.02	0.04	0	1.18	2.342	0.105	0.002
203-O1	1	0	32	20.2	16.5	0.9	0.02	0.04	0	1.18	2.342	0.105	0.002
203-O2	1	0	32	479.2	337.8	0.9	0.02	0.04	0	3.82	**69.683**	**28.381**	**5.803**
205-O1	1	0	32	507.3	357.4	0.9	0.02	0.04	0	3.97	**72.508**	**31.247**	**6.826**
206-A1	1	0	32	116.1	83.6	0.9	0.02	0.04	0	1.76	**12.775**	1.308	0.063
206-G1	1	0	32	50.4	37.6	0.9	0.02	0.04	0	1.36	4.656	0.284	0.008
206-H1	1	0	32	18	14.9	0.9	0.02	0.04	0	1.16	2.207	0.097	0.002
206-H2	1	0	32	285	201.8	0.9	0.02	0.04	0	2.74	**42.426**	**10.065**	1.137
206-O1	1	0	32	252.4	179	0.9	0.02	0.04	0	2.56	**36.665**	**7.67**	0.76
207-O1	1	0	32	110.8	79.9	0.9	0.02	0.04	0	1.73	**11.989**	1.184	0.055
208-H1	1	0	32	264.1	187.2	0.9	0.02	0.04	0	2.62	**38.76**	**8.497**	0.884
209-G1	1	0	32	238.7	169.4	0.9	0.02	0.04	0	2.48	**34.178**	**6.753**	0.631
209-H1	1	0	32	391.9	276.6	0.9	0.02	0.04	0	3.34	**59.12**	**19.594**	3.171
209-P1	1	0	32	517.6	364.6	0.9	0.02	0.04	0	4.03	**73.482**	**32.297**	**7.223**
210-H1	1	0	32	113.6	81.8	0.9	0.02	0.04	0	1.74	**12.394**	1.247	0.059
210-O1	1	0	32	127.9	91.8	0.9	0.02	0.04	0	1.83	**14.598**	1.615	0.084
211-A1	1	0	32	71.8	52.6	0.9	0.02	0.04	0	1.49	**6.871**	0.505	0.018
211-G1	1	0	32	38.6	29.3	0.9	0.02	0.04	0	1.29	3.64	0.198	0.005
211-G2	1	0	32	44.7	33.6	0.9	0.02	0.04	0	1.33	4.144	0.239	0.007

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
211-H1	1	0	32	70.7	51.8	0.9	0.02	0.04	0	1.49	**6.738**	0.491	0.017
211-O1	1	0	32	127.3	91.4	0.9	0.02	0.04	0	1.82	**14.509**	1.599	0.083
212-H1	1	0	32	188.5	134.2	0.9	0.02	0.04	0	2.19	**25.013**	3.912	0.288
212-H2	1	0	32	149.1	106.7	0.9	0.02	0.04	0	1.95	**18.089**	2.281	0.136
213-O1	1	0	32	35.5	27.1	0.9	0.02	0.04	0	1.27	3.392	0.179	0.005
213-O2	1	0	32	84.3	61.3	0.9	0.02	0.04	0	1.57	**8.368**	0.68	0.026
213-O3	1	0	32	57.5	42.5	0.9	0.02	0.04	0	1.41	**5.339**	0.347	0.011
801-O1	1	0	32	28.9	22.5	0.9	0.02	0.04	0	1.23	2.911	0.144	0.003
801-O2	1	0	32	14.9	12.8	0.9	0.02	0.04	0	1.15	2.033	0.086	0.002
801-O3	1	0	32	31.1	24.1	0.9	0.02	0.04	0	1.25	3.069	0.155	0.004
802-O1	1	0	32	150.3	107.5	0.9	0.02	0.04	0	1.96	**18.288**	2.322	0.139
803-O1	1	0	32	446.5	314.8	0.9	0.02	0.04	0	3.64	**66.043**	**25.041**	4.714
803-O2	1	0	32	314.6	222.6	0.9	0.02	0.04	0	2.91	**47.445**	**12.488**	1.574
803-O3	1	0	32	234.7	166.6	0.9	0.02	0.04	0	2.45	**33.46**	**6.5**	0.597
804-O1	1	0	32	102.1	73.8	0.9	0.02	0.04	0	1.67	**10.732**	0.996	0.044
804-O2	1	0	32	254.1	180.1	0.9	0.02	0.04	0	2.57	**36.966**	**7.786**	0.777
805-O1	1	0	32	38.2	29	0.9	0.02	0.04	0	1.29	3.607	0.196	0.005
805-O2	1	0	32	45.5	34.1	0.9	0.02	0.04	0	1.33	4.215	0.245	0.007
806-O1	1	0	32	28.4	22.1	0.9	0.02	0.04	0	1.23	2.872	0.141	0.003
806-O2	1	0	32	29.6	23	0.9	0.02	0.04	0	1.24	2.961	0.147	0.004
806-O3	1	0	32	50.7	37.8	0.9	0.02	0.04	0	1.36	4.679	0.286	0.008
806-O4	1	0	32	36.9	28.1	0.9	0.02	0.04	0	1.28	3.506	0.188	0.005
806-O5	1	0	32	37.3	28.5	0.9	0.02	0.04	0	1.28	3.54	0.19	0.005
807-O1	1	0	32	29	22.6	0.9	0.02	0.04	0	1.23	2.921	0.144	0.003
808-O1	1	0	32	33.7	25.9	0.9	0.02	0.04	0	1.26	3.262	0.169	0.004
808-O2	1	0	32	35.8	27.4	0.9	0.02	0.04	0	1.27	3.422	0.181	0.005
203-O3	1	0	32	20.2	16.5	0.9	0.02	0.04	0	1.18	2.342	0.105	0.002
203-O4	1	0	32	20.2	16.5	0.9	0.02	0.04	0	1.18	2.342	0.105	0.002

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 2/22/2020
Site Name: UCR
Operable Unit: Current Resident, No Fish Consumption
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5 or 8 µg/dL

Input File: 02222020_Res no bch no fish.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	ABSSoil (%)	ABSDust (%)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
13	1	1	32	92.4	67	0.9	0.02	0	30.000*	30.000*	0	1.61	**9.261**	0.794	0.032
14	1	1	32	77.1	56.3	0.9	0.02	0	30.000*	30.000*	0	1.52	**7.346**	0.558	0.02
15	1	1	32	93.6	67.8	0.9	0.02	0	30.000*	30.000*	0	1.62	**9.41**	0.814	0.033
16	1	1	32	356	251.5	0.9	0.02	0	30.000*	30.000*	0	3.14	**53.779**	**16.06**	2.319
17	1	1	32	150.5	107.7	0.9	0.02	0	30.000*	30.000*	0	1.96	**18.124**	2.289	0.136
9	1	1	32	91.8	66.5	0.9	0.02	0	30.000*	30.000*	0	1.61	**9.171**	0.782	0.032
40	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002
1015	1	1	32	47.6	35.6	0.9	0.02	0	30.000*	30.000*	0	1.34	4.299	0.252	0.007
1017	1	1	32	139.2	99.8	0.9	0.02	0	30.000*	30.000*	0	1.89	**16.244**	1.916	0.107
1018	1	1	32	51.9	38.6	0.9	0.02	0	30.000*	30.000*	0	1.36	4.684	0.286	0.008
42	1	1	32	229.6	163.1	0.9	0.02	0	30.000*	30.000*	0	2.42	**32.322**	**6.11**	0.545
44	1	1	32	99.7	72.1	0.9	0.02	0	30.000*	30.000*	0	1.65	**10.24**	0.927	0.04
46	1	1	32	188.7	134.4	0.9	0.02	0	30.000*	30.000*	0	2.18	**24.842**	3.867	0.283
47	1	1	32	222.3	157.9	0.9	0.02	0	30.000*	30.000*	0	2.38	**30.976**	**5.667**	0.489
49	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002
60	1	1	32	59.3	43.8	0.9	0.02	0	30.000*	30.000*	0	1.41	**5.397**	0.353	0.011
61	1	1	32	137.2	98.3	0.9	0.02	0	30.000*	30.000*	0	1.88	**15.907**	1.853	0.102
22	1	1	32	118.9	85.5	0.9	0.02	0	30.000*	30.000*	0	1.77	**13.019**	1.347	0.066
25	1	1	32	54.5	40.4	0.9	0.02	0	30.000*	30.000*	0	1.38	4.928	0.308	0.009
27	1	1	32	135.3	97	0.9	0.02	0	30.000*	30.000*	0	1.87	**15.592**	1.794	0.097
28	1	1	32	49.2	36.8	0.9	0.02	0	30.000*	30.000*	0	1.35	4.445	0.265	0.008
29	1	1	32	42.7	32.2	0.9	0.02	0	30.000*	30.000*	0	1.31	3.879	0.217	0.006
30	1	1	32	51.6	38.4	0.9	0.02	0	30.000*	30.000*	0	1.36	4.658	0.284	0.008
31	1	1	32	255.8	181.3	0.9	0.02	0	30.000*	30.000*	0	2.57	**37.063**	**7.823**	0.782
33	1	1	32	206.4	146.8	0.9	0.02	0	30.000*	30.000*	0	2.28	**28.069**	4.769	0.382
35	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002
35PA	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002
39	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002
226C	1	1	32	395.3	279	0.9	0.02	0	30.000*	30.000*	0	3.36	**59.422**	**19.81**	3.227
55	1	1	32	67.1	49.2	0.9	0.02	0	30.000*	30.000*	0	1.46	**6.211**	0.434	0.014
56	1	1	32	185.9	132.4	0.9	0.02	0	30.000*	30.000*	0	2.16	**24.341**	3.736	0.27
58	1	1	32	73.3	53.6	0.9	0.02	0	30.000*	30.000*	0	1.49	**6.905**	0.509	0.018
59	1	1	32	206.6	146.9	0.9	0.02	0	30.000*	30.000*	0	2.28	**28.102**	4.779	0.383
59A	1	1	32	335.3	237	0.9	0.02	0	30.000*	30.000*	0	3.02	**50.582**	**14.18**	1.912
62	1	1	32	118.1	85	0.9	0.02	0	30.000*	30.000*	0	1.76	**12.9**	1.328	0.065
62G	1	1	32	70.6	51.7	0.9	0.02	0	30.000*	30.000*	0	1.48	**6.597**	0.475	0.016
66	1	1	32	141.1	101	0.9	0.02	0	30.000*	30.000*	0	1.9	**16.543**	1.974	0.111
67	1	1	32	174.5	124.4	0.9	0.02	0	30.000*	30.000*	0	2.1	**22.29**	3.221	0.219
70	1	1	32	202.6	144.1	0.9	0.02	0	30.000*	30.000*	0	2.26	**27.375**	4.567	0.359

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	ABSSoil (%)	ABSDust (%)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
71	1	1	32	127	91.2	0.9	0.02	0	30.000*	30.000*	0	1.82	**14.274**	1.558	0.08
72M	1	1	32	253.9	180.1	0.9	0.02	0	30.000*	30.000*	0	2.56	**36.734**	**7.697**	0.764
72U	1	1	32	109.7	79.1	0.9	0.02	0	30.000*	30.000*	0	1.71	**11.654**	1.132	0.052
75	1	1	32	381.8	269.6	0.9	0.02	0	30.000*	30.000*	0	3.28	**57.555**	**18.504**	2.896
82	1	1	32	54.8	40.6	0.9	0.02	0	30.000*	30.000*	0	1.38	4.958	0.311	0.009
85	1	1	32	57.4	42.5	0.9	0.02	0	30.000*	30.000*	0	1.4	**5.21**	0.335	0.01
86	1	1	32	115.3	83	0.9	0.02	0	30.000*	30.000*	0	1.75	**12.487**	1.262	0.06
87	1	1	32	99.5	72	0.9	0.02	0	30.000*	30.000*	0	1.65	**10.217**	0.923	0.04
94M	1	1	32	73.9	54	0.9	0.02	0	30.000*	30.000*	0	1.5	**6.974**	0.517	0.018
106	1	1	32	387.2	273.4	0.9	0.02	0	30.000*	30.000*	0	3.31	**58.316**	**19.028**	3.027
107	1	1	32	169.3	120.8	0.9	0.02	0	30.000*	30.000*	0	2.07	**21.381**	3.004	0.199
108	1	1	32	185.4	132.1	0.9	0.02	0	30.000*	30.000*	0	2.16	**24.251**	3.712	0.268
109	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002
110	1	1	32	88.5	64.3	0.9	0.02	0	30.000*	30.000*	0	1.59	**8.753**	0.728	0.029
110G	1	1	32	41.5	31.4	0.9	0.02	0	30.000*	30.000*	0	1.3	3.782	0.21	0.006
111	1	1	32	70.4	51.5	0.9	0.02	0	30.000*	30.000*	0	1.48	**6.573**	0.473	0.016
112	1	1	32	471.3	332.2	0.9	0.02	0	30.000*	30.000*	0	3.77	**68.715**	**27.457**	**5.49**
112G	1	1	32	181.5	129.4	0.9	0.02	0	30.000*	30.000*	0	2.14	**23.555**	3.534	0.25
113low	1	1	32	263	186.4	0.9	0.02	0	30.000*	30.000*	0	2.61	**38.365**	**8.337**	0.859
113up	1	1	32	398.8	281.5	0.9	0.02	0	30.000*	30.000*	0	3.38	**59.905**	**20.159**	3.318
115SP	1	1	32	493.1	347.5	0.9	0.02	0	30.000*	30.000*	0	3.89	**70.998**	**29.683**	**6.257**
21	1	1	32	104.1	75.2	0.9	0.02	0	30.000*	30.000*	0	1.68	**10.848**	1.013	0.045
21G	1	1	32	337.4	238.5	0.9	0.02	0	30.000*	30.000*	0	3.03	**50.923**	**14.373**	1.952
116M	1	1	32	347.4	245.4	0.9	0.02	0	30.000*	30.000*	0	3.09	**52.468**	**15.27**	2.144
122	1	1	32	69	50.6	0.9	0.02	0	30.000*	30.000*	0	1.47	**6.427**	0.457	0.016
121	1	1	32	148.3	106.1	0.9	0.02	0	30.000*	30.000*	0	1.94	**17.749**	2.212	0.13
123	1	1	32	336.5	237.9	0.9	0.02	0	30.000*	30.000*	0	3.03	**50.787**	**14.296**	1.936
135	1	1	32	130.2	93.5	0.9	0.02	0	30.000*	30.000*	0	1.84	**14.787**	1.648	0.087
146	1	1	32	81.4	59.3	0.9	0.02	0	30.000*	30.000*	0	1.54	**7.864**	0.619	0.023
146G	1	1	32	43.2	32.6	0.9	0.02	0	30.000*	30.000*	0	1.31	3.924	0.221	0.006
147	1	1	32	50.9	37.9	0.9	0.02	0	30.000*	30.000*	0	1.36	4.596	0.278	0.008
151	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002
152	1	1	32	183.4	130.7	0.9	0.02	0	30.000*	30.000*	0	2.15	**23.894**	3.62	0.258
160	1	1	32	153.4	109.7	0.9	0.02	0	30.000*	30.000*	0	1.97	**18.608**	2.389	0.144
163	1	1	32	158.1	113	0.9	0.02	0	30.000*	30.000*	0	2	**19.422**	2.563	0.159
163G	1	1	32	222.8	158.3	0.9	0.02	0	30.000*	30.000*	0	2.38	**31.073**	**5.698**	0.493
164	1	1	32	118	84.9	0.9	0.02	0	30.000*	30.000*	0	1.76	**12.882**	1.325	0.064
167	1	1	32	71.4	52.3	0.9	0.02	0	30.000*	30.000*	0	1.48	**6.692**	0.486	0.017
168	1	1	32	365.9	258.4	0.9	0.02	0	30.000*	30.000*	0	3.19	**55.259**	**16.988**	2.531
169	1	1	32	262	185.7	0.9	0.02	0	30.000*	30.000*	0	2.6	**38.174**	**8.26**	0.848
169A	1	1	32	238.9	169.5	0.9	0.02	0	30.000*	30.000*	0	2.47	**34.007**	**6.692**	0.622
320new	1	1	32	555.7	391.3	0.9	0.02	0	30.000*	30.000*	0	4.23	**76.707**	**36.032**	**8.729**
216	1	1	32	310.2	219.4	0.9	0.02	0	30.000*	30.000*	0	2.88	**46.518**	**12.015**	1.484
1030	1	1	32	20.2	16.5	0.9	0.02	0	30.000*	30.000*	0	1.17	2.272	0.101	0.002
170	1	1	32	20.2	16.5	0.9	0.02	0	30.000*	30.000*	0	1.17	2.272	0.101	0.002
172U	1	1	32	294	208.1	0.9	0.02	0	30.000*	30.000*	0	2.79	**43.79**	**10.69**	1.244
174M	1	1	32	23.7	18.9	0.9	0.02	0	30.000*	30.000*	0	1.19	2.487	0.115	0.003
175	1	1	32	171.3	122.2	0.9	0.02	0	30.000*	30.000*	0	2.08	**21.727**	3.086	0.206
238G	1	1	32	47.1	35.3	0.9	0.02	0	30.000*	30.000*	0	1.34	4.258	0.249	0.007
238M	1	1	32	34.9	26.8	0.9	0.02	0	30.000*	30.000*	0	1.26	3.264	0.169	0.004
176G	1	1	32	140.1	100.4	0.9	0.02	0	30.000*	30.000*	0	1.89	**16.394**	1.945	0.109
176M	1	1	32	215.9	153.4	0.9	0.02	0	30.000*	30.000*	0	2.34	**29.802**	**5.294**	0.444
177	1	1	32	172.8	123.2	0.9	0.02	0	30.000*	30.000*	0	2.09	**21.99**	3.149	0.212
206	1	1	32	142.4	101.9	0.9	0.02	0	30.000*	30.000*	0	1.91	**16.757**	2.015	0.114
208	1	1	32	161.9	115.6	0.9	0.02	0	30.000*	30.000*	0	2.02	**20.075**	2.707	0.172
208AA	1	1	32	173.4	123.6	0.9	0.02	0	30.000*	30.000*	0	2.09	**22.092**	3.173	0.215

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	ABSSoil (%)	ABSDust (%)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
208BM	1	1	32	112.5	81.1	0.9	0.02	0	30.000*	30.000*	0	1.73	**12.07**	1.196	0.056
208G	1	1	32	92.1	66.7	0.9	0.02	0	30.000*	30.000*	0	1.61	**9.209**	0.787	0.032
209A	1	1	32	115.7	83.3	0.9	0.02	0	30.000*	30.000*	0	1.75	**12.541**	1.27	0.061
213	1	1	32	440.1	310.4	0.9	0.02	0	30.000*	30.000*	0	3.6	**65.156**	**24.28**	4.482
185	1	1	32	196.7	140	0.9	0.02	0	30.000*	30.000*	0	2.23	**26.289**	4.26	0.325
185G	1	1	32	71	52	0.9	0.02	0	30.000*	30.000*	0	1.48	**6.648**	0.481	0.017
186	1	1	32	242.3	171.9	0.9	0.02	0	30.000*	30.000*	0	2.49	**34.629**	**6.914**	0.653
1035	1	1	32	114.9	82.8	0.9	0.02	0	30.000*	30.000*	0	1.74	**12.428**	1.252	0.06
1036	1	1	32	76.8	56	0.9	0.02	0	30.000*	30.000*	0	1.52	**7.308**	0.554	0.02
1037	1	1	32	98.4	71.2	0.9	0.02	0	30.000*	30.000*	0	1.65	**10.065**	0.902	0.038
189	1	1	32	154.4	110.4	0.9	0.02	0	30.000*	30.000*	0	1.98	**18.792**	2.428	0.148
1060	1	1	32	127.8	91.8	0.9	0.02	0	30.000*	30.000*	0	1.82	**14.4**	1.58	0.082
192	1	1	32	262.5	186	0.9	0.02	0	30.000*	30.000*	0	2.61	**38.259**	**8.294**	0.853
1020	1	1	32	96.5	69.9	0.9	0.02	0	30.000*	30.000*	0	1.63	**9.805**	0.867	0.036
1021	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002
193	1	1	32	140.2	100.4	0.9	0.02	0	30.000*	30.000*	0	1.89	**16.404**	1.947	0.109
194	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002
218	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002
201	1	1	32	447.1	315.3	0.9	0.02	0	30.000*	30.000*	0	3.64	**65.984**	**24.989**	4.698
201G	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002
203	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002
229	1	1	32	48.6	36.3	0.9	0.02	0	30.000*	30.000*	0	1.34	4.388	0.26	0.007
230G	1	1	32	80.1	58.4	0.9	0.02	0	30.000*	30.000*	0	1.54	**7.701**	0.6	0.022
196	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002
231	1	1	32	125.5	90.1	0.9	0.02	0	30.000*	30.000*	0	1.81	**14.037**	1.517	0.077
231Lower	1	1	32	138	98.9	0.9	0.02	0	30.000*	30.000*	0	1.88	**16.036**	1.877	0.104
7	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002
154	1	1	32	66.3	48.7	0.9	0.02	0	30.000*	30.000*	0	1.45	**6.134**	0.426	0.014
246	1	1	32	29.2	22.8	0.9	0.02	0	30.000*	30.000*	0	1.23	2.852	0.14	0.003
18	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002
20	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002
249	1	1	32	85.9	62.5	0.9	0.02	0	30.000*	30.000*	0	1.57	**8.424**	0.687	0.027
250	1	1	32	92.2	66.8	0.9	0.02	0	30.000*	30.000*	0	1.61	**9.224**	0.789	0.032
253	1	1	32	110	79.3	0.9	0.02	0	30.000*	30.000*	0	1.71	**11.695**	1.139	0.052
258	1	1	32	767.7	539.7	0.9	0.02	0	30.000*	30.000*	0	5.33	**88.898**	**55.341**	**19.332**
259	1	1	32	240.7	170.8	0.9	0.02	0	30.000*	30.000*	0	2.48	**34.331**	**6.807**	0.638
284M	1	1	32	152.7	109.2	0.9	0.02	0	30.000*	30.000*	0	1.97	**18.495**	2.366	0.142
285M	1	1	32	157.6	112.7	0.9	0.02	0	30.000*	30.000*	0	2	**19.343**	2.546	0.158
287	1	1	32	150.2	107.4	0.9	0.02	0	30.000*	30.000*	0	1.95	**18.071**	2.278	0.135
288	1	1	32	68.2	50	0.9	0.02	0	30.000*	30.000*	0	1.46	**6.331**	0.447	0.015
288G1	1	1	32	79.7	58.1	0.9	0.02	0	30.000*	30.000*	0	1.53	**7.65**	0.594	0.022
288G2	1	1	32	59.8	44.2	0.9	0.02	0	30.000*	30.000*	0	1.41	**5.457**	0.358	0.011
289G3	1	1	32	76.3	55.7	0.9	0.02	0	30.000*	30.000*	0	1.51	**7.25**	0.547	0.02
291	1	1	32	77.6	56.6	0.9	0.02	0	30.000*	30.000*	0	1.52	**7.4**	0.565	0.021
306	1	1	32	86.1	62.6	0.9	0.02	0	30.000*	30.000*	0	1.57	**8.446**	0.69	0.027
315	1	1	32	37.7	28.7	0.9	0.02	0	30.000*	30.000*	0	1.28	3.476	0.185	0.005
316	1	1	32	105.2	75.9	0.9	0.02	0	30.000*	30.000*	0	1.69	**11.002**	1.035	0.046
317	1	1	32	227.9	161.8	0.9	0.02	0	30.000*	30.000*	0	2.41	**32.001**	**6.003**	0.532
317M	1	1	32	494.8	348.7	0.9	0.02	0	30.000*	30.000*	0	3.9	**71.173**	**29.861**	**6.32**
318	1	1	32	452.2	318.9	0.9	0.02	0	30.000*	30.000*	0	3.67	**66.58**	**25.51**	4.861
319	1	1	32	505.5	356.2	0.9	0.02	0	30.000*	30.000*	0	3.96	**72.231**	**30.955**	**6.718**
319M	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002
420	1	1	32	517.5	364.6	0.9	0.02	0	30.000*	30.000*	0	4.02	**73.373**	**32.179**	**7.177**
421	1	1	32	318.8	225.4	0.9	0.02	0	30.000*	30.000*	0	2.93	**47.93**	**12.74**	1.623
410	1	1	32	394	278.1	0.9	0.02	0	30.000*	30.000*	0	3.35	**59.253**	**19.688**	3.195
412	1	1	32	12.8	11.3	0.9	0.02	0	30.000*	30.000*	0	1.13	1.853	0.076	0.002

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	ABSSoil (%)	ABSDust (%)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
413	1	1	32	543.1	382.5	0.9	0.02	0	30.000*	30.000*	0	4.16	**75.658**	**34.771**	**8.203**
325	1	1	32	37.8	28.8	0.9	0.02	0	30.000*	30.000*	0	1.28	3.487	0.186	0.005
326	1	1	32	71.5	52.3	0.9	0.02	0	30.000*	30.000*	0	1.48	**6.696**	0.486	0.017
327	1	1	32	50	37.3	0.9	0.02	0	30.000*	30.000*	0	1.35	4.519	0.272	0.008
999G1	1	1	32	85.9	62.4	0.9	0.02	0	30.000*	30.000*	0	1.57	**8.418**	0.686	0.027
999M1	1	1	32	79.9	58.2	0.9	0.02	0	30.000*	30.000*	0	1.53	**7.676**	0.597	0.022
999M2	1	1	32	56.1	41.6	0.9	0.02	0	30.000*	30.000*	0	1.39	**5.089**	0.323	0.01
999M3	1	1	32	83.8	61	0.9	0.02	0	30.000*	30.000*	0	1.56	**8.156**	0.654	0.025
72	1	1	32	230.4	163.6	0.9	0.02	0	30.000*	30.000*	0	2.42	**32.458**	**6.156**	0.551
1001	1	1	32	408.4	288.1	0.9	0.02	0	30.000*	30.000*	0	3.43	**61.173**	**21.098**	3.569
401	1	1	32	1101.5	773.4	0.9	0.02	0	30.000*	30.000*	0	4.35	**78.522**	**38.327**	**9.733**
402	1	1	32	577.5	406.6	0.9	0.02	0	30.000*	30.000*	0	4.34	**78.434**	**38.212**	**9.681**
403	1	1	32	419.6	296	0.9	0.02	0	30.000*	30.000*	0	3.49	**62.623**	**22.214**	3.878
440	1	1	32	145.2	103.9	0.9	0.02	0	30.000*	30.000*	0	1.92	**17.228**	2.108	0.121
441	1	1	32	737.9	518.8	0.9	0.02	0	30.000*	30.000*	0	5.17	**87.697**	**52.914**	**17.699**
442	1	1	32	258.8	183.4	0.9	0.02	0	30.000*	30.000*	0	2.59	**37.603**	**8.034**	0.814
1005	1	1	32	112.1	80.8	0.9	0.02	0	30.000*	30.000*	0	1.73	**12.009**	1.187	0.055
1006	1	1	32	91.7	66.5	0.9	0.02	0	30.000*	30.000*	0	1.6	**9.158**	0.78	0.032
1007	1	1	32	51.9	38.6	0.9	0.02	0	30.000*	30.000*	0	1.36	4.688	0.287	0.008
1008	1	1	32	91.5	66.3	0.9	0.02	0	30.000*	30.000*	0	1.6	**9.134**	0.777	0.031
1010	1	1	32	110.8	79.8	0.9	0.02	0	30.000*	30.000*	0	1.72	**11.809**	1.156	0.054
1011	1	1	32	146.2	104.7	0.9	0.02	0	30.000*	30.000*	0	1.93	**17.403**	2.142	0.124
345	1	1	32	103.9	75	0.9	0.02	0	30.000*	30.000*	0	1.68	**10.826**	1.01	0.045
346	1	1	32	130.4	93.6	0.9	0.02	0	30.000*	30.000*	0	1.84	**14.817**	1.654	0.087
347	1	1	32	312.7	221.2	0.9	0.02	0	30.000*	30.000*	0	2.89	**46.931**	**12.224**	1.524
430	1	1	32	262	185.7	0.9	0.02	0	30.000*	30.000*	0	2.6	**38.174**	**8.26**	0.848
431	1	1	32	110.3	79.5	0.9	0.02	0	30.000*	30.000*	0	1.72	**11.737**	1.145	0.053
432	1	1	32	307.5	217.5	0.9	0.02	0	30.000*	30.000*	0	2.86	**46.061**	**11.786**	1.442
801	1	1	32	239.9	170.3	0.9	0.02	0	30.000*	30.000*	0	2.48	**34.198**	**6.76**	0.632
3000	1	1	32	26.6	20.9	0.9	0.02	0	30.000*	30.000*	0	1.21	2.676	0.127	0.003
3001	1	1	32	371	262	0.9	0.02	0	30.000*	30.000*	0	3.22	**56.006**	**17.471**	2.645
3003	1	1	32	294.5	208.5	0.9	0.02	0	30.000*	30.000*	0	2.79	**43.871**	**10.729**	1.251
3004	1	1	32	81.9	59.6	0.9	0.02	0	30.000*	30.000*	0	1.55	**7.921**	0.626	0.024
280	1	1	32	367.4	259.5	0.9	0.02	0	30.000*	30.000*	0	3.2	**55.478**	**17.128**	2.564
280yard	1	1	32	302.9	214.3	0.9	0.02	0	30.000*	30.000*	0	2.84	**45.291**	**11.407**	1.372
075-A1	1	1	32	70.1	51.4	0.9	0.02	0	30.000*	30.000*	0	1.47	**6.542**	0.469	0.016
075-H1	1	1	32	81.8	59.5	0.9	0.02	0	30.000*	30.000*	0	1.55	**7.903**	0.624	0.023
075-O1	1	1	32	265	187.8	0.9	0.02	0	30.000*	30.000*	0	2.62	**38.717**	**8.479**	0.881
076-G1	1	1	32	85	61.8	0.9	0.02	0	30.000*	30.000*	0	1.56	**8.302**	0.672	0.026
076-G2	1	1	32	95.1	68.8	0.9	0.02	0	30.000*	30.000*	0	1.63	**9.61**	0.84	0.035
076-H1	1	1	32	93.4	67.7	0.9	0.02	0	30.000*	30.000*	0	1.62	**9.386**	0.81	0.033
076-H2	1	1	32	91.4	66.3	0.9	0.02	0	30.000*	30.000*	0	1.6	**9.127**	0.776	0.031
076-N1	1	1	32	157.3	112.4	0.9	0.02	0	30.000*	30.000*	0	2	**19.289**	2.534	0.157
077-A1	1	1	32	32.2	24.9	0.9	0.02	0	30.000*	30.000*	0	1.24	3.065	0.155	0.004
077-A2	1	1	32	31.3	24.2	0.9	0.02	0	30.000*	30.000*	0	1.24	2.998	0.15	0.004
077-G1	1	1	32	28.4	22.2	0.9	0.02	0	30.000*	30.000*	0	1.22	2.799	0.136	0.003
077-H1	1	1	32	36.3	27.7	0.9	0.02	0	30.000*	30.000*	0	1.27	3.371	0.177	0.005
077-H2	1	1	32	37.2	28.3	0.9	0.02	0	30.000*	30.000*	0	1.28	3.436	0.182	0.005
077-N1	1	1	32	34.8	26.6	0.9	0.02	0	30.000*	30.000*	0	1.26	3.25	0.168	0.004
078-G1	1	1	32	37.9	28.9	0.9	0.02	0	30.000*	30.000*	0	1.28	3.495	0.187	0.005
078-H1	1	1	32	24.6	19.5	0.9	0.02	0	30.000*	30.000*	0	1.2	2.543	0.119	0.003
078-N1	1	1	32	26.8	21.1	0.9	0.02	0	30.000*	30.000*	0	1.21	2.691	0.128	0.003
078-O1	1	1	32	32	24.7	0.9	0.02	0	30.000*	30.000*	0	1.24	3.052	0.154	0.004
079-H1	1	1	32	69.8	51.2	0.9	0.02	0	30.000*	30.000*	0	1.47	**6.514**	0.466	0.016
079-H2	1	1	32	121.7	87.5	0.9	0.02	0	30.000*	30.000*	0	1.78	**13.454**	1.419	0.071
080-H1	1	1	32	23.7	18.9	0.9	0.02	0	30.000*	30.000*	0	1.19	2.484	0.115	0.003

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	ABSSoil (%)	ABSDust (%)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
081-A1	1	1	32	36.3	27.7	0.9	0.02	0	30.000*	30.000*	0	1.27	3.365	0.177	0.004
081-H1	1	1	32	45.5	34.1	0.9	0.02	0	30.000*	30.000*	0	1.33	4.115	0.237	0.007
081-O1	1	1	32	126.2	90.6	0.9	0.02	0	30.000*	30.000*	0	1.81	**14.151**	1.537	0.079
082-G1	1	1	32	22.8	18.3	0.9	0.02	0	30.000*	30.000*	0	1.19	2.429	0.111	0.002
082-G2	1	1	32	41.1	31	0.9	0.02	0	30.000*	30.000*	0	1.3	3.744	0.206	0.005
082-H1	1	1	32	41.8	31.5	0.9	0.02	0	30.000*	30.000*	0	1.3	3.801	0.211	0.006
082-N1	1	1	32	35.4	27.1	0.9	0.02	0	30.000*	30.000*	0	1.26	3.301	0.172	0.004
082-N2	1	1	32	42.9	32.3	0.9	0.02	0	30.000*	30.000*	0	1.31	3.896	0.219	0.006
083-G1	1	1	32	35.4	27.1	0.9	0.02	0	30.000*	30.000*	0	1.26	3.301	0.172	0.004
083-G2	1	1	32	30.6	23.7	0.9	0.02	0	30.000*	30.000*	0	1.24	2.95	0.146	0.004
083-H1	1	1	32	44.4	33.4	0.9	0.02	0	30.000*	30.000*	0	1.32	4.021	0.229	0.006
084-H1	1	1	32	37.5	28.6	0.9	0.02	0	30.000*	30.000*	0	1.28	3.462	0.184	0.005
085-H1	1	1	32	60	44.3	0.9	0.02	0	30.000*	30.000*	0	1.41	**5.477**	0.36	0.011
085-O1	1	1	32	79.7	58.1	0.9	0.02	0	30.000*	30.000*	0	1.53	**7.652**	0.594	0.022
085-P1	1	1	32	157.2	112.3	0.9	0.02	0	30.000*	30.000*	0	2	**19.27**	2.53	0.156
086-G1	1	1	32	72.1	52.8	0.9	0.02	0	30.000*	30.000*	0	1.49	**6.772**	0.494	0.017
086-H1	1	1	32	60.8	44.9	0.9	0.02	0	30.000*	30.000*	0	1.42	**5.557**	0.368	0.012
086-H2	1	1	32	92.5	67.1	0.9	0.02	0	30.000*	30.000*	0	1.61	**9.274**	0.796	0.032
087-H1	1	1	32	51.6	38.4	0.9	0.02	0	30.000*	30.000*	0	1.36	4.663	0.284	0.008
087-O1	1	1	32	92.5	67.1	0.9	0.02	0	30.000*	30.000*	0	1.61	**9.274**	0.796	0.032
088-H1	1	1	32	184.3	131.3	0.9	0.02	0	30.000*	30.000*	0	2.15	**24.041**	3.658	0.262
088-H2	1	1	32	159	113.6	0.9	0.02	0	30.000*	30.000*	0	2.01	**19.58**	2.597	0.162
088-O1	1	1	32	136.3	97.7	0.9	0.02	0	30.000*	30.000*	0	1.87	**15.762**	1.826	0.1
089-A1	1	1	32	80.4	58.6	0.9	0.02	0	30.000*	30.000*	0	1.54	**7.743**	0.605	0.022
089-H1	1	1	32	95.1	68.8	0.9	0.02	0	30.000*	30.000*	0	1.63	**9.61**	0.84	0.035
089-O1	1	1	32	60.3	44.5	0.9	0.02	0	30.000*	30.000*	0	1.42	**5.506**	0.363	0.011
090-H1	1	1	32	95.3	69	0.9	0.02	0	30.000*	30.000*	0	1.63	**9.647**	0.845	0.035
090-O2	1	1	32	157.3	112.4	0.9	0.02	0	30.000*	30.000*	0	2	**19.289**	2.534	0.157
091-G1	1	1	32	81.3	59.2	0.9	0.02	0	30.000*	30.000*	0	1.54	**7.845**	0.617	0.023
091-H1	1	1	32	56	41.5	0.9	0.02	0	30.000*	30.000*	0	1.39	**5.077**	0.322	0.01
092-O1	1	1	32	180.3	128.5	0.9	0.02	0	30.000*	30.000*	0	2.13	**23.337**	3.479	0.244
092-O2	1	1	32	101.8	73.6	0.9	0.02	0	30.000*	30.000*	0	1.67	**10.53**	0.967	0.042
093-H1	1	1	32	67.9	49.8	0.9	0.02	0	30.000*	30.000*	0	1.46	**6.299**	0.444	0.015
094-H1	1	1	32	80.2	58.4	0.9	0.02	0	30.000*	30.000*	0	1.54	**7.709**	0.601	0.022
094-P1	1	1	32	77.1	56.3	0.9	0.02	0	30.000*	30.000*	0	1.52	**7.348**	0.559	0.02
095-A1	1	1	32	174.1	124.2	0.9	0.02	0	30.000*	30.000*	0	2.09	**22.236**	3.208	0.218
095-H1	1	1	32	118.6	85.3	0.9	0.02	0	30.000*	30.000*	0	1.77	**12.983**	1.341	0.065
095-O1	1	1	32	149.1	106.7	0.9	0.02	0	30.000*	30.000*	0	1.95	**17.892**	2.241	0.132
095-O2	1	1	32	177.5	126.6	0.9	0.02	0	30.000*	30.000*	0	2.11	**22.835**	3.354	0.232
096-H1	1	1	32	179.2	127.7	0.9	0.02	0	30.000*	30.000*	0	2.12	**23.136**	3.428	0.239
096-O1	1	1	32	313.4	221.7	0.9	0.02	0	30.000*	30.000*	0	2.9	**47.042**	**12.281**	1.535
097-H1	1	1	32	142.2	101.8	0.9	0.02	0	30.000*	30.000*	0	1.91	**16.729**	2.009	0.114
097-H2	1	1	32	117.8	84.8	0.9	0.02	0	30.000*	30.000*	0	1.76	**12.855**	1.32	0.064
098-G1	1	1	32	36.3	27.7	0.9	0.02	0	30.000*	30.000*	0	1.27	3.371	0.177	0.005
098-H1	1	1	32	34.4	26.4	0.9	0.02	0	30.000*	30.000*	0	1.26	3.225	0.166	0.004
098-O1	1	1	32	22.7	18.2	0.9	0.02	0	30.000*	30.000*	0	1.19	2.424	0.111	0.002
099-A1	1	1	32	56.5	41.8	0.9	0.02	0	30.000*	30.000*	0	1.39	**5.121**	0.326	0.01
099-G2	1	1	32	63.3	46.7	0.9	0.02	0	30.000*	30.000*	0	1.43	**5.817**	0.394	0.013
099-H1	1	1	32	144.4	103.4	0.9	0.02	0	30.000*	30.000*	0	1.92	**17.102**	2.082	0.119
099-O1	1	1	32	170.7	121.8	0.9	0.02	0	30.000*	30.000*	0	2.07	**21.621**	3.061	0.204
100-G1	1	1	32	46.1	34.6	0.9	0.02	0	30.000*	30.000*	0	1.33	4.169	0.241	0.007
100-H1	1	1	32	140.6	100.7	0.9	0.02	0	30.000*	30.000*	0	1.9	**16.462**	1.958	0.11
100-N1	1	1	32	88.4	64.2	0.9	0.02	0	30.000*	30.000*	0	1.59	**8.734**	0.726	0.029
100-N2	1	1	32	73.6	53.8	0.9	0.02	0	30.000*	30.000*	0	1.5	**6.938**	0.512	0.018
100-O1	1	1	32	138.4	99.2	0.9	0.02	0	30.000*	30.000*	0	1.88	**16.113**	1.891	0.105
101-G1	1	1	32	50.7	37.8	0.9	0.02	0	30.000*	30.000*	0	1.36	4.58	0.277	0.008

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	ABSSoil (%)	ABSDust (%)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
101-H1	1	1	32	131.5	94.4	0.9	0.02	0	30.000*	30.000*	0	1.84	**14.994**	1.685	0.089
101-O1	1	1	32	209.4	148.9	0.9	0.02	0	30.000*	30.000*	0	2.3	**28.622**	4.934	0.401
102-G1	1	1	32	56.5	41.8	0.9	0.02	0	30.000*	30.000*	0	1.39	**5.121**	0.326	0.01
102-H1	1	1	32	29.9	23.3	0.9	0.02	0	30.000*	30.000*	0	1.23	2.901	0.143	0.003
103-H1	1	1	32	118	84.9	0.9	0.02	0	30.000*	30.000*	0	1.76	**12.881**	1.325	0.064
103-O1	1	1	32	99	71.6	0.9	0.02	0	30.000*	30.000*	0	1.65	**10.143**	0.913	0.039
104-H1	1	1	32	182.1	129.8	0.9	0.02	0	30.000*	30.000*	0	2.14	**23.655**	3.559	0.252
104-H2	1	1	32	165.1	117.8	0.9	0.02	0	30.000*	30.000*	0	2.04	**20.633**	2.832	0.183
104-N1	1	1	32	149.8	107.2	0.9	0.02	0	30.000*	30.000*	0	1.95	**18.004**	2.264	0.134
105-H1	1	1	32	105.8	76.3	0.9	0.02	0	30.000*	30.000*	0	1.69	**11.086**	1.048	0.047
105-P1	1	1	32	217.3	154.4	0.9	0.02	0	30.000*	30.000*	0	2.35	**30.051**	**5.372**	0.453
106-G1	1	1	32	28.4	22.2	0.9	0.02	0	30.000*	30.000*	0	1.22	2.799	0.136	0.003
106-G2	1	1	32	28.5	22.3	0.9	0.02	0	30.000*	30.000*	0	1.22	2.804	0.136	0.003
106-H1	1	1	32	18.6	15.3	0.9	0.02	0	30.000*	30.000*	0	1.16	2.175	0.095	0.002
106-O1	1	1	32	24.9	19.7	0.9	0.02	0	30.000*	30.000*	0	1.2	2.563	0.12	0.003
107-H1	1	1	32	233.9	166	0.9	0.02	0	30.000*	30.000*	0	2.44	**33.095**	**6.374**	0.58
108-H1	1	1	32	72.8	53.2	0.9	0.02	0	30.000*	30.000*	0	1.49	**6.844**	0.502	0.018
108-O1	1	1	32	119.5	85.9	0.9	0.02	0	30.000*	30.000*	0	1.77	**13.111**	1.362	0.067
108-O2	1	1	32	53.9	40	0.9	0.02	0	30.000*	30.000*	0	1.38	4.876	0.304	0.009
109-H1	1	1	32	20.2	16.5	0.9	0.02	0	30.000*	30.000*	0	1.17	2.272	0.101	0.002
110-A1	1	1	32	91.7	66.5	0.9	0.02	0	30.000*	30.000*	0	1.61	**9.164**	0.781	0.032
110-G1	1	1	32	67.7	49.7	0.9	0.02	0	30.000*	30.000*	0	1.46	**6.284**	0.442	0.015
110-G2	1	1	32	30.8	23.9	0.9	0.02	0	30.000*	30.000*	0	1.24	2.962	0.147	0.004
110-H1	1	1	32	58.8	43.5	0.9	0.02	0	30.000*	30.000*	0	1.41	**5.354**	0.348	0.011
110-O1	1	1	32	46.1	34.5	0.9	0.02	0	30.000*	30.000*	0	1.33	4.165	0.241	0.007
110-O2	1	1	32	80.7	58.8	0.9	0.02	0	30.000*	30.000*	0	1.54	**7.774**	0.608	0.023
111-H1	1	1	32	41.9	31.6	0.9	0.02	0	30.000*	30.000*	0	1.3	3.815	0.212	0.006
112-G1	1	1	32	97.3	70.4	0.9	0.02	0	30.000*	30.000*	0	1.64	**9.915**	0.882	0.037
112-H1	1	1	32	85.4	62.1	0.9	0.02	0	30.000*	30.000*	0	1.57	**8.357**	0.679	0.026
112-O1	1	1	32	296.9	210.1	0.9	0.02	0	30.000*	30.000*	0	2.8	**44.278**	**10.92**	1.285
113-G1	1	1	32	171.6	122.4	0.9	0.02	0	30.000*	30.000*	0	2.08	**21.788**	3.1	0.208
113-G2	1	1	32	190.1	135.4	0.9	0.02	0	30.000*	30.000*	0	2.19	**25.106**	3.937	0.291
113-G3	1	1	32	76.3	55.7	0.9	0.02	0	30.000*	30.000*	0	1.51	**7.253**	0.548	0.02
113-O1	1	1	32	122.8	88.3	0.9	0.02	0	30.000*	30.000*	0	1.79	**13.626**	1.448	0.073
114-G1	1	1	32	292.8	207.2	0.9	0.02	0	30.000*	30.000*	0	2.78	**43.573**	**10.59**	1.227
114-H1	1	1	32	327.3	231.4	0.9	0.02	0	30.000*	30.000*	0	2.98	**49.309**	**13.476**	1.768
114-O1	1	1	32	263	186.4	0.9	0.02	0	30.000*	30.000*	0	2.61	**38.355**	**8.333**	0.859
115-O1	1	1	32	394.7	278.6	0.9	0.02	0	30.000*	30.000*	0	3.35	**59.349**	**19.757**	3.213
116-O1	1	1	32	135.7	97.3	0.9	0.02	0	30.000*	30.000*	0	1.87	**15.671**	1.809	0.098
117-O1	1	1	32	15.8	13.4	0.9	0.02	0	30.000*	30.000*	0	1.14	2.018	0.085	0.002
118-G1	1	1	32	26.3	20.7	0.9	0.02	0	30.000*	30.000*	0	1.21	2.657	0.126	0.003
118-G2	1	1	32	21.9	17.6	0.9	0.02	0	30.000*	30.000*	0	1.18	2.37	0.107	0.002
118-H1	1	1	32	21.9	17.6	0.9	0.02	0	30.000*	30.000*	0	1.18	2.372	0.107	0.002
118-N1	1	1	32	47.1	35.3	0.9	0.02	0	30.000*	30.000*	0	1.34	4.256	0.249	0.007
118-N2	1	1	32	76.2	55.7	0.9	0.02	0	30.000*	30.000*	0	1.51	**7.243**	0.547	0.02
119-P1	1	1	32	275.8	195.4	0.9	0.02	0	30.000*	30.000*	0	2.68	**40.628**	**9.276**	1.006
120-A1	1	1	32	57.4	42.5	0.9	0.02	0	30.000*	30.000*	0	1.4	**5.214**	0.335	0.01
120-G1	1	1	32	55.1	40.8	0.9	0.02	0	30.000*	30.000*	0	1.38	4.986	0.314	0.009
120-H1	1	1	32	58.4	43.2	0.9	0.02	0	30.000*	30.000*	0	1.4	**5.308**	0.344	0.011
120-O1	1	1	32	93.3	67.6	0.9	0.02	0	30.000*	30.000*	0	1.61	**9.373**	0.809	0.033
121-G1	1	1	32	31.1	24.1	0.9	0.02	0	30.000*	30.000*	0	1.24	2.986	0.149	0.004
121-H1	1	1	32	44.1	33.2	0.9	0.02	0	30.000*	30.000*	0	1.32	3.997	0.227	0.006
121-N1	1	1	32	21.6	17.4	0.9	0.02	0	30.000*	30.000*	0	1.18	2.356	0.106	0.002
121-N2	1	1	32	39.1	29.7	0.9	0.02	0	30.000*	30.000*	0	1.29	3.587	0.194	0.005
122-G1	1	1	32	65.4	48.1	0.9	0.02	0	30.000*	30.000*	0	1.45	**6.03**	0.416	0.014
122-G2	1	1	32	58.7	43.4	0.9	0.02	0	30.000*	30.000*	0	1.41	**5.345**	0.348	0.011

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	ABSSoil (%)	ABSDust (%)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
122-H1	1	1	32	114.4	82.4	0.9	0.02	0	30.000*	30.000*	0	1.74	**12.35**	1.24	0.059
122-H2	1	1	32	66.5	48.8	0.9	0.02	0	30.000*	30.000*	0	1.45	**6.146**	0.428	0.014
122-O1	1	1	32	167.4	119.5	0.9	0.02	0	30.000*	30.000*	0	2.06	**21.046**	2.927	0.192
122-O2	1	1	32	244.8	173.7	0.9	0.02	0	30.000*	30.000*	0	2.51	**35.085**	**7.08**	0.676
122-P1	1	1	32	320.9	226.9	0.9	0.02	0	30.000*	30.000*	0	2.94	**48.28**	**12.924**	1.659
123-G1	1	1	32	80.8	58.9	0.9	0.02	0	30.000*	30.000*	0	1.54	**7.794**	0.611	0.023
123-G2	1	1	32	93.1	67.5	0.9	0.02	0	30.000*	30.000*	0	1.61	**9.349**	0.805	0.033
123-H1	1	1	32	72.4	53	0.9	0.02	0	30.000*	30.000*	0	1.49	**6.807**	0.498	0.017
123-O1	1	1	32	101	73	0.9	0.02	0	30.000*	30.000*	0	1.66	**10.413**	0.951	0.041
123-O2	1	1	32	220.4	156.6	0.9	0.02	0	30.000*	30.000*	0	2.36	**30.634**	**5.557**	0.476
124-G1	1	1	32	28	21.9	0.9	0.02	0	30.000*	30.000*	0	1.22	2.77	0.134	0.003
124-G2	1	1	32	76.6	55.9	0.9	0.02	0	30.000*	30.000*	0	1.51	**7.289**	0.552	0.02
124-H1	1	1	32	35.1	26.9	0.9	0.02	0	30.000*	30.000*	0	1.26	3.275	0.17	0.004
124-N1	1	1	32	27.6	21.6	0.9	0.02	0	30.000*	30.000*	0	1.22	2.741	0.132	0.003
124-N2	1	1	32	8.5	8.3	0.9	0.02	0	30.000*	30.000*	0	1.1	1.636	0.064	0.001
124-O1	1	1	32	76.6	55.9	0.9	0.02	0	30.000*	30.000*	0	1.51	**7.282**	0.551	0.02
125-O1	1	1	32	70	51.3	0.9	0.02	0	30.000*	30.000*	0	1.47	**6.537**	0.469	0.016
126-A1	1	1	32	64.8	47.7	0.9	0.02	0	30.000*	30.000*	0	1.44	**5.968**	0.409	0.013
126-G1	1	1	32	49	36.6	0.9	0.02	0	30.000*	30.000*	0	1.35	4.428	0.264	0.008
126-G2	1	1	32	42.2	31.8	0.9	0.02	0	30.000*	30.000*	0	1.31	3.833	0.214	0.006
126-H1	1	1	32	22	17.7	0.9	0.02	0	30.000*	30.000*	0	1.18	2.382	0.108	0.002
126-O1	1	1	32	48.8	36.5	0.9	0.02	0	30.000*	30.000*	0	1.35	4.405	0.262	0.007
126-O2	1	1	32	25.4	20.1	0.9	0.02	0	30.000*	30.000*	0	1.2	2.596	0.122	0.003
126-O3	1	1	32	50	37.3	0.9	0.02	0	30.000*	30.000*	0	1.35	4.511	0.271	0.008
126-P1	1	1	32	28.1	22	0.9	0.02	0	30.000*	30.000*	0	1.22	2.777	0.134	0.003
127-A1	1	1	32	117.8	84.8	0.9	0.02	0	30.000*	30.000*	0	1.76	**12.855**	1.32	0.064
127-G1	1	1	32	63.2	46.5	0.9	0.02	0	30.000*	30.000*	0	1.43	**5.799**	0.392	0.013
127-G2	1	1	32	64.9	47.7	0.9	0.02	0	30.000*	30.000*	0	1.44	**5.977**	0.41	0.013
127-H1	1	1	32	96.8	70	0.9	0.02	0	30.000*	30.000*	0	1.64	**9.837**	0.871	0.037
127-H2	1	1	32	42.5	32	0.9	0.02	0	30.000*	30.000*	0	1.31	3.861	0.216	0.006
127-N1	1	1	32	118.3	85.1	0.9	0.02	0	30.000*	30.000*	0	1.76	**12.94**	1.334	0.065
128-G1	1	1	32	37	28.2	0.9	0.02	0	30.000*	30.000*	0	1.27	3.418	0.181	0.005
128-G2	1	1	32	68.6	50.3	0.9	0.02	0	30.000*	30.000*	0	1.47	**6.373**	0.451	0.015
128-G3	1	1	32	39.9	30.3	0.9	0.02	0	30.000*	30.000*	0	1.29	3.652	0.199	0.005
128-N1	1	1	32	120.3	86.5	0.9	0.02	0	30.000*	30.000*	0	1.78	**13.244**	1.384	0.068
128-O1	1	1	32	69.2	50.8	0.9	0.02	0	30.000*	30.000*	0	1.47	**6.447**	0.459	0.016
129-H1	1	1	32	297.1	210.3	0.9	0.02	0	30.000*	30.000*	0	2.81	**44.315**	**10.938**	1.288
129-H2	1	1	32	335.8	237.4	0.9	0.02	0	30.000*	30.000*	0	3.02	**50.67**	**14.23**	1.922
130-G1	1	1	32	37.3	28.4	0.9	0.02	0	30.000*	30.000*	0	1.28	3.445	0.183	0.005
130-H1	1	1	32	17.8	14.7	0.9	0.02	0	30.000*	30.000*	0	1.16	2.126	0.092	0.002
130-H2	1	1	32	53.1	39.5	0.9	0.02	0	30.000*	30.000*	0	1.37	4.799	0.297	0.009
131-H1	1	1	32	135.4	97.1	0.9	0.02	0	30.000*	30.000*	0	1.87	**15.626**	1.801	0.098
132-G1	1	1	32	18.4	15.2	0.9	0.02	0	30.000*	30.000*	0	1.16	2.165	0.094	0.002
132-G2	1	1	32	7.5	7.5	0.9	0.02	0	30.000*	30.000*	0	1.09	1.587	0.061	0.001
132-H1	1	1	32	28.6	22.3	0.9	0.02	0	30.000*	30.000*	0	1.22	2.808	0.136	0.003
132-O1	1	1	32	33.2	25.6	0.9	0.02	0	30.000*	30.000*	0	1.25	3.138	0.16	0.004
133-G1	1	1	32	156.6	111.9	0.9	0.02	0	30.000*	30.000*	0	1.99	**19.155**	2.505	0.154
133-H1	1	1	32	107.9	77.8	0.9	0.02	0	30.000*	30.000*	0	1.7	**11.396**	1.094	0.05
134-O1	1	1	32	580.4	408.6	0.9	0.02	0	30.000*	30.000*	0	4.36	**78.648**	**38.492**	**9.808**
135-G1	1	1	32	116.1	83.6	0.9	0.02	0	30.000*	30.000*	0	1.75	**12.605**	1.28	0.061
135-H1	1	1	32	169.3	120.8	0.9	0.02	0	30.000*	30.000*	0	2.07	**21.381**	3.004	0.199
135-O1	1	1	32	113.9	82.1	0.9	0.02	0	30.000*	30.000*	0	1.74	**12.28**	1.229	0.058
136-A1	1	1	32	27.3	21.4	0.9	0.02	0	30.000*	30.000*	0	1.21	2.718	0.13	0.003
136-G1	1	1	32	25	19.8	0.9	0.02	0	30.000*	30.000*	0	1.2	2.569	0.12	0.003
136-H1	1	1	32	34.3	26.4	0.9	0.02	0	30.000*	30.000*	0	1.26	3.221	0.166	0.004
136-O1	1	1	32	204.6	145.5	0.9	0.02	0	30.000*	30.000*	0	2.27	**27.731**	4.67	0.371

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	ABSSoil (%)	ABSDust (%)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
137-O1	1	1	32	180.6	128.7	0.9	0.02	0	30.000*	30.000*	0	2.13	**23.386**	3.491	0.245
137-O2	1	1	32	122	87.7	0.9	0.02	0	30.000*	30.000*	0	1.79	**13.496**	1.426	0.071
138-G1	1	1	32	35.5	27.1	0.9	0.02	0	30.000*	30.000*	0	1.26	3.307	0.173	0.004
138-G2	1	1	32	48.1	36	0.9	0.02	0	30.000*	30.000*	0	1.34	4.345	0.256	0.007
138-H1	1	1	32	28.5	22.3	0.9	0.02	0	30.000*	30.000*	0	1.22	2.804	0.136	0.003
138-O1	1	1	32	24.4	19.4	0.9	0.02	0	30.000*	30.000*	0	1.2	2.531	0.118	0.003
138-O2	1	1	32	45.5	34.1	0.9	0.02	0	30.000*	30.000*	0	1.33	4.115	0.237	0.007
139-G1	1	1	32	46.7	35	0.9	0.02	0	30.000*	30.000*	0	1.33	4.219	0.246	0.007
139-G2	1	1	32	39.6	30	0.9	0.02	0	30.000*	30.000*	0	1.29	3.628	0.197	0.005
139-H1	1	1	32	42.7	32.2	0.9	0.02	0	30.000*	30.000*	0	1.31	3.877	0.217	0.006
139-N1	1	1	32	45.5	34.2	0.9	0.02	0	30.000*	30.000*	0	1.33	4.117	0.237	0.007
140-G1	1	1	32	263	186.4	0.9	0.02	0	30.000*	30.000*	0	2.61	**38.365**	**8.337**	0.859
140-H1	1	1	32	20.2	16.5	0.9	0.02	0	30.000*	30.000*	0	1.17	2.272	0.101	0.002
140-O1	1	1	32	494.1	348.2	0.9	0.02	0	30.000*	30.000*	0	3.9	**71.101**	**29.788**	**6.294**
140-O2	1	1	32	20.2	16.5	0.9	0.02	0	30.000*	30.000*	0	1.17	2.272	0.101	0.002
141-A1	1	1	32	39	29.6	0.9	0.02	0	30.000*	30.000*	0	1.29	3.574	0.193	0.005
141-H1	1	1	32	68.6	50.3	0.9	0.02	0	30.000*	30.000*	0	1.47	**6.381**	0.452	0.015
141-H2	1	1	32	80.4	58.6	0.9	0.02	0	30.000*	30.000*	0	1.54	**7.743**	0.605	0.022
141-H3	1	1	32	65.1	47.9	0.9	0.02	0	30.000*	30.000*	0	1.44	**6.003**	0.413	0.014
141-N1	1	1	32	29.5	22.9	0.9	0.02	0	30.000*	30.000*	0	1.23	2.868	0.141	0.003
141-N2	1	1	32	41.7	31.5	0.9	0.02	0	30.000*	30.000*	0	1.3	3.798	0.211	0.006
141-N3	1	1	32	12.4	11	0.9	0.02	0	30.000*	30.000*	0	1.12	1.835	0.075	0.001
141-N4	1	1	32	38.4	29.1	0.9	0.02	0	30.000*	30.000*	0	1.28	3.527	0.189	0.005
141-O1	1	1	32	43.9	33	0.9	0.02	0	30.000*	30.000*	0	1.32	3.981	0.226	0.006
142-H1	1	1	32	97.6	70.6	0.9	0.02	0	30.000*	30.000*	0	1.64	**9.95**	0.886	0.037
142-O1	1	1	32	69.2	50.7	0.9	0.02	0	30.000*	30.000*	0	1.47	**6.44**	0.458	0.016
143-A1	1	1	32	52	38.7	0.9	0.02	0	30.000*	30.000*	0	1.37	4.697	0.287	0.008
143-G1	1	1	32	65.9	48.5	0.9	0.02	0	30.000*	30.000*	0	1.45	**6.09**	0.422	0.014
143-G2	1	1	32	46.9	35.1	0.9	0.02	0	30.000*	30.000*	0	1.33	4.234	0.247	0.007
143-H1	1	1	32	70.6	51.7	0.9	0.02	0	30.000*	30.000*	0	1.48	**6.599**	0.475	0.016
144-G1	1	1	32	98.6	71.3	0.9	0.02	0	30.000*	30.000*	0	1.65	**10.084**	0.905	0.038
144-H1	1	1	32	140.5	100.7	0.9	0.02	0	30.000*	30.000*	0	1.9	**16.451**	1.956	0.11
145-A1	1	1	32	61.4	45.3	0.9	0.02	0	30.000*	30.000*	0	1.42	**5.614**	0.374	0.012
145-H1	1	1	32	159.9	114.2	0.9	0.02	0	30.000*	30.000*	0	2.01	**19.725**	2.629	0.165
146-H1	1	1	32	1802.4	1264	0.9	0.02	0	30.000*	30.000*	0	9.95	**99.461**	**92.829**	**67.838**
147-G1	1	1	32	59.7	44	0.9	0.02	0	30.000*	30.000*	0	1.41	**5.437**	0.356	0.011
147-G2	1	1	32	85	61.8	0.9	0.02	0	30.000*	30.000*	0	1.56	**8.302**	0.672	0.026
147-H1	1	1	32	83.3	60.6	0.9	0.02	0	30.000*	30.000*	0	1.55	**8.093**	0.646	0.025
148-H1	1	1	32	48.3	36.1	0.9	0.02	0	30.000*	30.000*	0	1.34	4.365	0.258	0.007
148-O1	1	1	32	61.7	45.5	0.9	0.02	0	30.000*	30.000*	0	1.42	**5.643**	0.377	0.012
148-O3	1	1	32	105.2	75.9	0.9	0.02	0	30.000*	30.000*	0	1.69	**11.003**	1.036	0.046
149-A1	1	1	32	46.5	34.8	0.9	0.02	0	30.000*	30.000*	0	1.33	4.202	0.244	0.007
149-G1	1	1	32	49	36.6	0.9	0.02	0	30.000*	30.000*	0	1.35	4.42	0.263	0.008
149-G2	1	1	32	54.4	40.4	0.9	0.02	0	30.000*	30.000*	0	1.38	4.926	0.308	0.009
149-H1	1	1	32	73.2	53.5	0.9	0.02	0	30.000*	30.000*	0	1.49	**6.893**	0.508	0.018
149-N1	1	1	32	34.4	26.4	0.9	0.02	0	30.000*	30.000*	0	1.26	3.225	0.166	0.004
150-G1	1	1	32	43.8	32.9	0.9	0.02	0	30.000*	30.000*	0	1.32	3.966	0.225	0.006
150-H1	1	1	32	37.9	28.9	0.9	0.02	0	30.000*	30.000*	0	1.28	3.495	0.187	0.005
151-H1	1	1	32	101.2	73.2	0.9	0.02	0	30.000*	30.000*	0	1.66	**10.452**	0.956	0.041
152-G1	1	1	32	114	82.1	0.9	0.02	0	30.000*	30.000*	0	1.74	**12.286**	1.23	0.058
152-H1	1	1	32	165.7	118.3	0.9	0.02	0	30.000*	30.000*	0	2.05	**20.751**	2.859	0.185
153-G1	1	1	32	105.6	76.3	0.9	0.02	0	30.000*	30.000*	0	1.69	**11.071**	1.045	0.047
153-H1	1	1	32	282.2	199.9	0.9	0.02	0	30.000*	30.000*	0	2.72	**41.747**	**9.762**	1.086
153-O1	1	1	32	222.5	158.1	0.9	0.02	0	30.000*	30.000*	0	2.38	**31.013**	**5.679**	0.491
153-O2	1	1	32	372.5	263.1	0.9	0.02	0	30.000*	30.000*	0	3.23	**56.226**	**17.614**	2.679
153-O3	1	1	32	220.4	156.6	0.9	0.02	0	30.000*	30.000*	0	2.36	**30.636**	**5.557**	0.476

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	ABSSoil (%)	ABSDust (%)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
153-O5	1	1	32	304.6	215.5	0.9	0.02	0	30.000*	30.000*	0	2.85	**45.575**	**11.546**	1.397
153-O6	1	1	32	101.9	73.6	0.9	0.02	0	30.000*	30.000*	0	1.67	**10.545**	0.97	0.042
153-O7	1	1	32	361	255	0.9	0.02	0	30.000*	30.000*	0	3.17	**54.537**	**16.531**	2.425
153-P1	1	1	32	280.1	198.4	0.9	0.02	0	30.000*	30.000*	0	2.71	**41.374**	**9.598**	1.059
154-G1	1	1	32	21.4	17.3	0.9	0.02	0	30.000*	30.000*	0	1.18	2.341	0.105	0.002
154-H1	1	1	32	21.8	17.5	0.9	0.02	0	30.000*	30.000*	0	1.18	2.366	0.107	0.002
155-G1	1	1	32	139.7	100.1	0.9	0.02	0	30.000*	30.000*	0	1.89	**16.312**	1.929	0.108
155-G2	1	1	32	91.7	66.5	0.9	0.02	0	30.000*	30.000*	0	1.61	**9.164**	0.781	0.032
155-H1	1	1	32	52.4	39	0.9	0.02	0	30.000*	30.000*	0	1.37	4.736	0.291	0.009
155-H2	1	1	32	168.3	120.1	0.9	0.02	0	30.000*	30.000*	0	2.06	**21.193**	2.961	0.195
155-O2	1	1	32	270.9	191.9	0.9	0.02	0	30.000*	30.000*	0	2.66	**39.761**	**8.909**	0.948
156-H1	1	1	32	81.7	59.5	0.9	0.02	0	30.000*	30.000*	0	1.54	**7.896**	0.623	0.023
156-O1	1	1	32	145.8	104.4	0.9	0.02	0	30.000*	30.000*	0	1.93	**17.336**	2.129	0.123
157-G1	1	1	32	41.7	31.5	0.9	0.02	0	30.000*	30.000*	0	1.3	3.792	0.21	0.006
157-H1	1	1	32	92.5	67.1	0.9	0.02	0	30.000*	30.000*	0	1.61	**9.274**	0.796	0.032
157-H2	1	1	32	63.1	46.5	0.9	0.02	0	30.000*	30.000*	0	1.43	**5.791**	0.391	0.013
157-O1	1	1	32	67.1	49.3	0.9	0.02	0	30.000*	30.000*	0	1.46	**6.217**	0.435	0.015
158-H1	1	1	32	33.8	26	0.9	0.02	0	30.000*	30.000*	0	1.25	3.181	0.163	0.004
158-O1	1	1	32	51.2	38.1	0.9	0.02	0	30.000*	30.000*	0	1.36	4.619	0.28	0.008
159-G1	1	1	32	70.3	51.5	0.9	0.02	0	30.000*	30.000*	0	1.48	**6.57**	0.472	0.016
159-H1	1	1	32	59.6	44	0.9	0.02	0	30.000*	30.000*	0	1.41	**5.434**	0.356	0.011
159-H2	1	1	32	101	73	0.9	0.02	0	30.000*	30.000*	0	1.66	**10.413**	0.951	0.041
159-O1	1	1	32	44.3	33.3	0.9	0.02	0	30.000*	30.000*	0	1.32	4.009	0.228	0.006
159-O2	1	1	32	51.2	38.2	0.9	0.02	0	30.000*	30.000*	0	1.36	4.627	0.281	0.008
160-G1	1	1	32	130.4	93.6	0.9	0.02	0	30.000*	30.000*	0	1.84	**14.814**	1.653	0.087
160-H1	1	1	32	80.3	58.5	0.9	0.02	0	30.000*	30.000*	0	1.54	**7.722**	0.602	0.022
160-H2	1	1	32	75.1	54.8	0.9	0.02	0	30.000*	30.000*	0	1.5	**7.106**	0.531	0.019
161-H1	1	1	32	129.6	93	0.9	0.02	0	30.000*	30.000*	0	1.83	**14.68**	1.63	0.085
161-N1	1	1	32	100.7	72.8	0.9	0.02	0	30.000*	30.000*	0	1.66	**10.374**	0.945	0.041
162-H1	1	1	32	80.7	58.8	0.9	0.02	0	30.000*	30.000*	0	1.54	**7.781**	0.609	0.023
163-G1	1	1	32	53	39.4	0.9	0.02	0	30.000*	30.000*	0	1.37	4.791	0.296	0.009
163-O1	1	1	32	71	52	0.9	0.02	0	30.000*	30.000*	0	1.48	**6.646**	0.481	0.017
164-H1	1	1	32	130.1	93.4	0.9	0.02	0	30.000*	30.000*	0	1.83	**14.77**	1.645	0.086
165-H1	1	1	32	13.2	11.6	0.9	0.02	0	30.000*	30.000*	0	1.13	1.877	0.077	0.002
165-O1	1	1	32	62.6	46.2	0.9	0.02	0	30.000*	30.000*	0	1.43	**5.743**	0.387	0.012
166-O1	1	1	32	254.2	180.2	0.9	0.02	0	30.000*	30.000*	0	2.56	**36.776**	**7.713**	0.766
167-O1	1	1	32	99.3	71.8	0.9	0.02	0	30.000*	30.000*	0	1.65	**10.181**	0.918	0.039
167-O2	1	1	32	154.5	110.5	0.9	0.02	0	30.000*	30.000*	0	1.98	**18.808**	2.431	0.148
167-O3	1	1	32	223.8	158.9	0.9	0.02	0	30.000*	30.000*	0	2.38	**31.249**	**5.755**	0.5
167-O4	1	1	32	175.9	125.4	0.9	0.02	0	30.000*	30.000*	0	2.1	**22.546**	3.283	0.225
167-O5	1	1	32	224.2	159.2	0.9	0.02	0	30.000*	30.000*	0	2.39	**31.324**	**5.78**	0.503
167-O6	1	1	32	246.5	174.9	0.9	0.02	0	30.000*	30.000*	0	2.52	**35.39**	**7.192**	0.691
167-O7	1	1	32	397.1	280.3	0.9	0.02	0	30.000*	30.000*	0	3.37	**59.671**	**19.989**	3.274
167-O8	1	1	32	205.3	146	0.9	0.02	0	30.000*	30.000*	0	2.28	**27.861**	4.708	0.375
167-O9	1	1	32	196.9	140.1	0.9	0.02	0	30.000*	30.000*	0	2.23	**26.327**	4.27	0.326
168-G1	1	1	32	37.5	28.6	0.9	0.02	0	30.000*	30.000*	0	1.28	3.462	0.184	0.005
168-G2	1	1	32	38	28.9	0.9	0.02	0	30.000*	30.000*	0	1.28	3.502	0.187	0.005
168-H1	1	1	32	28.8	22.4	0.9	0.02	0	30.000*	30.000*	0	1.22	2.821	0.137	0.003
168-N1	1	1	32	32.7	25.2	0.9	0.02	0	30.000*	30.000*	0	1.25	3.101	0.157	0.004
168-O1	1	1	32	48.2	36	0.9	0.02	0	30.000*	30.000*	0	1.34	4.353	0.257	0.007
169-G2	1	1	32	36.5	27.9	0.9	0.02	0	30.000*	30.000*	0	1.27	3.384	0.178	0.005
169-G3	1	1	32	54.8	40.6	0.9	0.02	0	30.000*	30.000*	0	1.38	4.958	0.311	0.009
169-G4	1	1	32	52.3	38.9	0.9	0.02	0	30.000*	30.000*	0	1.37	4.72	0.289	0.009
169-H1	1	1	32	41.5	31.3	0.9	0.02	0	30.000*	30.000*	0	1.3	3.778	0.209	0.006
170-G1	1	1	32	47.3	35.4	0.9	0.02	0	30.000*	30.000*	0	1.34	4.271	0.25	0.007
170-G2	1	1	32	116.9	84.2	0.9	0.02	0	30.000*	30.000*	0	1.76	**12.728**	1.3	0.063

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	ABSSoil (%)	ABSDust (%)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
170-H1	1	1	32	77	56.2	0.9	0.02	0	30.000*	30.000*	0	1.52	**7.339**	0.558	0.02
171-A1	1	1	32	155.6	111.3	0.9	0.02	0	30.000*	30.000*	0	1.99	**18.999**	2.472	0.151
171-G1	1	1	32	240.6	170.7	0.9	0.02	0	30.000*	30.000*	0	2.48	**34.321**	**6.804**	0.638
171-H1	1	1	32	233.5	165.7	0.9	0.02	0	30.000*	30.000*	0	2.44	**33.022**	**6.349**	0.577
173-G1	1	1	32	49.2	36.8	0.9	0.02	0	30.000*	30.000*	0	1.35	4.443	0.265	0.008
173-G2	1	1	32	17	14.2	0.9	0.02	0	30.000*	30.000*	0	1.15	2.083	0.089	0.002
173-G3	1	1	32	86.7	63	0.9	0.02	0	30.000*	30.000*	0	1.57	**8.514**	0.698	0.027
173-G4	1	1	32	120.3	86.5	0.9	0.02	0	30.000*	30.000*	0	1.78	**13.239**	1.383	0.068
173-G5	1	1	32	26.1	20.6	0.9	0.02	0	30.000*	30.000*	0	1.21	2.64	0.125	0.003
173-H1	1	1	32	136.6	97.9	0.9	0.02	0	30.000*	30.000*	0	1.87	**15.807**	1.834	0.1
173-P1	1	1	32	175	124.8	0.9	0.02	0	30.000*	30.000*	0	2.1	**22.385**	3.244	0.221
174-A1	1	1	32	71.9	52.7	0.9	0.02	0	30.000*	30.000*	0	1.49	**6.749**	0.492	0.017
174-G1	1	1	32	78.9	57.5	0.9	0.02	0	30.000*	30.000*	0	1.53	**7.561**	0.583	0.021
174-H1	1	1	32	179.5	127.9	0.9	0.02	0	30.000*	30.000*	0	2.13	**23.186**	3.441	0.24
175-G1	1	1	32	77.2	56.4	0.9	0.02	0	30.000*	30.000*	0	1.52	**7.361**	0.56	0.02
175-G2	1	1	32	26.8	21	0.9	0.02	0	30.000*	30.000*	0	1.21	2.687	0.128	0.003
175-H1	1	1	32	75.5	55.1	0.9	0.02	0	30.000*	30.000*	0	1.51	**7.155**	0.537	0.019
176-A1	1	1	32	39.3	29.8	0.9	0.02	0	30.000*	30.000*	0	1.29	3.601	0.195	0.005
176-H1	1	1	32	50.3	37.5	0.9	0.02	0	30.000*	30.000*	0	1.36	4.542	0.274	0.008
176-H2	1	1	32	29	22.6	0.9	0.02	0	30.000*	30.000*	0	1.23	2.839	0.139	0.003
176-P1	1	1	32	39	29.6	0.9	0.02	0	30.000*	30.000*	0	1.29	3.581	0.194	0.005
178-H1	1	1	32	29.1	22.7	0.9	0.02	0	30.000*	30.000*	0	1.23	2.845	0.139	0.003
179-H1	1	1	32	82.9	60.3	0.9	0.02	0	30.000*	30.000*	0	1.55	**8.048**	0.641	0.024
180-H1	1	1	32	421.7	297.5	0.9	0.02	0	30.000*	30.000*	0	3.5	**62.893**	**22.427**	3.939
180-H2	1	1	32	20.2	16.5	0.9	0.02	0	30.000*	30.000*	0	1.17	2.272	0.101	0.002
180-O1	1	1	32	479.9	338.2	0.9	0.02	0	30.000*	30.000*	0	3.82	**69.635**	**28.334**	**5.787**
181-A1	1	1	32	106.1	76.6	0.9	0.02	0	30.000*	30.000*	0	1.69	**11.132**	1.054	0.047
181-G1	1	1	32	48.7	36.4	0.9	0.02	0	30.000*	30.000*	0	1.35	4.394	0.261	0.007
181-G2	1	1	32	112.3	80.9	0.9	0.02	0	30.000*	30.000*	0	1.73	**12.033**	1.191	0.056
181-H1	1	1	32	121.4	87.3	0.9	0.02	0	30.000*	30.000*	0	1.78	**13.406**	1.411	0.07
181-H2	1	1	32	115	82.8	0.9	0.02	0	30.000*	30.000*	0	1.74	**12.438**	1.254	0.06
181-N1	1	1	32	126.7	91	0.9	0.02	0	30.000*	30.000*	0	1.81	**14.234**	1.551	0.08
181-N2	1	1	32	138.4	99.2	0.9	0.02	0	30.000*	30.000*	0	1.88	**16.113**	1.891	0.105
181-O1	1	1	32	57.3	42.4	0.9	0.02	0	30.000*	30.000*	0	1.4	**5.203**	0.334	0.01
182-G1	1	1	32	199.4	141.9	0.9	0.02	0	30.000*	30.000*	0	2.24	**26.786**	4.399	0.34
182-G2	1	1	32	179.8	128.2	0.9	0.02	0	30.000*	30.000*	0	2.13	**23.243**	3.455	0.242
182-H1	1	1	32	138.6	99.3	0.9	0.02	0	30.000*	30.000*	0	1.88	**16.132**	1.895	0.105
182-H2	1	1	32	133.8	95.9	0.9	0.02	0	30.000*	30.000*	0	1.86	**15.354**	1.751	0.094
182-O1	1	1	32	110.2	79.4	0.9	0.02	0	30.000*	30.000*	0	1.72	**11.73**	1.144	0.053
182-O2	1	1	32	186	132.5	0.9	0.02	0	30.000*	30.000*	0	2.16	**24.352**	3.738	0.27
182-O3	1	1	32	178.6	127.3	0.9	0.02	0	30.000*	30.000*	0	2.12	**23.036**	3.404	0.237
184-H1	1	1	32	188.9	134.5	0.9	0.02	0	30.000*	30.000*	0	2.18	**24.871**	3.875	0.284
185-A1	1	1	32	33.8	26	0.9	0.02	0	30.000*	30.000*	0	1.25	3.183	0.163	0.004
185-H1	1	1	32	32.6	25.1	0.9	0.02	0	30.000*	30.000*	0	1.25	3.089	0.156	0.004
186-O1	1	1	32	350	247.3	0.9	0.02	0	30.000*	30.000*	0	3.1	**52.874**	**15.511**	2.196
187-H1	1	1	32	107.5	77.6	0.9	0.02	0	30.000*	30.000*	0	1.7	**11.337**	1.085	0.049
188-A1	1	1	32	78.2	57.1	0.9	0.02	0	30.000*	30.000*	0	1.52	**7.481**	0.574	0.021
188-G1	1	1	32	116.9	84.2	0.9	0.02	0	30.000*	30.000*	0	1.76	**12.728**	1.3	0.063
188-G2	1	1	32	122	87.7	0.9	0.02	0	30.000*	30.000*	0	1.79	**13.496**	1.426	0.071
188-G3	1	1	32	61.7	45.5	0.9	0.02	0	30.000*	30.000*	0	1.42	**5.643**	0.377	0.012
188-H1	1	1	32	39	29.6	0.9	0.02	0	30.000*	30.000*	0	1.29	3.581	0.194	0.005
188-P1	1	1	32	56.6	41.9	0.9	0.02	0	30.000*	30.000*	0	1.39	**5.137**	0.328	0.01
189-G1	1	1	32	44	33.1	0.9	0.02	0	30.000*	30.000*	0	1.32	3.988	0.226	0.006
189-H1	1	1	32	76.3	55.7	0.9	0.02	0	30.000*	30.000*	0	1.51	**7.253**	0.548	0.02
189-H2	1	1	32	103.5	74.7	0.9	0.02	0	30.000*	30.000*	0	1.68	**10.765**	1.001	0.044
189-O1	1	1	32	119.8	86.2	0.9	0.02	0	30.000*	30.000*	0	1.77	**13.163**	1.371	0.067

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	ABSSoil (%)	ABSDust (%)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
190-G1	1	1	32	18.3	15.1	0.9	0.02	0	30.000*	30.000*	0	1.16	2.155	0.094	0.002
190-H1	1	1	32	41.5	31.3	0.9	0.02	0	30.000*	30.000*	0	1.3	3.775	0.209	0.006
190-N1	1	1	32	26.9	21.1	0.9	0.02	0	30.000*	30.000*	0	1.21	2.696	0.129	0.003
190-N2	1	1	32	24.4	19.4	0.9	0.02	0	30.000*	30.000*	0	1.2	2.531	0.118	0.003
190-N3	1	1	32	21	17	0.9	0.02	0	30.000*	30.000*	0	1.18	2.315	0.104	0.002
190-O1	1	1	32	62.8	46.2	0.9	0.02	0	30.000*	30.000*	0	1.43	**5.755**	0.388	0.012
191-H1	1	1	32	211.2	150.1	0.9	0.02	0	30.000*	30.000*	0	2.31	**28.938**	**5.029**	0.412
192-A1	1	1	32	37.4	28.5	0.9	0.02	0	30.000*	30.000*	0	1.28	3.456	0.184	0.005
192-G1	1	1	32	28.4	22.2	0.9	0.02	0	30.000*	30.000*	0	1.22	2.799	0.136	0.003
192-H1	1	1	32	34	26.1	0.9	0.02	0	30.000*	30.000*	0	1.26	3.192	0.164	0.004
193-G1	1	1	32	18.6	15.3	0.9	0.02	0	30.000*	30.000*	0	1.16	2.175	0.095	0.002
193-H1	1	1	32	21.4	17.3	0.9	0.02	0	30.000*	30.000*	0	1.18	2.343	0.105	0.002
194-H1	1	1	32	27.5	21.5	0.9	0.02	0	30.000*	30.000*	0	1.22	2.732	0.131	0.003
194-N1	1	1	32	34.2	26.2	0.9	0.02	0	30.000*	30.000*	0	1.26	3.206	0.165	0.004
195-G1	1	1	32	77.8	56.8	0.9	0.02	0	30.000*	30.000*	0	1.52	**7.431**	0.568	0.021
195-G2	1	1	32	154.8	110.7	0.9	0.02	0	30.000*	30.000*	0	1.98	**18.855**	2.441	0.149
195-O1	1	1	32	195.5	139.1	0.9	0.02	0	30.000*	30.000*	0	2.22	**26.073**	4.2	0.319
196-A1	1	1	32	57.5	42.5	0.9	0.02	0	30.000*	30.000*	0	1.4	**5.219**	0.336	0.01
196-A2	1	1	32	68.7	50.4	0.9	0.02	0	30.000*	30.000*	0	1.47	**6.385**	0.453	0.015
196-G1	1	1	32	47.7	35.7	0.9	0.02	0	30.000*	30.000*	0	1.34	4.308	0.253	0.007
196-O1	1	1	32	69	50.6	0.9	0.02	0	30.000*	30.000*	0	1.47	**6.418**	0.456	0.015
197-H1	1	1	32	140.9	100.9	0.9	0.02	0	30.000*	30.000*	0	1.9	**16.519**	1.969	0.111
198-G1	1	1	32	78.3	57.1	0.9	0.02	0	30.000*	30.000*	0	1.52	**7.493**	0.575	0.021
198-H1	1	1	32	168.3	120.1	0.9	0.02	0	30.000*	30.000*	0	2.06	**21.193**	2.961	0.195
199-G1	1	1	32	14.7	12.6	0.9	0.02	0	30.000*	30.000*	0	1.14	1.957	0.082	0.002
199-O1	1	1	32	26.5	20.8	0.9	0.02	0	30.000*	30.000*	0	1.21	2.666	0.127	0.003
200-G1	1	1	32	29.9	23.2	0.9	0.02	0	30.000*	30.000*	0	1.23	2.897	0.143	0.003
200-H1	1	1	32	29.1	22.7	0.9	0.02	0	30.000*	30.000*	0	1.23	2.845	0.139	0.003
200-O1	1	1	32	27.7	21.7	0.9	0.02	0	30.000*	30.000*	0	1.22	2.747	0.132	0.003
201-O1	1	1	32	324.8	229.7	0.9	0.02	0	30.000*	30.000*	0	2.96	**48.911**	**13.261**	1.725
202-H1	1	1	32	173.3	123.6	0.9	0.02	0	30.000*	30.000*	0	2.09	**22.086**	3.172	0.214
202-N1	1	1	32	57.9	42.8	0.9	0.02	0	30.000*	30.000*	0	1.4	**5.261**	0.34	0.01
202-O1	1	1	32	137	98.2	0.9	0.02	0	30.000*	30.000*	0	1.88	**15.875**	1.847	0.101
203-H1	1	1	32	20.2	16.5	0.9	0.02	0	30.000*	30.000*	0	1.17	2.272	0.101	0.002
203-O1	1	1	32	20.2	16.5	0.9	0.02	0	30.000*	30.000*	0	1.17	2.272	0.101	0.002
203-O2	1	1	32	479.2	337.8	0.9	0.02	0	30.000*	30.000*	0	3.82	**69.561**	**28.263**	**5.762**
205-O1	1	1	32	507.3	357.4	0.9	0.02	0	30.000*	30.000*	0	3.97	**72.396**	**31.129**	**6.782**
206-A1	1	1	32	116.1	83.6	0.9	0.02	0	30.000*	30.000*	0	1.75	**12.601**	1.28	0.061
206-G1	1	1	32	50.4	37.6	0.9	0.02	0	30.000*	30.000*	0	1.36	4.55	0.274	0.008
206-H1	1	1	32	18	14.9	0.9	0.02	0	30.000*	30.000*	0	1.16	2.139	0.093	0.002
206-H2	1	1	32	285	201.8	0.9	0.02	0	30.000*	30.000*	0	2.74	**42.225**	**9.975**	1.122
206-O1	1	1	32	252.4	179	0.9	0.02	0	30.000*	30.000*	0	2.55	**36.456**	**7.591**	0.748
207-O1	1	1	32	110.8	79.9	0.9	0.02	0	30.000*	30.000*	0	1.72	**11.819**	1.158	0.054
208-H1	1	1	32	264.1	187.2	0.9	0.02	0	30.000*	30.000*	0	2.62	**38.554**	**8.413**	0.871
209-G1	1	1	32	238.7	169.4	0.9	0.02	0	30.000*	30.000*	0	2.47	**33.967**	**6.678**	0.621
209-H1	1	1	32	391.9	276.6	0.9	0.02	0	30.000*	30.000*	0	3.34	**58.961**	**19.481**	3.142
209-P1	1	1	32	517.6	364.6	0.9	0.02	0	30.000*	30.000*	0	4.02	**73.374**	**32.179**	**7.178**
210-H1	1	1	32	113.6	81.8	0.9	0.02	0	30.000*	30.000*	0	1.74	**12.222**	1.22	0.058
210-O1	1	1	32	127.9	91.8	0.9	0.02	0	30.000*	30.000*	0	1.82	**14.415**	1.583	0.082
211-A1	1	1	32	71.8	52.6	0.9	0.02	0	30.000*	30.000*	0	1.49	**6.74**	0.491	0.017
211-G1	1	1	32	38.6	29.3	0.9	0.02	0	30.000*	30.000*	0	1.28	3.548	0.191	0.005
211-G2	1	1	32	44.7	33.6	0.9	0.02	0	30.000*	30.000*	0	1.32	4.045	0.231	0.006
211-H1	1	1	32	70.7	51.8	0.9	0.02	0	30.000*	30.000*	0	1.48	**6.608**	0.476	0.016
211-O1	1	1	32	127.3	91.4	0.9	0.02	0	30.000*	30.000*	0	1.82	**14.326**	1.567	0.081
212-H1	1	1	32	188.5	134.2	0.9	0.02	0	30.000*	30.000*	0	2.18	**24.803**	3.857	0.282
212-H2	1	1	32	149.1	106.7	0.9	0.02	0	30.000*	30.000*	0	1.95	**17.893**	2.241	0.132

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	ABSSoil (%)	ABSDust (%)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
213-O1	1	1	32	35.5	27.1	0.9	0.02	0	30.000*	30.000*	0	1.26	3.304	0.172	0.004
213-O2	1	1	32	84.3	61.3	0.9	0.02	0	30.000*	30.000*	0	1.56	**8.223**	0.662	0.025
213-O3	1	1	32	57.5	42.5	0.9	0.02	0	30.000*	30.000*	0	1.4	**5.224**	0.336	0.01
801-O1	1	1	32	28.9	22.5	0.9	0.02	0	30.000*	30.000*	0	1.22	2.831	0.138	0.003
801-O2	1	1	32	14.9	12.8	0.9	0.02	0	30.000*	30.000*	0	1.14	1.969	0.082	0.002
801-O3	1	1	32	31.1	24.1	0.9	0.02	0	30.000*	30.000*	0	1.24	2.986	0.149	0.004
802-O1	1	1	32	150.3	107.5	0.9	0.02	0	30.000*	30.000*	0	1.95	**18.091**	2.282	0.136
803-O1	1	1	32	446.5	314.8	0.9	0.02	0	30.000*	30.000*	0	3.64	**65.907**	**24.923**	4.678
803-O2	1	1	32	314.6	222.6	0.9	0.02	0	30.000*	30.000*	0	2.9	**47.254**	**12.389**	1.555
803-O3	1	1	32	234.7	166.6	0.9	0.02	0	30.000*	30.000*	0	2.45	**33.249**	**6.427**	0.587
804-O1	1	1	32	102.1	73.8	0.9	0.02	0	30.000*	30.000*	0	1.67	**10.569**	0.973	0.042
804-O2	1	1	32	254.1	180.1	0.9	0.02	0	30.000*	30.000*	0	2.56	**36.758**	**7.706**	0.765
805-O1	1	1	32	38.2	29	0.9	0.02	0	30.000*	30.000*	0	1.28	3.515	0.188	0.005
805-O2	1	1	32	45.5	34.1	0.9	0.02	0	30.000*	30.000*	0	1.33	4.115	0.237	0.007
806-O1	1	1	32	28.4	22.1	0.9	0.02	0	30.000*	30.000*	0	1.22	2.793	0.135	0.003
806-O2	1	1	32	29.6	23	0.9	0.02	0	30.000*	30.000*	0	1.23	2.879	0.141	0.003
806-O3	1	1	32	50.7	37.8	0.9	0.02	0	30.000*	30.000*	0	1.36	4.573	0.276	0.008
806-O4	1	1	32	36.9	28.1	0.9	0.02	0	30.000*	30.000*	0	1.27	3.416	0.181	0.005
806-O5	1	1	32	37.3	28.5	0.9	0.02	0	30.000*	30.000*	0	1.28	3.449	0.183	0.005
807-O1	1	1	32	29	22.6	0.9	0.02	0	30.000*	30.000*	0	1.23	2.841	0.139	0.003
808-O1	1	1	32	33.7	25.9	0.9	0.02	0	30.000*	30.000*	0	1.25	3.175	0.163	0.004
808-O2	1	1	32	35.8	27.4	0.9	0.02	0	30.000*	30.000*	0	1.27	3.333	0.175	0.004
203-O3	1	1	32	20.2	16.5	0.9	0.02	0	30.000*	30.000*	0	1.17	2.272	0.101	0.002
203-O4	1	1	32	20.2	16.5	0.9	0.02	0	30.000*	30.000*	0	1.17	2.272	0.101	0.002

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Future Resident, Burbot
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 03`06`2020 BUR.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-001	0	0	32	354.1	250.1	0.9	0.02	0.09	0	3.14	**53.887**	**16.127**	2.334
ADA-002	0	0	32	60.4	44.5	0.9	0.02	0.09	0	1.43	**5.777**	0.39	0.013
ADA-004	0	0	32	161.4	115.3	0.9	0.02	0.09	0	2.04	**20.453**	2.791	0.179
ADA-005	0	0	32	84.7	61.6	0.9	0.02	0.09	0	1.58	**8.596**	0.708	0.028
ADA-006	0	0	32	294.8	208.6	0.9	0.02	0.09	0	2.81	**44.362**	**10.96**	1.292
ADA-008	0	0	32	347.4	245.5	0.9	0.02	0.09	0	3.1	**52.881**	**15.516**	2.197
ADA-010	0	0	32	526.4	370.8	0.9	0.02	0.09	0	4.08	**74.423**	**33.345**	**7.63**
ADA-015	0	0	32	175.5	125.1	0.9	0.02	0.09	0	2.12	**22.935**	3.379	0.234
ADA-016	0	0	32	258.6	183.3	0.9	0.02	0.09	0	2.6	**38.041**	**8.207**	0.84
ADA-017	0	0	32	290.1	205.4	0.9	0.02	0.09	0	2.78	**43.563**	**10.585**	1.226
ADA-018	0	0	32	526.4	370.8	0.9	0.02	0.09	0	4.08	**74.423**	**33.345**	**7.63**
ADA-019	0	0	32	114.4	82.4	0.9	0.02	0.09	0	1.76	**12.738**	1.302	0.063
ADA-020	0	0	32	104.2	75.2	0.9	0.02	0.09	0	1.7	**11.236**	1.07	0.048
ADA-021	0	0	32	106.8	77.1	0.9	0.02	0.09	0	1.71	**11.613**	1.126	0.052
ADA-023	0	0	32	177	126.2	0.9	0.02	0.09	0	2.13	**23.214**	3.448	0.241
ADA-024	0	0	32	510	359.3	0.9	0.02	0.09	0	4	**72.911**	**31.678**	**6.988**
ADA-025	0	0	32	243.3	172.6	0.9	0.02	0.09	0	2.51	**35.285**	**7.153**	0.686
ADA-026	0	0	32	84.2	61.3	0.9	0.02	0.09	0	1.58	**8.537**	0.701	0.027
ADA-028	0	0	32	242.1	171.8	0.9	0.02	0.09	0	2.51	**35.073**	**7.075**	0.675
ADA-033	0	0	32	88.7	64.4	0.9	0.02	0.09	0	1.6	**9.108**	0.774	0.031
ADA-034	0	0	32	76.5	55.8	0.9	0.02	0.09	0	1.53	**7.585**	0.586	0.022
ADA-035	0	0	32	215.3	153	0.9	0.02	0.09	0	2.35	**30.177**	**5.412**	0.458
ADA-039	0	0	32	41.2	31.1	0.9	0.02	0.09	0	1.32	3.969	0.225	0.006
ADA-042	0	0	32	95.2	69	0.9	0.02	0.09	0	1.64	**9.983**	0.891	0.038
ADA-043	0	0	32	180.1	128.4	0.9	0.02	0.09	0	2.15	**23.773**	3.589	0.255
ADA-044	0	0	32	164.9	117.8	0.9	0.02	0.09	0	2.06	**21.068**	2.932	0.192
ADA-045	0	0	32	379	267.6	0.9	0.02	0.09	0	3.28	**57.529**	**18.486**	2.891
ADA-046	0	0	32	210.6	149.7	0.9	0.02	0.09	0	2.32	**29.305**	**5.141**	0.425
ADA-047	0	0	32	325.6	230.2	0.9	0.02	0.09	0	2.98	**49.457**	**13.557**	1.784
ADA-048	0	0	32	143.6	102.8	0.9	0.02	0.09	0	1.93	**17.39**	2.14	0.124
ADA-049	0	0	32	53.7	39.9	0.9	0.02	0.09	0	1.39	**5.106**	0.325	0.01

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-050	0	0	32	429.3	302.8	0.9	0.02	0.09	0	3.56	**64.164**	**23.453**	4.235
ADA-051	0	0	32	122.8	88.3	0.9	0.02	0.09	0	1.81	**14.031**	1.516	0.077
ADA-052	0	0	32	412.9	291.4	0.9	0.02	0.09	0	3.47	**62.107**	**21.812**	3.766
ADA-053	0	0	32	102.7	74.2	0.9	0.02	0.09	0	1.69	**11.025**	1.039	0.046
ADA-054	0	0	32	501.9	353.6	0.9	0.02	0.09	0	3.95	**72.125**	**30.843**	**6.677**
ADA-055	0	0	32	209.8	149.1	0.9	0.02	0.09	0	2.32	**29.162**	**5.097**	0.42
ADA-056	0	0	32	84.6	61.5	0.9	0.02	0.09	0	1.58	**8.581**	0.707	0.028
ADA-057	0	0	32	132.4	95	0.9	0.02	0.09	0	1.86	**15.551**	1.787	0.097
ADA-058	0	0	32	93.5	67.7	0.9	0.02	0.09	0	1.63	**9.745**	0.858	0.036
ADA-059	0	0	32	143.3	102.6	0.9	0.02	0.09	0	1.93	**17.349**	2.131	0.123
ADA-060	0	0	32	474.5	334.5	0.9	0.02	0.09	0	3.8	**69.342**	**28.052**	**5.691**
ADA-061	0	0	32	123.9	89	0.9	0.02	0.09	0	1.81	**14.202**	1.546	0.079
ADA-062	0	0	32	346.3	244.7	0.9	0.02	0.09	0	3.1	**52.702**	**15.408**	2.174
ADA-063	0	0	32	145.1	103.8	0.9	0.02	0.09	0	1.94	**17.644**	2.191	0.128
ADA-064	0	0	32	166.1	118.6	0.9	0.02	0.09	0	2.06	**21.274**	2.98	0.196
ADA-065	0	0	32	382.5	270.1	0.9	0.02	0.09	0	3.3	**58.023**	**18.825**	2.976
ADA-066	0	0	32	167.3	119.4	0.9	0.02	0.09	0	2.07	**21.481**	3.028	0.201
ADA-067	0	0	32	106.8	77.1	0.9	0.02	0.09	0	1.71	**11.613**	1.126	0.052
ADA-070	0	0	32	243.3	172.6	0.9	0.02	0.09	0	2.51	**35.285**	**7.153**	0.686
ADA-071	0	0	32	274.9	194.7	0.9	0.02	0.09	0	2.69	**40.925**	**9.403**	1.027
ADA-073	0	0	32	310	219.3	0.9	0.02	0.09	0	2.89	**46.916**	**12.217**	1.522
ADA-076	0	0	32	285.7	202.3	0.9	0.02	0.09	0	2.75	**42.805**	**10.237**	1.166
ADA-078	0	0	32	255	180.8	0.9	0.02	0.09	0	2.58	**37.396**	**7.953**	0.801
ADA-079	0	0	32	149.7	107.1	0.9	0.02	0.09	0	1.97	**18.434**	2.353	0.141
ADA-081	0	0	32	186.8	133.1	0.9	0.02	0.09	0	2.18	**24.978**	3.903	0.287
ADA-082	0	0	32	197.7	140.7	0.9	0.02	0.09	0	2.25	**26.953**	4.446	0.346
ADA-084	0	0	32	184.8	131.7	0.9	0.02	0.09	0	2.17	**24.617**	3.808	0.277
ADA-085	0	0	32	146.2	104.7	0.9	0.02	0.09	0	1.95	**17.841**	2.231	0.131
ADA-088	0	0	32	325.2	229.9	0.9	0.02	0.09	0	2.98	**49.397**	**13.523**	1.778
ADA-089	0	0	32	328.7	232.4	0.9	0.02	0.09	0	3	**49.958**	**13.832**	1.84
ADA-090	0	0	32	252.7	179.2	0.9	0.02	0.09	0	2.57	**36.975**	**7.79**	0.777
ADA-091	0	0	32	280.8	198.8	0.9	0.02	0.09	0	2.73	**41.947**	**9.851**	1.101
ADA-092	0	0	32	223.4	158.7	0.9	0.02	0.09	0	2.4	**31.661**	**5.89**	0.517
ADA-093	0	0	32	181.3	129.2	0.9	0.02	0.09	0	2.15	**23.983**	3.643	0.261
ADA-094	0	0	32	99.7	72.1	0.9	0.02	0.09	0	1.67	**10.596**	0.977	0.043
ADA-095	0	0	32	163.8	116.9	0.9	0.02	0.09	0	2.05	**20.863**	2.884	0.188
ADA-096	0	0	32	364.2	257.2	0.9	0.02	0.09	0	3.2	**55.39**	**17.072**	2.551
ADA-097	0	0	32	533.4	375.7	0.9	0.02	0.09	0	4.12	**75.045**	**34.056**	**7.913**
ADA-099	0	0	32	257.4	182.4	0.9	0.02	0.09	0	2.59	**37.815**	**8.118**	0.826
ADA-101	0	0	32	224.6	159.5	0.9	0.02	0.09	0	2.4	**31.875**	**5.961**	0.526
ADA-102	0	0	32	126.3	90.7	0.9	0.02	0.09	0	1.83	**14.584**	1.612	0.084
ADA-103	0	0	32	173.1	123.5	0.9	0.02	0.09	0	2.1	**22.517**	3.276	0.224
ADA-104	0	0	32	79.4	57.9	0.9	0.02	0.09	0	1.55	**7.939**	0.628	0.024
ADA-105	0	0	32	226.9	161.2	0.9	0.02	0.09	0	2.42	**32.303**	**6.104**	0.545
ADA-106	0	0	32	79.7	58.1	0.9	0.02	0.09	0	1.55	**7.967**	0.631	0.024
ADA-107	0	0	32	147.4	105.5	0.9	0.02	0.09	0	1.95	**18.039**	2.271	0.135
ADA-108	0	0	32	226.6	160.9	0.9	0.02	0.09	0	2.42	**32.232**	**6.08**	0.542
ADA-109	0	0	32	379	267.6	0.9	0.02	0.09	0	3.28	**57.529**	**18.486**	2.891

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-110	0	0	32	265.5	188.2	0.9	0.02	0.09	0	2.64	**39.275**	**8.707**	0.916
ADA-111	0	0	32	119.3	85.8	0.9	0.02	0.09	0	1.79	**13.487**	1.424	0.071
ADA-112	0	0	32	102.6	74.1	0.9	0.02	0.09	0	1.69	**11.008**	1.036	0.046
ADA-113	0	0	32	162.6	116.1	0.9	0.02	0.09	0	2.04	**20.657**	2.838	0.184
ADA-114	0	0	32	114.2	82.2	0.9	0.02	0.09	0	1.76	**12.703**	1.296	0.062
ADA-115	0	0	32	142.7	102.2	0.9	0.02	0.09	0	1.92	**17.251**	2.112	0.122
ADA-116	0	0	32	112.4	81	0.9	0.02	0.09	0	1.74	**12.44**	1.254	0.06
ADA-117	0	0	32	193	137.4	0.9	0.02	0.09	0	2.22	**26.101**	4.207	0.319
ADA-118	0	0	32	190.7	135.8	0.9	0.02	0.09	0	2.21	**25.675**	4.091	0.307
ADA-119	0	0	32	205.9	146.4	0.9	0.02	0.09	0	2.3	**28.449**	4.882	0.395
ADA-121	0	0	32	238.6	169.4	0.9	0.02	0.09	0	2.49	**34.436**	**6.845**	0.643
ADA-122	0	0	32	57.1	42.3	0.9	0.02	0.09	0	1.41	**5.442**	0.357	0.011
ADA-124	0	0	32	176.3	125.7	0.9	0.02	0.09	0	2.12	**23.075**	3.413	0.238
ADA-125	0	0	32	150.9	107.9	0.9	0.02	0.09	0	1.97	**18.629**	2.394	0.145
ADA-126	0	0	32	427.4	301.5	0.9	0.02	0.09	0	3.55	**63.933**	**23.264**	4.18
ADA-127	0	0	32	212.9	151.3	0.9	0.02	0.09	0	2.34	**29.733**	**5.273**	0.441
ADA-128	0	0	32	362.6	256.1	0.9	0.02	0.09	0	3.19	**55.165**	**16.928**	2.517
ADA-131	0	0	32	384.9	271.7	0.9	0.02	0.09	0	3.31	**58.349**	**19.051**	3.033
ADA-132	0	0	32	170.8	121.8	0.9	0.02	0.09	0	2.09	**22.101**	3.175	0.215
ADA-133	0	0	32	338.1	238.9	0.9	0.02	0.09	0	3.05	**51.435**	**14.666**	2.014
ADA-135	0	0	32	140.4	100.6	0.9	0.02	0.09	0	1.91	**16.861**	2.035	0.116
ADA-136	0	0	32	384.9	271.7	0.9	0.02	0.09	0	3.31	**58.349**	**19.051**	3.033
ADA-139	0	0	32	221.1	157.1	0.9	0.02	0.09	0	2.38	**31.232**	**5.75**	0.5
ADA-140	0	0	32	556.8	392.1	0.9	0.02	0.09	0	4.25	**77.015**	**36.41**	**8.891**
ADA-141	0	0	32	190.7	135.8	0.9	0.02	0.09	0	2.21	**25.675**	4.091	0.307
ADA-142	0	0	32	598.8	421.5	0.9	0.02	0.09	0	4.47	**80.17**	**40.55**	**10.765**
ADA-143	0	0	32	277.2	196.4	0.9	0.02	0.09	0	2.71	**41.335**	**9.581**	1.056
ADA-144	0	0	32	746.9	525.2	0.9	0.02	0.09	0	5.23	**88.182**	**53.875**	**18.334**
ADA-145	0	0	32	372.8	263.3	0.9	0.02	0.09	0	3.25	**56.641**	**17.889**	2.745
ADA-146	0	0	32	391.9	276.6	0.9	0.02	0.09	0	3.35	**59.316**	**19.733**	3.207
ADA-147	0	0	32	767.4	539.5	0.9	0.02	0.09	0	5.34	**88.988**	**55.528**	**19.462**
ADA-148	0	0	32	370.8	261.9	0.9	0.02	0.09	0	3.23	**56.359**	**17.702**	2.7
ADA-150	0	0	32	626.7	441	0.9	0.02	0.09	0	4.61	**82.023**	**43.226**	**12.088**
ADA-151	0	0	32	437.5	308.5	0.9	0.02	0.09	0	3.6	**65.156**	**24.28**	4.482
ADA-152	0	0	32	299.8	212.2	0.9	0.02	0.09	0	2.84	**45.215**	**11.37**	1.365
ADA-153	0	0	32	448	315.9	0.9	0.02	0.09	0	3.66	**66.395**	**25.347**	4.81
ADA-154	0	0	32	397	280.2	0.9	0.02	0.09	0	3.38	**60.003**	**20.23**	3.337
ADA-155	0	0	32	319.4	225.9	0.9	0.02	0.09	0	2.95	**48.452**	**13.015**	1.677
ADA-156	0	0	32	375.5	265.1	0.9	0.02	0.09	0	3.26	**57.03**	**18.149**	2.809
ADA-158	0	0	32	388.4	274.2	0.9	0.02	0.09	0	3.33	**58.834**	**19.391**	3.119
ADA-159	0	0	32	516.7	364	0.9	0.02	0.09	0	4.03	**73.533**	**32.353**	**7.244**
ADA-160	0	0	32	348.3	246.1	0.9	0.02	0.09	0	3.11	**53.019**	**15.598**	2.216
ADA-161	0	0	32	384.9	271.7	0.9	0.02	0.09	0	3.31	**58.349**	**19.051**	3.033
ADA-162	0	0	32	898.3	631.1	0.9	0.02	0.09	0	5.99	**92.933**	**64.949**	**26.893**
ADA-164	0	0	32	496	349.5	0.9	0.02	0.09	0	3.92	**71.549**	**30.246**	**6.459**
ADA-165	0	0	32	563.8	397	0.9	0.02	0.09	0	4.28	**77.575**	**37.11**	**9.193**
ADA-168	0	0	32	313.5	221.8	0.9	0.02	0.09	0	2.91	**47.495**	**12.513**	1.579
ADA-169	0	0	32	68.2	50	0.9	0.02	0.09	0	1.48	**6.623**	0.478	0.016

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-170	0	0	32	108.6	78.3	0.9	0.02	0.09	0	1.72	**11.869**	1.165	0.054
ADA-171	0	0	32	94.9	68.7	0.9	0.02	0.09	0	1.64	**9.935**	0.884	0.037
ADA-172	0	0	32	69.1	50.7	0.9	0.02	0.09	0	1.48	**6.728**	0.489	0.017
ADA-173	0	0	32	89.3	64.8	0.9	0.02	0.09	0	1.61	**9.195**	0.785	0.032
ADA-174	0	0	32	76.7	56	0.9	0.02	0.09	0	1.53	**7.613**	0.589	0.022
ADA-175	0	0	32	82.8	60.3	0.9	0.02	0.09	0	1.57	**8.359**	0.679	0.026
ADA-176	0	0	32	78.6	57.3	0.9	0.02	0.09	0	1.54	**7.839**	0.616	0.023
ADA-177	0	0	32	71.2	52.2	0.9	0.02	0.09	0	1.5	**6.968**	0.516	0.018
ADA-178	0	0	32	55.5	41.1	0.9	0.02	0.09	0	1.4	**5.278**	0.341	0.011
ADA-179	0	0	32	67	49.2	0.9	0.02	0.09	0	1.47	**6.493**	0.464	0.016
ADA-180	0	0	32	128.7	92.4	0.9	0.02	0.09	0	1.84	**14.955**	1.678	0.089
ADA-181	0	0	32	100.6	72.7	0.9	0.02	0.09	0	1.67	**10.727**	0.995	0.044
ADA-182	0	0	32	40.7	30.8	0.9	0.02	0.09	0	1.31	3.93	0.222	0.006
ADA-183	0	0	32	58	42.9	0.9	0.02	0.09	0	1.42	**5.537**	0.366	0.012
ADA-184	0	0	32	84.3	61.3	0.9	0.02	0.09	0	1.58	**8.551**	0.703	0.027

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Future Resident, Kokanee
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 03`06`2020 KOK.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-001	0	0	32	354.1	250.1	0.9	0.02	0.02	0	3.13	**53.581**	**15.939**	2.291
ADA-002	0	0	32	60.4	44.5	0.9	0.02	0.02	0	1.42	**5.568**	0.369	0.012
ADA-004	0	0	32	161.4	115.3	0.9	0.02	0.02	0	2.02	**20.099**	2.712	0.172
ADA-005	0	0	32	84.7	61.6	0.9	0.02	0.02	0	1.57	**8.34**	0.677	0.026
ADA-006	0	0	32	294.8	208.6	0.9	0.02	0.02	0	2.8	**44.016**	**10.797**	1.263
ADA-008	0	0	32	347.4	245.5	0.9	0.02	0.02	0	3.09	**52.57**	**15.33**	2.157
ADA-010	0	0	32	526.4	370.8	0.9	0.02	0.02	0	4.07	**74.24**	**33.138**	**7.549**
ADA-015	0	0	32	175.5	125.1	0.9	0.02	0.02	0	2.11	**22.573**	3.29	0.226
ADA-016	0	0	32	258.6	183.3	0.9	0.02	0.02	0	2.59	**37.678**	**8.063**	0.818
ADA-017	0	0	32	290.1	205.4	0.9	0.02	0.02	0	2.77	**43.215**	**10.424**	1.198
ADA-018	0	0	32	526.4	370.8	0.9	0.02	0.02	0	4.07	**74.24**	**33.138**	**7.549**
ADA-019	0	0	32	114.4	82.4	0.9	0.02	0.02	0	1.74	**12.434**	1.253	0.06
ADA-020	0	0	32	104.2	75.2	0.9	0.02	0.02	0	1.68	**10.947**	1.027	0.046
ADA-021	0	0	32	106.8	77.1	0.9	0.02	0.02	0	1.7	**11.32**	1.082	0.049
ADA-023	0	0	32	177	126.2	0.9	0.02	0.02	0	2.11	**22.851**	3.358	0.232
ADA-024	0	0	32	510	359.3	0.9	0.02	0.02	0	3.99	**72.718**	**31.471**	**6.91**
ADA-025	0	0	32	243.3	172.6	0.9	0.02	0.02	0	2.5	**34.917**	**7.019**	0.667
ADA-026	0	0	32	84.2	61.3	0.9	0.02	0.02	0	1.56	**8.281**	0.669	0.026
ADA-028	0	0	32	242.1	171.8	0.9	0.02	0.02	0	2.49	**34.705**	**6.942**	0.657
ADA-033	0	0	32	88.7	64.4	0.9	0.02	0.02	0	1.59	**8.845**	0.74	0.029
ADA-034	0	0	32	76.5	55.8	0.9	0.02	0.02	0	1.52	**7.344**	0.558	0.02
ADA-035	0	0	32	215.3	153	0.9	0.02	0.02	0	2.34	**29.806**	**5.296**	0.444
ADA-039	0	0	32	41.2	31.1	0.9	0.02	0.02	0	1.3	3.801	0.211	0.006
ADA-042	0	0	32	95.2	69	0.9	0.02	0.02	0	1.63	**9.708**	0.853	0.036
ADA-043	0	0	32	180.1	128.4	0.9	0.02	0.02	0	2.13	**23.409**	3.497	0.246
ADA-044	0	0	32	164.9	117.8	0.9	0.02	0.02	0	2.04	**20.712**	2.85	0.185
ADA-045	0	0	32	379	267.6	0.9	0.02	0.02	0	3.27	**57.241**	**18.291**	2.843
ADA-046	0	0	32	210.6	149.7	0.9	0.02	0.02	0	2.31	**28.934**	**5.028**	0.412
ADA-047	0	0	32	325.6	230.2	0.9	0.02	0.02	0	2.97	**49.131**	**13.379**	1.749
ADA-048	0	0	32	143.6	102.8	0.9	0.02	0.02	0	1.92	**17.051**	2.073	0.119

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-049	0	0	32	53.7	39.9	0.9	0.02	0.02	0	1.38	4.911	0.307	0.009
ADA-050	0	0	32	429.3	302.8	0.9	0.02	0.02	0	3.55	**63.915**	**23.249**	4.176
ADA-051	0	0	32	122.8	88.3	0.9	0.02	0.02	0	1.79	**13.716**	1.463	0.074
ADA-052	0	0	32	412.9	291.4	0.9	0.02	0.02	0	3.46	**61.845**	**21.61**	3.71
ADA-053	0	0	32	102.7	74.2	0.9	0.02	0.02	0	1.67	**10.739**	0.997	0.044
ADA-054	0	0	32	501.9	353.6	0.9	0.02	0.02	0	3.94	**71.926**	**30.636**	**6.601**
ADA-055	0	0	32	209.8	149.1	0.9	0.02	0.02	0	2.31	**28.79**	4.984	0.407
ADA-056	0	0	32	84.6	61.5	0.9	0.02	0.02	0	1.57	**8.325**	0.675	0.026
ADA-057	0	0	32	132.4	95	0.9	0.02	0.02	0	1.85	**15.224**	1.727	0.092
ADA-058	0	0	32	93.5	67.7	0.9	0.02	0.02	0	1.62	**9.474**	0.822	0.034
ADA-059	0	0	32	143.3	102.6	0.9	0.02	0.02	0	1.92	**17.01**	2.064	0.118
ADA-060	0	0	32	474.5	334.5	0.9	0.02	0.02	0	3.79	**69.125**	**27.845**	**5.62**
ADA-061	0	0	32	123.9	89	0.9	0.02	0.02	0	1.8	**13.885**	1.491	0.076
ADA-062	0	0	32	346.3	244.7	0.9	0.02	0.02	0	3.09	**52.39**	**15.223**	2.134
ADA-063	0	0	32	145.1	103.8	0.9	0.02	0.02	0	1.93	**17.304**	2.122	0.123
ADA-064	0	0	32	166.1	118.6	0.9	0.02	0.02	0	2.05	**20.918**	2.897	0.189
ADA-065	0	0	32	382.5	270.1	0.9	0.02	0.02	0	3.29	**57.738**	**18.629**	2.927
ADA-066	0	0	32	167.3	119.4	0.9	0.02	0.02	0	2.06	**21.123**	2.945	0.193
ADA-067	0	0	32	106.8	77.1	0.9	0.02	0.02	0	1.7	**11.32**	1.082	0.049
ADA-070	0	0	32	243.3	172.6	0.9	0.02	0.02	0	2.5	**34.917**	**7.019**	0.667
ADA-071	0	0	32	274.9	194.7	0.9	0.02	0.02	0	2.68	**40.569**	**9.25**	1.002
ADA-073	0	0	32	310	219.3	0.9	0.02	0.02	0	2.88	**46.58**	**12.046**	1.49
ADA-076	0	0	32	285.7	202.3	0.9	0.02	0.02	0	2.74	**42.455**	**10.078**	1.139
ADA-078	0	0	32	255	180.8	0.9	0.02	0.02	0	2.57	**37.031**	**7.811**	0.781
ADA-079	0	0	32	149.7	107.1	0.9	0.02	0.02	0	1.95	**18.09**	2.281	0.136
ADA-081	0	0	32	186.8	133.1	0.9	0.02	0.02	0	2.17	**24.612**	3.806	0.277
ADA-082	0	0	32	197.7	140.7	0.9	0.02	0.02	0	2.24	**26.584**	4.342	0.334
ADA-084	0	0	32	184.8	131.7	0.9	0.02	0.02	0	2.16	**24.251**	3.712	0.268
ADA-085	0	0	32	146.2	104.7	0.9	0.02	0.02	0	1.93	**17.5**	2.162	0.126
ADA-088	0	0	32	325.2	229.9	0.9	0.02	0.02	0	2.97	**49.07**	**13.346**	1.742
ADA-089	0	0	32	328.7	232.4	0.9	0.02	0.02	0	2.99	**49.634**	**13.653**	1.804
ADA-090	0	0	32	252.7	179.2	0.9	0.02	0.02	0	2.55	**36.61**	**7.649**	0.757
ADA-091	0	0	32	280.8	198.8	0.9	0.02	0.02	0	2.72	**41.594**	**9.695**	1.075
ADA-092	0	0	32	223.4	158.7	0.9	0.02	0.02	0	2.39	**31.289**	**5.768**	0.502
ADA-093	0	0	32	181.3	129.2	0.9	0.02	0.02	0	2.14	**23.619**	3.55	0.251
ADA-094	0	0	32	99.7	72.1	0.9	0.02	0.02	0	1.66	**10.315**	0.937	0.04
ADA-095	0	0	32	163.8	116.9	0.9	0.02	0.02	0	2.04	**20.508**	2.804	0.18
ADA-096	0	0	32	364.2	257.2	0.9	0.02	0.02	0	3.19	**55.091**	**16.881**	2.506
ADA-097	0	0	32	533.4	375.7	0.9	0.02	0.02	0	4.11	**74.867**	**33.85**	**7.831**
ADA-099	0	0	32	257.4	182.4	0.9	0.02	0.02	0	2.58	**37.452**	**7.975**	0.805
ADA-101	0	0	32	224.6	159.5	0.9	0.02	0.02	0	2.39	**31.504**	**5.838**	0.511
ADA-102	0	0	32	126.3	90.7	0.9	0.02	0.02	0	1.82	**14.264**	1.557	0.08
ADA-103	0	0	32	173.1	123.5	0.9	0.02	0.02	0	2.09	**22.157**	3.189	0.216
ADA-104	0	0	32	79.4	57.9	0.9	0.02	0.02	0	1.53	**7.692**	0.599	0.022
ADA-105	0	0	32	226.9	161.2	0.9	0.02	0.02	0	2.41	**31.932**	**5.98**	0.529
ADA-106	0	0	32	79.7	58.1	0.9	0.02	0.02	0	1.54	**7.72**	0.602	0.022
ADA-107	0	0	32	147.4	105.5	0.9	0.02	0.02	0	1.94	**17.696**	2.201	0.129

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-108	0	0	32	226.6	160.9	0.9	0.02	0.02	0	2.4	**31.861**	**5.956**	0.526
ADA-109	0	0	32	379	267.6	0.9	0.02	0.02	0	3.27	**57.241**	**18.291**	2.843
ADA-110	0	0	32	265.5	188.2	0.9	0.02	0.02	0	2.63	**38.915**	**8.559**	0.893
ADA-111	0	0	32	119.3	85.8	0.9	0.02	0.02	0	1.77	**13.176**	1.373	0.068
ADA-112	0	0	32	102.6	74.1	0.9	0.02	0.02	0	1.67	**10.721**	0.995	0.044
ADA-113	0	0	32	162.6	116.1	0.9	0.02	0.02	0	2.03	**20.303**	2.757	0.176
ADA-114	0	0	32	114.2	82.2	0.9	0.02	0.02	0	1.74	**12.399**	1.248	0.059
ADA-115	0	0	32	142.7	102.2	0.9	0.02	0.02	0	1.91	**16.913**	2.045	0.117
ADA-116	0	0	32	112.4	81	0.9	0.02	0.02	0	1.73	**12.139**	1.207	0.057
ADA-117	0	0	32	193	137.4	0.9	0.02	0.02	0	2.21	**25.732**	4.106	0.309
ADA-118	0	0	32	190.7	135.8	0.9	0.02	0.02	0	2.19	**25.307**	3.991	0.296
ADA-119	0	0	32	205.9	146.4	0.9	0.02	0.02	0	2.28	**28.078**	4.772	0.382
ADA-121	0	0	32	238.6	169.4	0.9	0.02	0.02	0	2.47	**34.067**	**6.713**	0.625
ADA-122	0	0	32	57.1	42.3	0.9	0.02	0.02	0	1.4	**5.24**	0.338	0.01
ADA-124	0	0	32	176.3	125.7	0.9	0.02	0.02	0	2.11	**22.713**	3.324	0.229
ADA-125	0	0	32	150.9	107.9	0.9	0.02	0.02	0	1.96	**18.283**	2.321	0.139
ADA-126	0	0	32	427.4	301.5	0.9	0.02	0.02	0	3.54	**63.682**	**23.06**	4.12
ADA-127	0	0	32	212.9	151.3	0.9	0.02	0.02	0	2.32	**29.361**	**5.158**	0.427
ADA-128	0	0	32	362.6	256.1	0.9	0.02	0.02	0	3.18	**54.865**	**16.737**	2.473
ADA-131	0	0	32	384.9	271.7	0.9	0.02	0.02	0	3.3	**58.066**	**18.854**	2.983
ADA-132	0	0	32	170.8	121.8	0.9	0.02	0.02	0	2.08	**21.742**	3.089	0.207
ADA-133	0	0	32	338.1	238.9	0.9	0.02	0.02	0	3.04	**51.117**	**14.483**	1.975
ADA-135	0	0	32	140.4	100.6	0.9	0.02	0.02	0	1.9	**16.526**	1.97	0.111
ADA-136	0	0	32	384.9	271.7	0.9	0.02	0.02	0	3.3	**58.066**	**18.854**	2.983
ADA-139	0	0	32	221.1	157.1	0.9	0.02	0.02	0	2.37	**30.861**	**5.63**	0.485
ADA-140	0	0	32	556.8	392.1	0.9	0.02	0.02	0	4.24	**76.85**	**36.207**	**8.804**
ADA-141	0	0	32	190.7	135.8	0.9	0.02	0.02	0	2.19	**25.307**	3.991	0.296
ADA-142	0	0	32	598.8	421.5	0.9	0.02	0.02	0	4.46	**80.028**	**40.353**	**10.671**
ADA-143	0	0	32	277.2	196.4	0.9	0.02	0.02	0	2.7	**40.98**	**9.427**	1.031
ADA-144	0	0	32	746.9	525.2	0.9	0.02	0.02	0	5.22	**88.099**	**53.709**	**18.223**
ADA-145	0	0	32	372.8	263.3	0.9	0.02	0.02	0	3.23	**56.349**	**17.696**	2.699
ADA-146	0	0	32	391.9	276.6	0.9	0.02	0.02	0	3.34	**59.038**	**19.535**	3.156
ADA-147	0	0	32	767.4	539.5	0.9	0.02	0.02	0	5.33	**88.91**	**55.366**	**19.35**
ADA-148	0	0	32	370.8	261.9	0.9	0.02	0.02	0	3.22	**56.066**	**17.51**	2.654
ADA-150	0	0	32	626.7	441	0.9	0.02	0.02	0	4.6	**81.894**	**43.034**	**11.989**
ADA-151	0	0	32	437.5	308.5	0.9	0.02	0.02	0	3.59	**64.912**	**24.075**	4.42
ADA-152	0	0	32	299.8	212.2	0.9	0.02	0.02	0	2.82	**44.873**	**11.204**	1.335
ADA-153	0	0	32	448	315.9	0.9	0.02	0.02	0	3.65	**66.159**	**25.141**	4.745
ADA-154	0	0	32	397	280.2	0.9	0.02	0.02	0	3.37	**59.729**	**20.031**	3.285
ADA-155	0	0	32	319.4	225.9	0.9	0.02	0.02	0	2.93	**48.121**	**12.84**	1.642
ADA-156	0	0	32	375.5	265.1	0.9	0.02	0.02	0	3.25	**56.74**	**17.955**	2.761
ADA-158	0	0	32	388.4	274.2	0.9	0.02	0.02	0	3.32	**58.554**	**19.194**	3.069
ADA-159	0	0	32	516.7	364	0.9	0.02	0.02	0	4.02	**73.344**	**32.147**	**7.165**
ADA-160	0	0	32	348.3	246.1	0.9	0.02	0.02	0	3.1	**52.708**	**15.412**	2.175
ADA-161	0	0	32	384.9	271.7	0.9	0.02	0.02	0	3.3	**58.066**	**18.854**	2.983
ADA-162	0	0	32	898.3	631.1	0.9	0.02	0.02	0	5.98	**92.885**	**64.818**	**26.777**
ADA-164	0	0	32	496	349.5	0.9	0.02	0.02	0	3.91	**71.347**	**30.038**	**6.384**

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-165	0	0	32	563.8	397	0.9	0.02	0.02	0	4.27	**77.414**	**36.908**	**9.105**
ADA-168	0	0	32	313.5	221.8	0.9	0.02	0.02	0	2.9	**47.16**	**12.341**	1.546
ADA-169	0	0	32	68.2	50	0.9	0.02	0.02	0	1.47	**6.398**	0.454	0.015
ADA-170	0	0	32	108.6	78.3	0.9	0.02	0.02	0	1.71	**11.574**	1.12	0.051
ADA-171	0	0	32	94.9	68.7	0.9	0.02	0.02	0	1.63	**9.661**	0.847	0.035
ADA-172	0	0	32	69.1	50.7	0.9	0.02	0.02	0	1.47	**6.502**	0.465	0.016
ADA-173	0	0	32	89.3	64.8	0.9	0.02	0.02	0	1.59	**8.93**	0.751	0.03
ADA-174	0	0	32	76.7	56	0.9	0.02	0.02	0	1.52	**7.372**	0.561	0.02
ADA-175	0	0	32	82.8	60.3	0.9	0.02	0.02	0	1.56	**8.107**	0.648	0.025
ADA-176	0	0	32	78.6	57.3	0.9	0.02	0.02	0	1.53	**7.594**	0.587	0.022
ADA-177	0	0	32	71.2	52.2	0.9	0.02	0.02	0	1.49	**6.737**	0.49	0.017
ADA-178	0	0	32	55.5	41.1	0.9	0.02	0.02	0	1.39	**5.079**	0.322	0.01
ADA-179	0	0	32	67	49.2	0.9	0.02	0.02	0	1.46	**6.271**	0.441	0.015
ADA-180	0	0	32	128.7	92.4	0.9	0.02	0.02	0	1.83	**14.632**	1.621	0.085
ADA-181	0	0	32	100.6	72.7	0.9	0.02	0.02	0	1.66	**10.443**	0.955	0.041
ADA-182	0	0	32	40.7	30.8	0.9	0.02	0.02	0	1.3	3.763	0.208	0.006
ADA-183	0	0	32	58	42.9	0.9	0.02	0.02	0	1.41	**5.333**	0.346	0.011
ADA-184	0	0	32	84.3	61.3	0.9	0.02	0.02	0	1.56	**8.296**	0.671	0.026

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Future Resident, Northern Pike
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 03`06`2020 NOR.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-001	0	0	32	354.1	250.1	0.9	0.02	0.01	0	3.13	**53.537**	**15.912**	2.285
ADA-002	0	0	32	60.4	44.5	0.9	0.02	0.01	0	1.42	**5.539**	0.366	0.012
ADA-004	0	0	32	161.4	115.3	0.9	0.02	0.01	0	2.02	**20.049**	2.701	0.171
ADA-005	0	0	32	84.7	61.6	0.9	0.02	0.01	0	1.56	**8.303**	0.672	0.026
ADA-006	0	0	32	294.8	208.6	0.9	0.02	0.01	0	2.79	**43.967**	**10.774**	1.259
ADA-008	0	0	32	347.4	245.5	0.9	0.02	0.01	0	3.09	**52.526**	**15.304**	2.151
ADA-010	0	0	32	526.4	370.8	0.9	0.02	0.01	0	4.07	**74.214**	**33.109**	**7.537**
ADA-015	0	0	32	175.5	125.1	0.9	0.02	0.01	0	2.1	**22.522**	3.277	0.224
ADA-016	0	0	32	258.6	183.3	0.9	0.02	0.01	0	2.59	**37.626**	**8.043**	0.815
ADA-017	0	0	32	290.1	205.4	0.9	0.02	0.01	0	2.77	**43.165**	**10.401**	1.194
ADA-018	0	0	32	526.4	370.8	0.9	0.02	0.01	0	4.07	**74.214**	**33.109**	**7.537**
ADA-019	0	0	32	114.4	82.4	0.9	0.02	0.01	0	1.74	**12.391**	1.246	0.059
ADA-020	0	0	32	104.2	75.2	0.9	0.02	0.01	0	1.68	**10.906**	1.021	0.045
ADA-021	0	0	32	106.8	77.1	0.9	0.02	0.01	0	1.7	**11.278**	1.076	0.049
ADA-023	0	0	32	177	126.2	0.9	0.02	0.01	0	2.11	**22.799**	3.345	0.231
ADA-024	0	0	32	510	359.3	0.9	0.02	0.01	0	3.98	**72.69**	**31.441**	**6.899**
ADA-025	0	0	32	243.3	172.6	0.9	0.02	0.01	0	2.5	**34.865**	**6.999**	0.665
ADA-026	0	0	32	84.2	61.3	0.9	0.02	0.01	0	1.56	**8.245**	0.665	0.025
ADA-028	0	0	32	242.1	171.8	0.9	0.02	0.01	0	2.49	**34.652**	**6.923**	0.654
ADA-033	0	0	32	88.7	64.4	0.9	0.02	0.01	0	1.59	**8.808**	0.735	0.029
ADA-034	0	0	32	76.5	55.8	0.9	0.02	0.01	0	1.52	**7.31**	0.554	0.02
ADA-035	0	0	32	215.3	153	0.9	0.02	0.01	0	2.34	**29.753**	**5.279**	0.442
ADA-039	0	0	32	41.2	31.1	0.9	0.02	0.01	0	1.3	3.777	0.209	0.006
ADA-042	0	0	32	95.2	69	0.9	0.02	0.01	0	1.63	**9.67**	0.848	0.035
ADA-043	0	0	32	180.1	128.4	0.9	0.02	0.01	0	2.13	**23.357**	3.484	0.245
ADA-044	0	0	32	164.9	117.8	0.9	0.02	0.01	0	2.04	**20.662**	2.839	0.184
ADA-045	0	0	32	379	267.6	0.9	0.02	0.01	0	3.27	**57.2**	**18.263**	2.837
ADA-046	0	0	32	210.6	149.7	0.9	0.02	0.01	0	2.31	**28.881**	**5.012**	0.41
ADA-047	0	0	32	325.6	230.2	0.9	0.02	0.01	0	2.97	**49.084**	**13.354**	1.744
ADA-048	0	0	32	143.6	102.8	0.9	0.02	0.01	0	1.92	**17.003**	2.063	0.118
ADA-049	0	0	32	53.7	39.9	0.9	0.02	0.01	0	1.38	4.884	0.304	0.009

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-050	0	0	32	429.3	302.8	0.9	0.02	0.01	0	3.55	**63.879**	**23.22**	4.167
ADA-051	0	0	32	122.8	88.3	0.9	0.02	0.01	0	1.79	**13.671**	1.455	0.073
ADA-052	0	0	32	412.9	291.4	0.9	0.02	0.01	0	3.45	**61.808**	**21.581**	3.702
ADA-053	0	0	32	102.7	74.2	0.9	0.02	0.01	0	1.67	**10.698**	0.991	0.043
ADA-054	0	0	32	501.9	353.6	0.9	0.02	0.01	0	3.94	**71.898**	**30.606**	**6.59**
ADA-055	0	0	32	209.8	149.1	0.9	0.02	0.01	0	2.3	**28.737**	4.968	0.405
ADA-056	0	0	32	84.6	61.5	0.9	0.02	0.01	0	1.56	**8.289**	0.67	0.026
ADA-057	0	0	32	132.4	95	0.9	0.02	0.01	0	1.85	**15.177**	1.718	0.092
ADA-058	0	0	32	93.5	67.7	0.9	0.02	0.01	0	1.62	**9.435**	0.817	0.034
ADA-059	0	0	32	143.3	102.6	0.9	0.02	0.01	0	1.91	**16.962**	2.055	0.117
ADA-060	0	0	32	474.5	334.5	0.9	0.02	0.01	0	3.79	**69.094**	**27.815**	**5.61**
ADA-061	0	0	32	123.9	89	0.9	0.02	0.01	0	1.8	**13.84**	1.484	0.075
ADA-062	0	0	32	346.3	244.7	0.9	0.02	0.01	0	3.08	**52.346**	**15.197**	2.128
ADA-063	0	0	32	145.1	103.8	0.9	0.02	0.01	0	1.92	**17.255**	2.113	0.122
ADA-064	0	0	32	166.1	118.6	0.9	0.02	0.01	0	2.05	**20.867**	2.885	0.188
ADA-065	0	0	32	382.5	270.1	0.9	0.02	0.01	0	3.29	**57.697**	**18.601**	2.92
ADA-066	0	0	32	167.3	119.4	0.9	0.02	0.01	0	2.06	**21.072**	2.933	0.192
ADA-067	0	0	32	106.8	77.1	0.9	0.02	0.01	0	1.7	**11.278**	1.076	0.049
ADA-070	0	0	32	243.3	172.6	0.9	0.02	0.01	0	2.5	**34.865**	**6.999**	0.665
ADA-071	0	0	32	274.9	194.7	0.9	0.02	0.01	0	2.68	**40.518**	**9.228**	0.999
ADA-073	0	0	32	310	219.3	0.9	0.02	0.01	0	2.88	**46.531**	**12.022**	1.486
ADA-076	0	0	32	285.7	202.3	0.9	0.02	0.01	0	2.74	**42.404**	**10.055**	1.135
ADA-078	0	0	32	255	180.8	0.9	0.02	0.01	0	2.57	**36.979**	**7.791**	0.778
ADA-079	0	0	32	149.7	107.1	0.9	0.02	0.01	0	1.95	**18.041**	2.271	0.135
ADA-081	0	0	32	186.8	133.1	0.9	0.02	0.01	0	2.17	**24.559**	3.793	0.276
ADA-082	0	0	32	197.7	140.7	0.9	0.02	0.01	0	2.23	**26.531**	4.327	0.332
ADA-084	0	0	32	184.8	131.7	0.9	0.02	0.01	0	2.16	**24.198**	3.699	0.266
ADA-085	0	0	32	146.2	104.7	0.9	0.02	0.01	0	1.93	**17.451**	2.152	0.125
ADA-088	0	0	32	325.2	229.9	0.9	0.02	0.01	0	2.97	**49.023**	**13.321**	1.737
ADA-089	0	0	32	328.7	232.4	0.9	0.02	0.01	0	2.99	**49.587**	**13.628**	1.799
ADA-090	0	0	32	252.7	179.2	0.9	0.02	0.01	0	2.55	**36.558**	**7.629**	0.754
ADA-091	0	0	32	280.8	198.8	0.9	0.02	0.01	0	2.71	**41.543**	**9.672**	1.071
ADA-092	0	0	32	223.4	158.7	0.9	0.02	0.01	0	2.38	**31.236**	**5.751**	0.5
ADA-093	0	0	32	181.3	129.2	0.9	0.02	0.01	0	2.14	**23.567**	3.537	0.25
ADA-094	0	0	32	99.7	72.1	0.9	0.02	0.01	0	1.65	**10.275**	0.931	0.04
ADA-095	0	0	32	163.8	116.9	0.9	0.02	0.01	0	2.04	**20.457**	2.792	0.179
ADA-096	0	0	32	364.2	257.2	0.9	0.02	0.01	0	3.18	**55.049**	**16.854**	2.5
ADA-097	0	0	32	533.4	375.7	0.9	0.02	0.01	0	4.11	**74.841**	**33.821**	**7.819**
ADA-099	0	0	32	257.4	182.4	0.9	0.02	0.01	0	2.58	**37.4**	**7.955**	0.802
ADA-101	0	0	32	224.6	159.5	0.9	0.02	0.01	0	2.39	**31.451**	**5.821**	0.509
ADA-102	0	0	32	126.3	90.7	0.9	0.02	0.01	0	1.81	**14.218**	1.549	0.08
ADA-103	0	0	32	173.1	123.5	0.9	0.02	0.01	0	2.09	**22.105**	3.176	0.215
ADA-104	0	0	32	79.4	57.9	0.9	0.02	0.01	0	1.53	**7.657**	0.595	0.022
ADA-105	0	0	32	226.9	161.2	0.9	0.02	0.01	0	2.4	**31.879**	**5.962**	0.526
ADA-106	0	0	32	79.7	58.1	0.9	0.02	0.01	0	1.53	**7.685**	0.598	0.022
ADA-107	0	0	32	147.4	105.5	0.9	0.02	0.01	0	1.94	**17.648**	2.191	0.128
ADA-108	0	0	32	226.6	160.9	0.9	0.02	0.01	0	2.4	**31.808**	**5.939**	0.523

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-109	0	0	32	379	267.6	0.9	0.02	0.01	0	3.27	**57.2**	**18.263**	2.837
ADA-110	0	0	32	265.5	188.2	0.9	0.02	0.01	0	2.63	**38.863**	**8.538**	0.89
ADA-111	0	0	32	119.3	85.8	0.9	0.02	0.01	0	1.77	**13.132**	1.366	0.067
ADA-112	0	0	32	102.6	74.1	0.9	0.02	0.01	0	1.67	**10.68**	0.989	0.043
ADA-113	0	0	32	162.6	116.1	0.9	0.02	0.01	0	2.03	**20.253**	2.746	0.175
ADA-114	0	0	32	114.2	82.2	0.9	0.02	0.01	0	1.74	**12.356**	1.241	0.059
ADA-115	0	0	32	142.7	102.2	0.9	0.02	0.01	0	1.91	**16.865**	2.036	0.116
ADA-116	0	0	32	112.4	81	0.9	0.02	0.01	0	1.73	**12.096**	1.2	0.056
ADA-117	0	0	32	193	137.4	0.9	0.02	0.01	0	2.21	**25.68**	4.092	0.307
ADA-118	0	0	32	190.7	135.8	0.9	0.02	0.01	0	2.19	**25.255**	3.977	0.295
ADA-119	0	0	32	205.9	146.4	0.9	0.02	0.01	0	2.28	**28.025**	4.756	0.38
ADA-121	0	0	32	238.6	169.4	0.9	0.02	0.01	0	2.47	**34.015**	**6.695**	0.623
ADA-122	0	0	32	57.1	42.3	0.9	0.02	0.01	0	1.4	**5.211**	0.335	0.01
ADA-124	0	0	32	176.3	125.7	0.9	0.02	0.01	0	2.11	**22.661**	3.311	0.228
ADA-125	0	0	32	150.9	107.9	0.9	0.02	0.01	0	1.96	**18.234**	2.311	0.138
ADA-126	0	0	32	427.4	301.5	0.9	0.02	0.01	0	3.53	**63.646**	**23.03**	4.112
ADA-127	0	0	32	212.9	151.3	0.9	0.02	0.01	0	2.32	**29.308**	**5.142**	0.425
ADA-128	0	0	32	362.6	256.1	0.9	0.02	0.01	0	3.18	**54.822**	**16.71**	2.467
ADA-131	0	0	32	384.9	271.7	0.9	0.02	0.01	0	3.3	**58.025**	**18.826**	2.976
ADA-132	0	0	32	170.8	121.8	0.9	0.02	0.01	0	2.08	**21.69**	3.077	0.206
ADA-133	0	0	32	338.1	238.9	0.9	0.02	0.01	0	3.04	**51.072**	**14.457**	1.97
ADA-135	0	0	32	140.4	100.6	0.9	0.02	0.01	0	1.9	**16.478**	1.961	0.11
ADA-136	0	0	32	384.9	271.7	0.9	0.02	0.01	0	3.3	**58.025**	**18.826**	2.976
ADA-139	0	0	32	221.1	157.1	0.9	0.02	0.01	0	2.37	**30.808**	**5.612**	0.482
ADA-140	0	0	32	556.8	392.1	0.9	0.02	0.01	0	4.23	**76.827**	**36.178**	**8.792**
ADA-141	0	0	32	190.7	135.8	0.9	0.02	0.01	0	2.19	**25.255**	3.977	0.295
ADA-142	0	0	32	598.8	421.5	0.9	0.02	0.01	0	4.46	**80.008**	**40.325**	**10.657**
ADA-143	0	0	32	277.2	196.4	0.9	0.02	0.01	0	2.69	**40.929**	**9.405**	1.027
ADA-144	0	0	32	746.9	525.2	0.9	0.02	0.01	0	5.22	**88.087**	**53.685**	**18.207**
ADA-145	0	0	32	372.8	263.3	0.9	0.02	0.01	0	3.23	**56.307**	**17.668**	2.692
ADA-146	0	0	32	391.9	276.6	0.9	0.02	0.01	0	3.34	**58.998**	**19.507**	3.149
ADA-147	0	0	32	767.4	539.5	0.9	0.02	0.01	0	5.33	**88.899**	**55.343**	**19.334**
ADA-148	0	0	32	370.8	261.9	0.9	0.02	0.01	0	3.22	**56.024**	**17.482**	2.648
ADA-150	0	0	32	626.7	441	0.9	0.02	0.01	0	4.6	**81.876**	**43.006**	**11.975**
ADA-151	0	0	32	437.5	308.5	0.9	0.02	0.01	0	3.59	**64.877**	**24.046**	4.411
ADA-152	0	0	32	299.8	212.2	0.9	0.02	0.01	0	2.82	**44.823**	**11.181**	1.331
ADA-153	0	0	32	448	315.9	0.9	0.02	0.01	0	3.65	**66.125**	**25.112**	4.736
ADA-154	0	0	32	397	280.2	0.9	0.02	0.01	0	3.37	**59.69**	**20.003**	3.277
ADA-155	0	0	32	319.4	225.9	0.9	0.02	0.01	0	2.93	**48.074**	**12.816**	1.637
ADA-156	0	0	32	375.5	265.1	0.9	0.02	0.01	0	3.25	**56.699**	**17.927**	2.755
ADA-158	0	0	32	388.4	274.2	0.9	0.02	0.01	0	3.32	**58.513**	**19.166**	3.062
ADA-159	0	0	32	516.7	364	0.9	0.02	0.01	0	4.02	**73.317**	**32.117**	**7.154**
ADA-160	0	0	32	348.3	246.1	0.9	0.02	0.01	0	3.1	**52.664**	**15.386**	2.169
ADA-161	0	0	32	384.9	271.7	0.9	0.02	0.01	0	3.3	**58.025**	**18.826**	2.976
ADA-162	0	0	32	898.3	631.1	0.9	0.02	0.01	0	5.98	**92.878**	**64.799**	**26.76**
ADA-164	0	0	32	496	349.5	0.9	0.02	0.01	0	3.91	**71.318**	**30.009**	**6.374**
ADA-165	0	0	32	563.8	397	0.9	0.02	0.01	0	4.27	**77.391**	**36.879**	**9.093**

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-168	0	0	32	313.5	221.8	0.9	0.02	0.01	0	2.9	**47.112**	**12.317**	1.541
ADA-169	0	0	32	68.2	50	0.9	0.02	0.01	0	1.47	**6.367**	0.451	0.015
ADA-170	0	0	32	108.6	78.3	0.9	0.02	0.01	0	1.71	**11.532**	1.114	0.051
ADA-171	0	0	32	94.9	68.7	0.9	0.02	0.01	0	1.63	**9.622**	0.842	0.035
ADA-172	0	0	32	69.1	50.7	0.9	0.02	0.01	0	1.47	**6.47**	0.462	0.016
ADA-173	0	0	32	89.3	64.8	0.9	0.02	0.01	0	1.59	**8.893**	0.746	0.03
ADA-174	0	0	32	76.7	56	0.9	0.02	0.01	0	1.52	**7.338**	0.558	0.02
ADA-175	0	0	32	82.8	60.3	0.9	0.02	0.01	0	1.55	**8.071**	0.644	0.024
ADA-176	0	0	32	78.6	57.3	0.9	0.02	0.01	0	1.53	**7.559**	0.583	0.021
ADA-177	0	0	32	71.2	52.2	0.9	0.02	0.01	0	1.48	**6.704**	0.487	0.017
ADA-178	0	0	32	55.5	41.1	0.9	0.02	0.01	0	1.39	**5.051**	0.32	0.01
ADA-179	0	0	32	67	49.2	0.9	0.02	0.01	0	1.46	**6.239**	0.437	0.015
ADA-180	0	0	32	128.7	92.4	0.9	0.02	0.01	0	1.83	**14.586**	1.613	0.084
ADA-181	0	0	32	100.6	72.7	0.9	0.02	0.01	0	1.66	**10.403**	0.949	0.041
ADA-182	0	0	32	40.7	30.8	0.9	0.02	0.01	0	1.3	3.739	0.206	0.005
ADA-183	0	0	32	58	42.9	0.9	0.02	0.01	0	1.4	**5.304**	0.344	0.011
ADA-184	0	0	32	84.3	61.3	0.9	0.02	0.01	0	1.56	**8.259**	0.667	0.026

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Future Resident, Rainbow Trout
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 03`06`2020 RAI.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-001	0	0	32	354.1	250.1	0.9	0.02	0.09	0	3.14	**53.887**	**16.127**	2.334
ADA-002	0	0	32	60.4	44.5	0.9	0.02	0.09	0	1.43	**5.777**	0.39	0.013
ADA-004	0	0	32	161.4	115.3	0.9	0.02	0.09	0	2.04	**20.453**	2.791	0.179
ADA-005	0	0	32	84.7	61.6	0.9	0.02	0.09	0	1.58	**8.596**	0.708	0.028
ADA-006	0	0	32	294.8	208.6	0.9	0.02	0.09	0	2.81	**44.362**	**10.96**	1.292
ADA-008	0	0	32	347.4	245.5	0.9	0.02	0.09	0	3.1	**52.881**	**15.516**	2.197
ADA-010	0	0	32	526.4	370.8	0.9	0.02	0.09	0	4.08	**74.423**	**33.345**	**7.63**
ADA-015	0	0	32	175.5	125.1	0.9	0.02	0.09	0	2.12	**22.935**	3.379	0.234
ADA-016	0	0	32	258.6	183.3	0.9	0.02	0.09	0	2.6	**38.041**	**8.207**	0.84
ADA-017	0	0	32	290.1	205.4	0.9	0.02	0.09	0	2.78	**43.563**	**10.585**	1.226
ADA-018	0	0	32	526.4	370.8	0.9	0.02	0.09	0	4.08	**74.423**	**33.345**	**7.63**
ADA-019	0	0	32	114.4	82.4	0.9	0.02	0.09	0	1.76	**12.738**	1.302	0.063
ADA-020	0	0	32	104.2	75.2	0.9	0.02	0.09	0	1.7	**11.236**	1.07	0.048
ADA-021	0	0	32	106.8	77.1	0.9	0.02	0.09	0	1.71	**11.613**	1.126	0.052
ADA-023	0	0	32	177	126.2	0.9	0.02	0.09	0	2.13	**23.214**	3.448	0.241
ADA-024	0	0	32	510	359.3	0.9	0.02	0.09	0	4	**72.911**	**31.678**	**6.988**
ADA-025	0	0	32	243.3	172.6	0.9	0.02	0.09	0	2.51	**35.285**	**7.153**	0.686
ADA-026	0	0	32	84.2	61.3	0.9	0.02	0.09	0	1.58	**8.537**	0.701	0.027
ADA-028	0	0	32	242.1	171.8	0.9	0.02	0.09	0	2.51	**35.073**	**7.075**	0.675
ADA-033	0	0	32	88.7	64.4	0.9	0.02	0.09	0	1.6	**9.108**	0.774	0.031
ADA-034	0	0	32	76.5	55.8	0.9	0.02	0.09	0	1.53	**7.585**	0.586	0.022
ADA-035	0	0	32	215.3	153	0.9	0.02	0.09	0	2.35	**30.177**	**5.412**	0.458
ADA-039	0	0	32	41.2	31.1	0.9	0.02	0.09	0	1.32	3.969	0.225	0.006
ADA-042	0	0	32	95.2	69	0.9	0.02	0.09	0	1.64	**9.983**	0.891	0.038
ADA-043	0	0	32	180.1	128.4	0.9	0.02	0.09	0	2.15	**23.773**	3.589	0.255
ADA-044	0	0	32	164.9	117.8	0.9	0.02	0.09	0	2.06	**21.068**	2.932	0.192
ADA-045	0	0	32	379	267.6	0.9	0.02	0.09	0	3.28	**57.529**	**18.486**	2.891
ADA-046	0	0	32	210.6	149.7	0.9	0.02	0.09	0	2.32	**29.305**	**5.141**	0.425
ADA-047	0	0	32	325.6	230.2	0.9	0.02	0.09	0	2.98	**49.457**	**13.557**	1.784
ADA-048	0	0	32	143.6	102.8	0.9	0.02	0.09	0	1.93	**17.39**	2.14	0.124

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-049	0	0	32	53.7	39.9	0.9	0.02	0.09	0	1.39	**5.106**	0.325	0.01
ADA-050	0	0	32	429.3	302.8	0.9	0.02	0.09	0	3.56	**64.164**	**23.453**	4.235
ADA-051	0	0	32	122.8	88.3	0.9	0.02	0.09	0	1.81	**14.031**	1.516	0.077
ADA-052	0	0	32	412.9	291.4	0.9	0.02	0.09	0	3.47	**62.107**	**21.812**	3.766
ADA-053	0	0	32	102.7	74.2	0.9	0.02	0.09	0	1.69	**11.025**	1.039	0.046
ADA-054	0	0	32	501.9	353.6	0.9	0.02	0.09	0	3.95	**72.125**	**30.843**	**6.677**
ADA-055	0	0	32	209.8	149.1	0.9	0.02	0.09	0	2.32	**29.162**	**5.097**	0.42
ADA-056	0	0	32	84.6	61.5	0.9	0.02	0.09	0	1.58	**8.581**	0.707	0.028
ADA-057	0	0	32	132.4	95	0.9	0.02	0.09	0	1.86	**15.551**	1.787	0.097
ADA-058	0	0	32	93.5	67.7	0.9	0.02	0.09	0	1.63	**9.745**	0.858	0.036
ADA-059	0	0	32	143.3	102.6	0.9	0.02	0.09	0	1.93	**17.349**	2.131	0.123
ADA-060	0	0	32	474.5	334.5	0.9	0.02	0.09	0	3.8	**69.342**	**28.052**	**5.691**
ADA-061	0	0	32	123.9	89	0.9	0.02	0.09	0	1.81	**14.202**	1.546	0.079
ADA-062	0	0	32	346.3	244.7	0.9	0.02	0.09	0	3.1	**52.702**	**15.408**	2.174
ADA-063	0	0	32	145.1	103.8	0.9	0.02	0.09	0	1.94	**17.644**	2.191	0.128
ADA-064	0	0	32	166.1	118.6	0.9	0.02	0.09	0	2.06	**21.274**	2.98	0.196
ADA-065	0	0	32	382.5	270.1	0.9	0.02	0.09	0	3.3	**58.023**	**18.825**	2.976
ADA-066	0	0	32	167.3	119.4	0.9	0.02	0.09	0	2.07	**21.481**	3.028	0.201
ADA-067	0	0	32	106.8	77.1	0.9	0.02	0.09	0	1.71	**11.613**	1.126	0.052
ADA-070	0	0	32	243.3	172.6	0.9	0.02	0.09	0	2.51	**35.285**	**7.153**	0.686
ADA-071	0	0	32	274.9	194.7	0.9	0.02	0.09	0	2.69	**40.925**	**9.403**	1.027
ADA-073	0	0	32	310	219.3	0.9	0.02	0.09	0	2.89	**46.916**	**12.217**	1.522
ADA-076	0	0	32	285.7	202.3	0.9	0.02	0.09	0	2.75	**42.805**	**10.237**	1.166
ADA-078	0	0	32	255	180.8	0.9	0.02	0.09	0	2.58	**37.396**	**7.953**	0.801
ADA-079	0	0	32	149.7	107.1	0.9	0.02	0.09	0	1.97	**18.434**	2.353	0.141
ADA-081	0	0	32	186.8	133.1	0.9	0.02	0.09	0	2.18	**24.978**	3.903	0.287
ADA-082	0	0	32	197.7	140.7	0.9	0.02	0.09	0	2.25	**26.953**	4.446	0.346
ADA-084	0	0	32	184.8	131.7	0.9	0.02	0.09	0	2.17	**24.617**	3.808	0.277
ADA-085	0	0	32	146.2	104.7	0.9	0.02	0.09	0	1.95	**17.841**	2.231	0.131
ADA-088	0	0	32	325.2	229.9	0.9	0.02	0.09	0	2.98	**49.397**	**13.523**	1.778
ADA-089	0	0	32	328.7	232.4	0.9	0.02	0.09	0	3	**49.958**	**13.832**	1.84
ADA-090	0	0	32	252.7	179.2	0.9	0.02	0.09	0	2.57	**36.975**	**7.79**	0.777
ADA-091	0	0	32	280.8	198.8	0.9	0.02	0.09	0	2.73	**41.947**	**9.851**	1.101
ADA-092	0	0	32	223.4	158.7	0.9	0.02	0.09	0	2.4	**31.661**	**5.89**	0.517
ADA-093	0	0	32	181.3	129.2	0.9	0.02	0.09	0	2.15	**23.983**	3.643	0.261
ADA-094	0	0	32	99.7	72.1	0.9	0.02	0.09	0	1.67	**10.596**	0.977	0.043
ADA-095	0	0	32	163.8	116.9	0.9	0.02	0.09	0	2.05	**20.863**	2.884	0.188
ADA-096	0	0	32	364.2	257.2	0.9	0.02	0.09	0	3.2	**55.39**	**17.072**	2.551
ADA-097	0	0	32	533.4	375.7	0.9	0.02	0.09	0	4.12	**75.045**	**34.056**	**7.913**
ADA-099	0	0	32	257.4	182.4	0.9	0.02	0.09	0	2.59	**37.815**	**8.118**	0.826
ADA-101	0	0	32	224.6	159.5	0.9	0.02	0.09	0	2.4	**31.875**	**5.961**	0.526
ADA-102	0	0	32	126.3	90.7	0.9	0.02	0.09	0	1.83	**14.584**	1.612	0.084
ADA-103	0	0	32	173.1	123.5	0.9	0.02	0.09	0	2.1	**22.517**	3.276	0.224
ADA-104	0	0	32	79.4	57.9	0.9	0.02	0.09	0	1.55	**7.939**	0.628	0.024
ADA-105	0	0	32	226.9	161.2	0.9	0.02	0.09	0	2.42	**32.303**	**6.104**	0.545
ADA-106	0	0	32	79.7	58.1	0.9	0.02	0.09	0	1.55	**7.967**	0.631	0.024
ADA-107	0	0	32	147.4	105.5	0.9	0.02	0.09	0	1.95	**18.039**	2.271	0.135

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-108	0	0	32	226.6	160.9	0.9	0.02	0.09	0	2.42	**32.232**	**6.08**	0.542
ADA-109	0	0	32	379	267.6	0.9	0.02	0.09	0	3.28	**57.529**	**18.486**	2.891
ADA-110	0	0	32	265.5	188.2	0.9	0.02	0.09	0	2.64	**39.275**	**8.707**	0.916
ADA-111	0	0	32	119.3	85.8	0.9	0.02	0.09	0	1.79	**13.487**	1.424	0.071
ADA-112	0	0	32	102.6	74.1	0.9	0.02	0.09	0	1.69	**11.008**	1.036	0.046
ADA-113	0	0	32	162.6	116.1	0.9	0.02	0.09	0	2.04	**20.657**	2.838	0.184
ADA-114	0	0	32	114.2	82.2	0.9	0.02	0.09	0	1.76	**12.703**	1.296	0.062
ADA-115	0	0	32	142.7	102.2	0.9	0.02	0.09	0	1.92	**17.251**	2.112	0.122
ADA-116	0	0	32	112.4	81	0.9	0.02	0.09	0	1.74	**12.44**	1.254	0.06
ADA-117	0	0	32	193	137.4	0.9	0.02	0.09	0	2.22	**26.101**	4.207	0.319
ADA-118	0	0	32	190.7	135.8	0.9	0.02	0.09	0	2.21	**25.675**	4.091	0.307
ADA-119	0	0	32	205.9	146.4	0.9	0.02	0.09	0	2.3	**28.449**	4.882	0.395
ADA-121	0	0	32	238.6	169.4	0.9	0.02	0.09	0	2.49	**34.436**	**6.845**	0.643
ADA-122	0	0	32	57.1	42.3	0.9	0.02	0.09	0	1.41	**5.442**	0.357	0.011
ADA-124	0	0	32	176.3	125.7	0.9	0.02	0.09	0	2.12	**23.075**	3.413	0.238
ADA-125	0	0	32	150.9	107.9	0.9	0.02	0.09	0	1.97	**18.629**	2.394	0.145
ADA-126	0	0	32	427.4	301.5	0.9	0.02	0.09	0	3.55	**63.933**	**23.264**	4.18
ADA-127	0	0	32	212.9	151.3	0.9	0.02	0.09	0	2.34	**29.733**	**5.273**	0.441
ADA-128	0	0	32	362.6	256.1	0.9	0.02	0.09	0	3.19	**55.165**	**16.928**	2.517
ADA-131	0	0	32	384.9	271.7	0.9	0.02	0.09	0	3.31	**58.349**	**19.051**	3.033
ADA-132	0	0	32	170.8	121.8	0.9	0.02	0.09	0	2.09	**22.101**	3.175	0.215
ADA-133	0	0	32	338.1	238.9	0.9	0.02	0.09	0	3.05	**51.435**	**14.666**	2.014
ADA-135	0	0	32	140.4	100.6	0.9	0.02	0.09	0	1.91	**16.861**	2.035	0.116
ADA-136	0	0	32	384.9	271.7	0.9	0.02	0.09	0	3.31	**58.349**	**19.051**	3.033
ADA-139	0	0	32	221.1	157.1	0.9	0.02	0.09	0	2.38	**31.232**	**5.75**	0.5
ADA-140	0	0	32	556.8	392.1	0.9	0.02	0.09	0	4.25	**77.015**	**36.41**	**8.891**
ADA-141	0	0	32	190.7	135.8	0.9	0.02	0.09	0	2.21	**25.675**	4.091	0.307
ADA-142	0	0	32	598.8	421.5	0.9	0.02	0.09	0	4.47	**80.17**	**40.55**	**10.765**
ADA-143	0	0	32	277.2	196.4	0.9	0.02	0.09	0	2.71	**41.335**	**9.581**	1.056
ADA-144	0	0	32	746.9	525.2	0.9	0.02	0.09	0	5.23	**88.182**	**53.875**	**18.334**
ADA-145	0	0	32	372.8	263.3	0.9	0.02	0.09	0	3.25	**56.641**	**17.889**	2.745
ADA-146	0	0	32	391.9	276.6	0.9	0.02	0.09	0	3.35	**59.316**	**19.733**	3.207
ADA-147	0	0	32	767.4	539.5	0.9	0.02	0.09	0	5.34	**88.988**	**55.528**	**19.462**
ADA-148	0	0	32	370.8	261.9	0.9	0.02	0.09	0	3.23	**56.359**	**17.702**	2.7
ADA-150	0	0	32	626.7	441	0.9	0.02	0.09	0	4.61	**82.023**	**43.226**	**12.088**
ADA-151	0	0	32	437.5	308.5	0.9	0.02	0.09	0	3.6	**65.156**	**24.28**	4.482
ADA-152	0	0	32	299.8	212.2	0.9	0.02	0.09	0	2.84	**45.215**	**11.37**	1.365
ADA-153	0	0	32	448	315.9	0.9	0.02	0.09	0	3.66	**66.395**	**25.347**	4.81
ADA-154	0	0	32	397	280.2	0.9	0.02	0.09	0	3.38	**60.003**	**20.23**	3.337
ADA-155	0	0	32	319.4	225.9	0.9	0.02	0.09	0	2.95	**48.452**	**13.015**	1.677
ADA-156	0	0	32	375.5	265.1	0.9	0.02	0.09	0	3.26	**57.03**	**18.149**	2.809
ADA-158	0	0	32	388.4	274.2	0.9	0.02	0.09	0	3.33	**58.834**	**19.391**	3.119
ADA-159	0	0	32	516.7	364	0.9	0.02	0.09	0	4.03	**73.533**	**32.353**	**7.244**
ADA-160	0	0	32	348.3	246.1	0.9	0.02	0.09	0	3.11	**53.019**	**15.598**	2.216
ADA-161	0	0	32	384.9	271.7	0.9	0.02	0.09	0	3.31	**58.349**	**19.051**	3.033
ADA-162	0	0	32	898.3	631.1	0.9	0.02	0.09	0	5.99	**92.933**	**64.949**	**26.893**
ADA-164	0	0	32	496	349.5	0.9	0.02	0.09	0	3.92	**71.549**	**30.246**	**6.459**

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-165	0	0	32	563.8	397	0.9	0.02	0.09	0	4.28	**77.575**	**37.11**	**9.193**
ADA-168	0	0	32	313.5	221.8	0.9	0.02	0.09	0	2.91	**47.495**	**12.513**	1.579
ADA-169	0	0	32	68.2	50	0.9	0.02	0.09	0	1.48	**6.623**	0.478	0.016
ADA-170	0	0	32	108.6	78.3	0.9	0.02	0.09	0	1.72	**11.869**	1.165	0.054
ADA-171	0	0	32	94.9	68.7	0.9	0.02	0.09	0	1.64	**9.935**	0.884	0.037
ADA-172	0	0	32	69.1	50.7	0.9	0.02	0.09	0	1.48	**6.728**	0.489	0.017
ADA-173	0	0	32	89.3	64.8	0.9	0.02	0.09	0	1.61	**9.195**	0.785	0.032
ADA-174	0	0	32	76.7	56	0.9	0.02	0.09	0	1.53	**7.613**	0.589	0.022
ADA-175	0	0	32	82.8	60.3	0.9	0.02	0.09	0	1.57	**8.359**	0.679	0.026
ADA-176	0	0	32	78.6	57.3	0.9	0.02	0.09	0	1.54	**7.839**	0.616	0.023
ADA-177	0	0	32	71.2	52.2	0.9	0.02	0.09	0	1.5	**6.968**	0.516	0.018
ADA-178	0	0	32	55.5	41.1	0.9	0.02	0.09	0	1.4	**5.278**	0.341	0.011
ADA-179	0	0	32	67	49.2	0.9	0.02	0.09	0	1.47	**6.493**	0.464	0.016
ADA-180	0	0	32	128.7	92.4	0.9	0.02	0.09	0	1.84	**14.955**	1.678	0.089
ADA-181	0	0	32	100.6	72.7	0.9	0.02	0.09	0	1.67	**10.727**	0.995	0.044
ADA-182	0	0	32	40.7	30.8	0.9	0.02	0.09	0	1.31	3.93	0.222	0.006
ADA-183	0	0	32	58	42.9	0.9	0.02	0.09	0	1.42	**5.537**	0.366	0.012
ADA-184	0	0	32	84.3	61.3	0.9	0.02	0.09	0	1.58	**8.551**	0.703	0.027

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Future Resident, Smallmouth Bass
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 03`06`2020 SMB.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-001	0	0	32	354.1	250.1	0.9	0.02	0.07	0	3.14	**53.8**	**16.073**	2.321
ADA-002	0	0	32	60.4	44.5	0.9	0.02	0.07	0	1.43	**5.717**	0.384	0.012
ADA-004	0	0	32	161.4	115.3	0.9	0.02	0.07	0	2.03	**20.352**	2.768	0.177
ADA-005	0	0	32	84.7	61.6	0.9	0.02	0.07	0	1.58	**8.522**	0.699	0.027
ADA-006	0	0	32	294.8	208.6	0.9	0.02	0.07	0	2.8	**44.264**	**10.913**	1.284
ADA-008	0	0	32	347.4	245.5	0.9	0.02	0.07	0	3.1	**52.793**	**15.462**	2.186
ADA-010	0	0	32	526.4	370.8	0.9	0.02	0.07	0	4.08	**74.371**	**33.286**	**7.607**
ADA-015	0	0	32	175.5	125.1	0.9	0.02	0.07	0	2.11	**22.832**	3.353	0.232
ADA-016	0	0	32	258.6	183.3	0.9	0.02	0.07	0	2.6	**37.937**	**8.166**	0.833
ADA-017	0	0	32	290.1	205.4	0.9	0.02	0.07	0	2.78	**43.464**	**10.539**	1.218
ADA-018	0	0	32	526.4	370.8	0.9	0.02	0.07	0	4.08	**74.371**	**33.286**	**7.607**
ADA-019	0	0	32	114.4	82.4	0.9	0.02	0.07	0	1.75	**12.651**	1.288	0.062
ADA-020	0	0	32	104.2	75.2	0.9	0.02	0.07	0	1.69	**11.153**	1.058	0.047
ADA-021	0	0	32	106.8	77.1	0.9	0.02	0.07	0	1.71	**11.529**	1.113	0.051
ADA-023	0	0	32	177	126.2	0.9	0.02	0.07	0	2.12	**23.11**	3.422	0.239
ADA-024	0	0	32	510	359.3	0.9	0.02	0.07	0	3.99	**72.856**	**31.619**	**6.965**
ADA-025	0	0	32	243.3	172.6	0.9	0.02	0.07	0	2.51	**35.18**	**7.114**	0.681
ADA-026	0	0	32	84.2	61.3	0.9	0.02	0.07	0	1.57	**8.463**	0.692	0.027
ADA-028	0	0	32	242.1	171.8	0.9	0.02	0.07	0	2.5	**34.968**	**7.037**	0.67
ADA-033	0	0	32	88.7	64.4	0.9	0.02	0.07	0	1.6	**9.033**	0.764	0.031
ADA-034	0	0	32	76.5	55.8	0.9	0.02	0.07	0	1.53	**7.515**	0.578	0.021
ADA-035	0	0	32	215.3	153	0.9	0.02	0.07	0	2.35	**30.071**	**5.379**	0.454
ADA-039	0	0	32	41.2	31.1	0.9	0.02	0.07	0	1.31	3.921	0.221	0.006
ADA-042	0	0	32	95.2	69	0.9	0.02	0.07	0	1.64	**9.904**	0.88	0.037
ADA-043	0	0	32	180.1	128.4	0.9	0.02	0.07	0	2.14	**23.669**	3.563	0.252
ADA-044	0	0	32	164.9	117.8	0.9	0.02	0.07	0	2.05	**20.966**	2.908	0.19
ADA-045	0	0	32	379	267.6	0.9	0.02	0.07	0	3.28	**57.447**	**18.43**	2.878
ADA-046	0	0	32	210.6	149.7	0.9	0.02	0.07	0	2.32	**29.199**	**5.108**	0.421
ADA-047	0	0	32	325.6	230.2	0.9	0.02	0.07	0	2.98	**49.364**	**13.506**	1.774
ADA-048	0	0	32	143.6	102.8	0.9	0.02	0.07	0	1.93	**17.293**	2.12	0.122
ADA-049	0	0	32	53.7	39.9	0.9	0.02	0.07	0	1.39	**5.05**	0.32	0.01
ADA-050	0	0	32	429.3	302.8	0.9	0.02	0.07	0	3.55	**64.093**	**23.395**	4.218
ADA-051	0	0	32	122.8	88.3	0.9	0.02	0.07	0	1.8	**13.941**	1.501	0.076
ADA-052	0	0	32	412.9	291.4	0.9	0.02	0.07	0	3.46	**62.033**	**21.754**	3.75
ADA-053	0	0	32	102.7	74.2	0.9	0.02	0.07	0	1.68	**10.943**	1.027	0.046
ADA-054	0	0	32	501.9	353.6	0.9	0.02	0.07	0	3.95	**72.068**	**30.784**	**6.655**
ADA-055	0	0	32	209.8	149.1	0.9	0.02	0.07	0	2.31	**29.056**	**5.065**	0.416
ADA-056	0	0	32	84.6	61.5	0.9	0.02	0.07	0	1.57	**8.507**	0.697	0.027
ADA-057	0	0	32	132.4	95	0.9	0.02	0.07	0	1.86	**15.457**	1.769	0.096
ADA-058	0	0	32	93.5	67.7	0.9	0.02	0.07	0	1.63	**9.667**	0.848	0.035

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-059	0	0	32	143.3	102.6	0.9	0.02	0.07	0	1.92	**17.252**	2.112	0.122
ADA-060	0	0	32	474.5	334.5	0.9	0.02	0.07	0	3.8	**69.28**	**27.993**	**5.67**
ADA-061	0	0	32	123.9	89	0.9	0.02	0.07	0	1.81	**14.111**	1.53	0.078
ADA-062	0	0	32	346.3	244.7	0.9	0.02	0.07	0	3.09	**52.613**	**15.355**	2.162
ADA-063	0	0	32	145.1	103.8	0.9	0.02	0.07	0	1.94	**17.546**	2.171	0.127
ADA-064	0	0	32	166.1	118.6	0.9	0.02	0.07	0	2.06	**21.172**	2.956	0.194
ADA-065	0	0	32	382.5	270.1	0.9	0.02	0.07	0	3.3	**57.942**	**18.769**	2.962
ADA-066	0	0	32	167.3	119.4	0.9	0.02	0.07	0	2.07	**21.378**	3.004	0.199
ADA-067	0	0	32	106.8	77.1	0.9	0.02	0.07	0	1.71	**11.529**	1.113	0.051
ADA-070	0	0	32	243.3	172.6	0.9	0.02	0.07	0	2.51	**35.18**	**7.114**	0.681
ADA-071	0	0	32	274.9	194.7	0.9	0.02	0.07	0	2.69	**40.823**	**9.359**	1.02
ADA-073	0	0	32	310	219.3	0.9	0.02	0.07	0	2.89	**46.82**	**12.168**	1.513
ADA-076	0	0	32	285.7	202.3	0.9	0.02	0.07	0	2.75	**42.705**	**10.191**	1.158
ADA-078	0	0	32	255	180.8	0.9	0.02	0.07	0	2.58	**37.292**	**7.912**	0.795
ADA-079	0	0	32	149.7	107.1	0.9	0.02	0.07	0	1.96	**18.336**	2.332	0.14
ADA-081	0	0	32	186.8	133.1	0.9	0.02	0.07	0	2.18	**24.873**	3.875	0.284
ADA-082	0	0	32	197.7	140.7	0.9	0.02	0.07	0	2.24	**26.848**	4.416	0.342
ADA-084	0	0	32	184.8	131.7	0.9	0.02	0.07	0	2.17	**24.512**	3.78	0.275
ADA-085	0	0	32	146.2	104.7	0.9	0.02	0.07	0	1.94	**17.743**	2.211	0.13
ADA-088	0	0	32	325.2	229.9	0.9	0.02	0.07	0	2.98	**49.303**	**13.473**	1.768
ADA-089	0	0	32	328.7	232.4	0.9	0.02	0.07	0	3	**49.865**	**13.781**	1.83
ADA-090	0	0	32	252.7	179.2	0.9	0.02	0.07	0	2.56	**36.871**	**7.749**	0.771
ADA-091	0	0	32	280.8	198.8	0.9	0.02	0.07	0	2.72	**41.846**	**9.806**	1.093
ADA-092	0	0	32	223.4	158.7	0.9	0.02	0.07	0	2.39	**31.554**	**5.855**	0.513
ADA-093	0	0	32	181.3	129.2	0.9	0.02	0.07	0	2.15	**23.879**	3.616	0.258
ADA-094	0	0	32	99.7	72.1	0.9	0.02	0.07	0	1.67	**10.516**	0.965	0.042
ADA-095	0	0	32	163.8	116.9	0.9	0.02	0.07	0	2.05	**20.761**	2.861	0.186
ADA-096	0	0	32	364.2	257.2	0.9	0.02	0.07	0	3.19	**55.305**	**17.017**	2.538
ADA-097	0	0	32	533.4	375.7	0.9	0.02	0.07	0	4.12	**74.994**	**33.997**	**7.889**
ADA-099	0	0	32	257.4	182.4	0.9	0.02	0.07	0	2.59	**37.712**	**8.077**	0.82
ADA-101	0	0	32	224.6	159.5	0.9	0.02	0.07	0	2.4	**31.769**	**5.926**	0.522
ADA-102	0	0	32	126.3	90.7	0.9	0.02	0.07	0	1.82	**14.492**	1.596	0.083
ADA-103	0	0	32	173.1	123.5	0.9	0.02	0.07	0	2.1	**22.414**	3.251	0.222
ADA-104	0	0	32	79.4	57.9	0.9	0.02	0.07	0	1.54	**7.868**	0.619	0.023
ADA-105	0	0	32	226.9	161.2	0.9	0.02	0.07	0	2.41	**32.197**	**6.068**	0.54
ADA-106	0	0	32	79.7	58.1	0.9	0.02	0.07	0	1.54	**7.896**	0.623	0.023
ADA-107	0	0	32	147.4	105.5	0.9	0.02	0.07	0	1.95	**17.941**	2.251	0.133
ADA-108	0	0	32	226.6	160.9	0.9	0.02	0.07	0	2.41	**32.126**	**6.045**	0.537
ADA-109	0	0	32	379	267.6	0.9	0.02	0.07	0	3.28	**57.447**	**18.43**	2.878
ADA-110	0	0	32	265.5	188.2	0.9	0.02	0.07	0	2.64	**39.172**	**8.665**	0.91
ADA-111	0	0	32	119.3	85.8	0.9	0.02	0.07	0	1.78	**13.397**	1.409	0.07
ADA-112	0	0	32	102.6	74.1	0.9	0.02	0.07	0	1.68	**10.925**	1.024	0.045
ADA-113	0	0	32	162.6	116.1	0.9	0.02	0.07	0	2.04	**20.556**	2.815	0.181
ADA-114	0	0	32	114.2	82.2	0.9	0.02	0.07	0	1.75	**12.616**	1.282	0.062
ADA-115	0	0	32	142.7	102.2	0.9	0.02	0.07	0	1.92	**17.154**	2.093	0.12
ADA-116	0	0	32	112.4	81	0.9	0.02	0.07	0	1.74	**12.354**	1.241	0.059
ADA-117	0	0	32	193	137.4	0.9	0.02	0.07	0	2.22	**25.995**	4.178	0.316
ADA-118	0	0	32	190.7	135.8	0.9	0.02	0.07	0	2.2	**25.57**	4.062	0.304
ADA-119	0	0	32	205.9	146.4	0.9	0.02	0.07	0	2.29	**28.343**	4.85	0.391
ADA-121	0	0	32	238.6	169.4	0.9	0.02	0.07	0	2.48	**34.331**	**6.807**	0.638
ADA-122	0	0	32	57.1	42.3	0.9	0.02	0.07	0	1.41	**5.384**	0.351	0.011
ADA-124	0	0	32	176.3	125.7	0.9	0.02	0.07	0	2.12	**22.971**	3.388	0.235
ADA-125	0	0	32	150.9	107.9	0.9	0.02	0.07	0	1.97	**18.53**	2.373	0.143
ADA-126	0	0	32	427.4	301.5	0.9	0.02	0.07	0	3.54	**63.861**	**23.205**	4.163
ADA-127	0	0	32	212.9	151.3	0.9	0.02	0.07	0	2.33	**29.626**	**5.24**	0.437
ADA-128	0	0	32	362.6	256.1	0.9	0.02	0.07	0	3.19	**55.08**	**16.873**	2.505
ADA-131	0	0	32	384.9	271.7	0.9	0.02	0.07	0	3.31	**58.268**	**18.995**	3.018

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-132	0	0	32	170.8	121.8	0.9	0.02	0.07	0	2.09	**21.998**	3.151	0.212
ADA-133	0	0	32	338.1	238.9	0.9	0.02	0.07	0	3.05	**51.344**	**14.614**	2.003
ADA-135	0	0	32	140.4	100.6	0.9	0.02	0.07	0	1.91	**16.765**	2.017	0.114
ADA-136	0	0	32	384.9	271.7	0.9	0.02	0.07	0	3.31	**58.268**	**18.995**	3.018
ADA-139	0	0	32	221.1	157.1	0.9	0.02	0.07	0	2.38	**31.126**	**5.715**	0.495
ADA-140	0	0	32	556.8	392.1	0.9	0.02	0.07	0	4.24	**76.968**	**36.352**	**8.866**
ADA-141	0	0	32	190.7	135.8	0.9	0.02	0.07	0	2.2	**25.57**	4.062	0.304
ADA-142	0	0	32	598.8	421.5	0.9	0.02	0.07	0	4.47	**80.13**	**40.494**	**10.738**
ADA-143	0	0	32	277.2	196.4	0.9	0.02	0.07	0	2.7	**41.234**	**9.537**	1.049
ADA-144	0	0	32	746.9	525.2	0.9	0.02	0.07	0	5.23	**88.159**	**53.828**	**18.302**
ADA-145	0	0	32	372.8	263.3	0.9	0.02	0.07	0	3.24	**56.558**	**17.834**	2.732
ADA-146	0	0	32	391.9	276.6	0.9	0.02	0.07	0	3.35	**59.237**	**19.677**	3.193
ADA-147	0	0	32	767.4	539.5	0.9	0.02	0.07	0	5.33	**88.966**	**55.482**	**19.43**
ADA-148	0	0	32	370.8	261.9	0.9	0.02	0.07	0	3.23	**56.276**	**17.647**	2.687
ADA-150	0	0	32	626.7	441	0.9	0.02	0.07	0	4.61	**81.986**	**43.171**	**12.059**
ADA-151	0	0	32	437.5	308.5	0.9	0.02	0.07	0	3.6	**65.086**	**24.221**	4.464
ADA-152	0	0	32	299.8	212.2	0.9	0.02	0.07	0	2.83	**45.117**	**11.323**	1.357
ADA-153	0	0	32	448	315.9	0.9	0.02	0.07	0	3.66	**66.327**	**25.289**	4.791
ADA-154	0	0	32	397	280.2	0.9	0.02	0.07	0	3.38	**59.925**	**20.173**	3.322
ADA-155	0	0	32	319.4	225.9	0.9	0.02	0.07	0	2.94	**48.357**	**12.965**	1.667
ADA-156	0	0	32	375.5	265.1	0.9	0.02	0.07	0	3.26	**56.948**	**18.093**	2.795
ADA-158	0	0	32	388.4	274.2	0.9	0.02	0.07	0	3.33	**58.754**	**19.335**	3.105
ADA-159	0	0	32	516.7	364	0.9	0.02	0.07	0	4.03	**73.479**	**32.294**	**7.222**
ADA-160	0	0	32	348.3	246.1	0.9	0.02	0.07	0	3.11	**52.93**	**15.545**	2.204
ADA-161	0	0	32	384.9	271.7	0.9	0.02	0.07	0	3.31	**58.268**	**18.995**	3.018
ADA-162	0	0	32	898.3	631.1	0.9	0.02	0.07	0	5.99	**92.919**	**64.912**	**26.86**
ADA-164	0	0	32	496	349.5	0.9	0.02	0.07	0	3.92	**71.492**	**30.186**	**6.438**
ADA-165	0	0	32	563.8	397	0.9	0.02	0.07	0	4.28	**77.529**	**37.053**	**9.168**
ADA-168	0	0	32	313.5	221.8	0.9	0.02	0.07	0	2.91	**47.399**	**12.464**	1.569
ADA-169	0	0	32	68.2	50	0.9	0.02	0.07	0	1.48	**6.559**	0.471	0.016
ADA-170	0	0	32	108.6	78.3	0.9	0.02	0.07	0	1.72	**11.784**	1.152	0.053
ADA-171	0	0	32	94.9	68.7	0.9	0.02	0.07	0	1.64	**9.856**	0.874	0.037
ADA-172	0	0	32	69.1	50.7	0.9	0.02	0.07	0	1.48	**6.663**	0.482	0.017
ADA-173	0	0	32	89.3	64.8	0.9	0.02	0.07	0	1.6	**9.119**	0.775	0.031
ADA-174	0	0	32	76.7	56	0.9	0.02	0.07	0	1.53	**7.544**	0.581	0.021
ADA-175	0	0	32	82.8	60.3	0.9	0.02	0.07	0	1.56	**8.287**	0.67	0.026
ADA-176	0	0	32	78.6	57.3	0.9	0.02	0.07	0	1.54	**7.768**	0.608	0.023
ADA-177	0	0	32	71.2	52.2	0.9	0.02	0.07	0	1.49	**6.901**	0.508	0.018
ADA-178	0	0	32	55.5	41.1	0.9	0.02	0.07	0	1.4	**5.221**	0.336	0.01
ADA-179	0	0	32	67	49.2	0.9	0.02	0.07	0	1.47	**6.429**	0.457	0.016
ADA-180	0	0	32	128.7	92.4	0.9	0.02	0.07	0	1.84	**14.862**	1.662	0.088
ADA-181	0	0	32	100.6	72.7	0.9	0.02	0.07	0	1.67	**10.645**	0.984	0.043
ADA-182	0	0	32	40.7	30.8	0.9	0.02	0.07	0	1.31	3.882	0.218	0.006
ADA-183	0	0	32	58	42.9	0.9	0.02	0.07	0	1.41	**5.478**	0.36	0.011
ADA-184	0	0	32	84.3	61.3	0.9	0.02	0.07	0	1.57	**8.478**	0.694	0.027

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Future Resident, Sturgeon
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 03`06`2020 STU.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-001	0	0	32	354.1	250.1	0.9	0.02	0.02	0	3.13	**53.581**	**15.939**	2.291
ADA-002	0	0	32	60.4	44.5	0.9	0.02	0.02	0	1.42	**5.568**	0.369	0.012
ADA-004	0	0	32	161.4	115.3	0.9	0.02	0.02	0	2.02	**20.099**	2.712	0.172
ADA-005	0	0	32	84.7	61.6	0.9	0.02	0.02	0	1.57	**8.34**	0.677	0.026
ADA-006	0	0	32	294.8	208.6	0.9	0.02	0.02	0	2.8	**44.016**	**10.797**	1.263
ADA-008	0	0	32	347.4	245.5	0.9	0.02	0.02	0	3.09	**52.57**	**15.33**	2.157
ADA-010	0	0	32	526.4	370.8	0.9	0.02	0.02	0	4.07	**74.24**	**33.138**	**7.549**
ADA-015	0	0	32	175.5	125.1	0.9	0.02	0.02	0	2.11	**22.573**	3.29	0.226
ADA-016	0	0	32	258.6	183.3	0.9	0.02	0.02	0	2.59	**37.678**	**8.063**	0.818
ADA-017	0	0	32	290.1	205.4	0.9	0.02	0.02	0	2.77	**43.215**	**10.424**	1.198
ADA-018	0	0	32	526.4	370.8	0.9	0.02	0.02	0	4.07	**74.24**	**33.138**	**7.549**
ADA-019	0	0	32	114.4	82.4	0.9	0.02	0.02	0	1.74	**12.434**	1.253	0.06
ADA-020	0	0	32	104.2	75.2	0.9	0.02	0.02	0	1.68	**10.947**	1.027	0.046
ADA-021	0	0	32	106.8	77.1	0.9	0.02	0.02	0	1.7	**11.32**	1.082	0.049
ADA-023	0	0	32	177	126.2	0.9	0.02	0.02	0	2.11	**22.851**	3.358	0.232
ADA-024	0	0	32	510	359.3	0.9	0.02	0.02	0	3.99	**72.718**	**31.471**	**6.91**
ADA-025	0	0	32	243.3	172.6	0.9	0.02	0.02	0	2.5	**34.917**	**7.019**	0.667
ADA-026	0	0	32	84.2	61.3	0.9	0.02	0.02	0	1.56	**8.281**	0.669	0.026
ADA-028	0	0	32	242.1	171.8	0.9	0.02	0.02	0	2.49	**34.705**	**6.942**	0.657
ADA-033	0	0	32	88.7	64.4	0.9	0.02	0.02	0	1.59	**8.845**	0.74	0.029
ADA-034	0	0	32	76.5	55.8	0.9	0.02	0.02	0	1.52	**7.344**	0.558	0.02
ADA-035	0	0	32	215.3	153	0.9	0.02	0.02	0	2.34	**29.806**	**5.296**	0.444
ADA-039	0	0	32	41.2	31.1	0.9	0.02	0.02	0	1.3	3.801	0.211	0.006
ADA-042	0	0	32	95.2	69	0.9	0.02	0.02	0	1.63	**9.708**	0.853	0.036
ADA-043	0	0	32	180.1	128.4	0.9	0.02	0.02	0	2.13	**23.409**	3.497	0.246
ADA-044	0	0	32	164.9	117.8	0.9	0.02	0.02	0	2.04	**20.712**	2.85	0.185
ADA-045	0	0	32	379	267.6	0.9	0.02	0.02	0	3.27	**57.241**	**18.291**	2.843
ADA-046	0	0	32	210.6	149.7	0.9	0.02	0.02	0	2.31	**28.934**	**5.028**	0.412
ADA-047	0	0	32	325.6	230.2	0.9	0.02	0.02	0	2.97	**49.131**	**13.379**	1.749
ADA-048	0	0	32	143.6	102.8	0.9	0.02	0.02	0	1.92	**17.051**	2.073	0.119
ADA-049	0	0	32	53.7	39.9	0.9	0.02	0.02	0	1.38	4.911	0.307	0.009

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-050	0	0	32	429.3	302.8	0.9	0.02	0.02	0	3.55	**63.915**	**23.249**	4.176
ADA-051	0	0	32	122.8	88.3	0.9	0.02	0.02	0	1.79	**13.716**	1.463	0.074
ADA-052	0	0	32	412.9	291.4	0.9	0.02	0.02	0	3.46	**61.845**	**21.61**	3.71
ADA-053	0	0	32	102.7	74.2	0.9	0.02	0.02	0	1.67	**10.739**	0.997	0.044
ADA-054	0	0	32	501.9	353.6	0.9	0.02	0.02	0	3.94	**71.926**	**30.636**	**6.601**
ADA-055	0	0	32	209.8	149.1	0.9	0.02	0.02	0	2.31	**28.79**	4.984	0.407
ADA-056	0	0	32	84.6	61.5	0.9	0.02	0.02	0	1.57	**8.325**	0.675	0.026
ADA-057	0	0	32	132.4	95	0.9	0.02	0.02	0	1.85	**15.224**	1.727	0.092
ADA-058	0	0	32	93.5	67.7	0.9	0.02	0.02	0	1.62	**9.474**	0.822	0.034
ADA-059	0	0	32	143.3	102.6	0.9	0.02	0.02	0	1.92	**17.01**	2.064	0.118
ADA-060	0	0	32	474.5	334.5	0.9	0.02	0.02	0	3.79	**69.125**	**27.845**	**5.62**
ADA-061	0	0	32	123.9	89	0.9	0.02	0.02	0	1.8	**13.885**	1.491	0.076
ADA-062	0	0	32	346.3	244.7	0.9	0.02	0.02	0	3.09	**52.39**	**15.223**	2.134
ADA-063	0	0	32	145.1	103.8	0.9	0.02	0.02	0	1.93	**17.304**	2.122	0.123
ADA-064	0	0	32	166.1	118.6	0.9	0.02	0.02	0	2.05	**20.918**	2.897	0.189
ADA-065	0	0	32	382.5	270.1	0.9	0.02	0.02	0	3.29	**57.738**	**18.629**	2.927
ADA-066	0	0	32	167.3	119.4	0.9	0.02	0.02	0	2.06	**21.123**	2.945	0.193
ADA-067	0	0	32	106.8	77.1	0.9	0.02	0.02	0	1.7	**11.32**	1.082	0.049
ADA-070	0	0	32	243.3	172.6	0.9	0.02	0.02	0	2.5	**34.917**	**7.019**	0.667
ADA-071	0	0	32	274.9	194.7	0.9	0.02	0.02	0	2.68	**40.569**	**9.25**	1.002
ADA-073	0	0	32	310	219.3	0.9	0.02	0.02	0	2.88	**46.58**	**12.046**	1.49
ADA-076	0	0	32	285.7	202.3	0.9	0.02	0.02	0	2.74	**42.455**	**10.078**	1.139
ADA-078	0	0	32	255	180.8	0.9	0.02	0.02	0	2.57	**37.031**	**7.811**	0.781
ADA-079	0	0	32	149.7	107.1	0.9	0.02	0.02	0	1.95	**18.09**	2.281	0.136
ADA-081	0	0	32	186.8	133.1	0.9	0.02	0.02	0	2.17	**24.612**	3.806	0.277
ADA-082	0	0	32	197.7	140.7	0.9	0.02	0.02	0	2.24	**26.584**	4.342	0.334
ADA-084	0	0	32	184.8	131.7	0.9	0.02	0.02	0	2.16	**24.251**	3.712	0.268
ADA-085	0	0	32	146.2	104.7	0.9	0.02	0.02	0	1.93	**17.5**	2.162	0.126
ADA-088	0	0	32	325.2	229.9	0.9	0.02	0.02	0	2.97	**49.07**	**13.346**	1.742
ADA-089	0	0	32	328.7	232.4	0.9	0.02	0.02	0	2.99	**49.634**	**13.653**	1.804
ADA-090	0	0	32	252.7	179.2	0.9	0.02	0.02	0	2.55	**36.61**	**7.649**	0.757
ADA-091	0	0	32	280.8	198.8	0.9	0.02	0.02	0	2.72	**41.594**	**9.695**	1.075
ADA-092	0	0	32	223.4	158.7	0.9	0.02	0.02	0	2.39	**31.289**	**5.768**	0.502
ADA-093	0	0	32	181.3	129.2	0.9	0.02	0.02	0	2.14	**23.619**	3.55	0.251
ADA-094	0	0	32	99.7	72.1	0.9	0.02	0.02	0	1.66	**10.315**	0.937	0.04
ADA-095	0	0	32	163.8	116.9	0.9	0.02	0.02	0	2.04	**20.508**	2.804	0.18
ADA-096	0	0	32	364.2	257.2	0.9	0.02	0.02	0	3.19	**55.091**	**16.881**	2.506
ADA-097	0	0	32	533.4	375.7	0.9	0.02	0.02	0	4.11	**74.867**	**33.85**	**7.831**
ADA-099	0	0	32	257.4	182.4	0.9	0.02	0.02	0	2.58	**37.452**	**7.975**	0.805
ADA-101	0	0	32	224.6	159.5	0.9	0.02	0.02	0	2.39	**31.504**	**5.838**	0.511
ADA-102	0	0	32	126.3	90.7	0.9	0.02	0.02	0	1.82	**14.264**	1.557	0.08
ADA-103	0	0	32	173.1	123.5	0.9	0.02	0.02	0	2.09	**22.157**	3.189	0.216
ADA-104	0	0	32	79.4	57.9	0.9	0.02	0.02	0	1.53	**7.692**	0.599	0.022
ADA-105	0	0	32	226.9	161.2	0.9	0.02	0.02	0	2.41	**31.932**	**5.98**	0.529
ADA-106	0	0	32	79.7	58.1	0.9	0.02	0.02	0	1.54	**7.72**	0.602	0.022
ADA-107	0	0	32	147.4	105.5	0.9	0.02	0.02	0	1.94	**17.696**	2.201	0.129
ADA-108	0	0	32	226.6	160.9	0.9	0.02	0.02	0	2.4	**31.861**	**5.956**	0.526
ADA-109	0	0	32	379	267.6	0.9	0.02	0.02	0	3.27	**57.241**	**18.291**	2.843

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-110	0	0	32	265.5	188.2	0.9	0.02	0.02	0	2.63	**38.915**	**8.559**	0.893
ADA-111	0	0	32	119.3	85.8	0.9	0.02	0.02	0	1.77	**13.176**	1.373	0.068
ADA-112	0	0	32	102.6	74.1	0.9	0.02	0.02	0	1.67	**10.721**	0.995	0.044
ADA-113	0	0	32	162.6	116.1	0.9	0.02	0.02	0	2.03	**20.303**	2.757	0.176
ADA-114	0	0	32	114.2	82.2	0.9	0.02	0.02	0	1.74	**12.399**	1.248	0.059
ADA-115	0	0	32	142.7	102.2	0.9	0.02	0.02	0	1.91	**16.913**	2.045	0.117
ADA-116	0	0	32	112.4	81	0.9	0.02	0.02	0	1.73	**12.139**	1.207	0.057
ADA-117	0	0	32	193	137.4	0.9	0.02	0.02	0	2.21	**25.732**	4.106	0.309
ADA-118	0	0	32	190.7	135.8	0.9	0.02	0.02	0	2.19	**25.307**	3.991	0.296
ADA-119	0	0	32	205.9	146.4	0.9	0.02	0.02	0	2.28	**28.078**	4.772	0.382
ADA-121	0	0	32	238.6	169.4	0.9	0.02	0.02	0	2.47	**34.067**	**6.713**	0.625
ADA-122	0	0	32	57.1	42.3	0.9	0.02	0.02	0	1.4	**5.24**	0.338	0.01
ADA-124	0	0	32	176.3	125.7	0.9	0.02	0.02	0	2.11	**22.713**	3.324	0.229
ADA-125	0	0	32	150.9	107.9	0.9	0.02	0.02	0	1.96	**18.283**	2.321	0.139
ADA-126	0	0	32	427.4	301.5	0.9	0.02	0.02	0	3.54	**63.682**	**23.06**	4.12
ADA-127	0	0	32	212.9	151.3	0.9	0.02	0.02	0	2.32	**29.361**	**5.158**	0.427
ADA-128	0	0	32	362.6	256.1	0.9	0.02	0.02	0	3.18	**54.865**	**16.737**	2.473
ADA-131	0	0	32	384.9	271.7	0.9	0.02	0.02	0	3.3	**58.066**	**18.854**	2.983
ADA-132	0	0	32	170.8	121.8	0.9	0.02	0.02	0	2.08	**21.742**	3.089	0.207
ADA-133	0	0	32	338.1	238.9	0.9	0.02	0.02	0	3.04	**51.117**	**14.483**	1.975
ADA-135	0	0	32	140.4	100.6	0.9	0.02	0.02	0	1.9	**16.526**	1.97	0.111
ADA-136	0	0	32	384.9	271.7	0.9	0.02	0.02	0	3.3	**58.066**	**18.854**	2.983
ADA-139	0	0	32	221.1	157.1	0.9	0.02	0.02	0	2.37	**30.861**	**5.63**	0.485
ADA-140	0	0	32	556.8	392.1	0.9	0.02	0.02	0	4.24	**76.85**	**36.207**	**8.804**
ADA-141	0	0	32	190.7	135.8	0.9	0.02	0.02	0	2.19	**25.307**	3.991	0.296
ADA-142	0	0	32	598.8	421.5	0.9	0.02	0.02	0	4.46	**80.028**	**40.353**	**10.671**
ADA-143	0	0	32	277.2	196.4	0.9	0.02	0.02	0	2.7	**40.98**	**9.427**	1.031
ADA-144	0	0	32	746.9	525.2	0.9	0.02	0.02	0	5.22	**88.099**	**53.709**	**18.223**
ADA-145	0	0	32	372.8	263.3	0.9	0.02	0.02	0	3.23	**56.349**	**17.696**	2.699
ADA-146	0	0	32	391.9	276.6	0.9	0.02	0.02	0	3.34	**59.038**	**19.535**	3.156
ADA-147	0	0	32	767.4	539.5	0.9	0.02	0.02	0	5.33	**88.91**	**55.366**	**19.35**
ADA-148	0	0	32	370.8	261.9	0.9	0.02	0.02	0	3.22	**56.066**	**17.51**	2.654
ADA-150	0	0	32	626.7	441	0.9	0.02	0.02	0	4.6	**81.894**	**43.034**	**11.989**
ADA-151	0	0	32	437.5	308.5	0.9	0.02	0.02	0	3.59	**64.912**	**24.075**	4.42
ADA-152	0	0	32	299.8	212.2	0.9	0.02	0.02	0	2.82	**44.873**	**11.204**	1.335
ADA-153	0	0	32	448	315.9	0.9	0.02	0.02	0	3.65	**66.159**	**25.141**	4.745
ADA-154	0	0	32	397	280.2	0.9	0.02	0.02	0	3.37	**59.729**	**20.031**	3.285
ADA-155	0	0	32	319.4	225.9	0.9	0.02	0.02	0	2.93	**48.121**	**12.84**	1.642
ADA-156	0	0	32	375.5	265.1	0.9	0.02	0.02	0	3.25	**56.74**	**17.955**	2.761
ADA-158	0	0	32	388.4	274.2	0.9	0.02	0.02	0	3.32	**58.554**	**19.194**	3.069
ADA-159	0	0	32	516.7	364	0.9	0.02	0.02	0	4.02	**73.344**	**32.147**	**7.165**
ADA-160	0	0	32	348.3	246.1	0.9	0.02	0.02	0	3.1	**52.708**	**15.412**	2.175
ADA-161	0	0	32	384.9	271.7	0.9	0.02	0.02	0	3.3	**58.066**	**18.854**	2.983
ADA-162	0	0	32	898.3	631.1	0.9	0.02	0.02	0	5.98	**92.885**	**64.818**	**26.777**
ADA-164	0	0	32	496	349.5	0.9	0.02	0.02	0	3.91	**71.347**	**30.038**	**6.384**
ADA-165	0	0	32	563.8	397	0.9	0.02	0.02	0	4.27	**77.414**	**36.908**	**9.105**
ADA-168	0	0	32	313.5	221.8	0.9	0.02	0.02	0	2.9	**47.16**	**12.341**	1.546
ADA-169	0	0	32	68.2	50	0.9	0.02	0.02	0	1.47	**6.398**	0.454	0.015

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-170	0	0	32	108.6	78.3	0.9	0.02	0.02	0	1.71	**11.574**	1.12	0.051
ADA-171	0	0	32	94.9	68.7	0.9	0.02	0.02	0	1.63	**9.661**	0.847	0.035
ADA-172	0	0	32	69.1	50.7	0.9	0.02	0.02	0	1.47	**6.502**	0.465	0.016
ADA-173	0	0	32	89.3	64.8	0.9	0.02	0.02	0	1.59	**8.93**	0.751	0.03
ADA-174	0	0	32	76.7	56	0.9	0.02	0.02	0	1.52	**7.372**	0.561	0.02
ADA-175	0	0	32	82.8	60.3	0.9	0.02	0.02	0	1.56	**8.107**	0.648	0.025
ADA-176	0	0	32	78.6	57.3	0.9	0.02	0.02	0	1.53	**7.594**	0.587	0.022
ADA-177	0	0	32	71.2	52.2	0.9	0.02	0.02	0	1.49	**6.737**	0.49	0.017
ADA-178	0	0	32	55.5	41.1	0.9	0.02	0.02	0	1.39	**5.079**	0.322	0.01
ADA-179	0	0	32	67	49.2	0.9	0.02	0.02	0	1.46	**6.271**	0.441	0.015
ADA-180	0	0	32	128.7	92.4	0.9	0.02	0.02	0	1.83	**14.632**	1.621	0.085
ADA-181	0	0	32	100.6	72.7	0.9	0.02	0.02	0	1.66	**10.443**	0.955	0.041
ADA-182	0	0	32	40.7	30.8	0.9	0.02	0.02	0	1.3	3.763	0.208	0.006
ADA-183	0	0	32	58	42.9	0.9	0.02	0.02	0	1.41	**5.333**	0.346	0.011
ADA-184	0	0	32	84.3	61.3	0.9	0.02	0.02	0	1.56	**8.296**	0.671	0.026

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Future Resident, Sucker
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 03`06`2020 SUC.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-001	0	0	32	354.1	250.1	0.9	0.02	0.57	0	3.22	**55.946**	**17.431**	2.636
ADA-002	0	0	32	60.4	44.5	0.9	0.02	0.57	0	1.52	**7.318**	0.555	0.02
ADA-004	0	0	32	161.4	115.3	0.9	0.02	0.57	0	2.12	**22.911**	3.373	0.234
ADA-005	0	0	32	84.7	61.6	0.9	0.02	0.57	0	1.66	**10.447**	0.956	0.041
ADA-006	0	0	32	294.8	208.6	0.9	0.02	0.57	0	2.89	**46.701**	**12.107**	1.502
ADA-008	0	0	32	347.4	245.5	0.9	0.02	0.57	0	3.18	**54.974**	**16.806**	2.489
ADA-010	0	0	32	526.4	370.8	0.9	0.02	0.57	0	4.16	**75.643**	**34.753**	**8.196**
ADA-015	0	0	32	175.5	125.1	0.9	0.02	0.57	0	2.2	**25.44**	4.027	0.3
ADA-016	0	0	32	258.6	183.3	0.9	0.02	0.57	0	2.68	**40.508**	**9.224**	0.998
ADA-017	0	0	32	290.1	205.4	0.9	0.02	0.57	0	2.86	**45.921**	**11.717**	1.429
ADA-018	0	0	32	526.4	370.8	0.9	0.02	0.57	0	4.16	**75.643**	**34.753**	**8.196**
ADA-019	0	0	32	114.4	82.4	0.9	0.02	0.57	0	1.84	**14.896**	1.668	0.088
ADA-020	0	0	32	104.2	75.2	0.9	0.02	0.57	0	1.78	**13.298**	1.393	0.069
ADA-021	0	0	32	106.8	77.1	0.9	0.02	0.57	0	1.79	**13.701**	1.46	0.073
ADA-023	0	0	32	177	126.2	0.9	0.02	0.57	0	2.21	**25.722**	4.104	0.308
ADA-024	0	0	32	510	359.3	0.9	0.02	0.57	0	4.07	**74.201**	**33.095**	**7.532**
ADA-025	0	0	32	243.3	172.6	0.9	0.02	0.57	0	2.59	**37.792**	**8.109**	0.825
ADA-026	0	0	32	84.2	61.3	0.9	0.02	0.57	0	1.66	**10.382**	0.946	0.041
ADA-028	0	0	32	242.1	171.8	0.9	0.02	0.57	0	2.59	**37.582**	**8.026**	0.812
ADA-033	0	0	32	88.7	64.4	0.9	0.02	0.57	0	1.69	**11.005**	1.036	0.046
ADA-034	0	0	32	76.5	55.8	0.9	0.02	0.57	0	1.61	**9.337**	0.804	0.033
ADA-035	0	0	32	215.3	153	0.9	0.02	0.57	0	2.43	**32.722**	**6.246**	0.563
ADA-039	0	0	32	41.2	31.1	0.9	0.02	0.57	0	1.4	**5.241**	0.338	0.01
ADA-042	0	0	32	95.2	69	0.9	0.02	0.57	0	1.73	**11.953**	1.178	0.055
ADA-043	0	0	32	180.1	128.4	0.9	0.02	0.57	0	2.23	**26.289**	4.26	0.325
ADA-044	0	0	32	164.9	117.8	0.9	0.02	0.57	0	2.14	**23.54**	3.53	0.249
ADA-045	0	0	32	379	267.6	0.9	0.02	0.57	0	3.36	**59.459**	**19.836**	3.234
ADA-046	0	0	32	210.6	149.7	0.9	0.02	0.57	0	2.4	**31.852**	**5.953**	0.525
ADA-047	0	0	32	325.6	230.2	0.9	0.02	0.57	0	3.06	**51.657**	**14.794**	2.041
ADA-048	0	0	32	143.6	102.8	0.9	0.02	0.57	0	2.01	**19.761**	2.637	0.166
ADA-049	0	0	32	53.7	39.9	0.9	0.02	0.57	0	1.48	**6.556**	0.471	0.016
ADA-050	0	0	32	429.3	302.8	0.9	0.02	0.57	0	3.63	**65.835**	**24.861**	4.659

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-051	0	0	32	122.8	88.3	0.9	0.02	0.57	0	1.89	**16.26**	1.919	0.107
ADA-052	0	0	32	412.9	291.4	0.9	0.02	0.57	0	3.54	**63.862**	**23.206**	4.163
ADA-053	0	0	32	102.7	74.2	0.9	0.02	0.57	0	1.77	**13.073**	1.356	0.066
ADA-054	0	0	32	501.9	353.6	0.9	0.02	0.57	0	4.03	**73.45**	**32.263**	**7.209**
ADA-055	0	0	32	209.8	149.1	0.9	0.02	0.57	0	2.4	**31.708**	**5.906**	0.519
ADA-056	0	0	32	84.6	61.5	0.9	0.02	0.57	0	1.66	**10.43**	0.953	0.041
ADA-057	0	0	32	132.4	95	0.9	0.02	0.57	0	1.95	**17.851**	2.233	0.132
ADA-058	0	0	32	93.5	67.7	0.9	0.02	0.57	0	1.71	**11.696**	1.139	0.052
ADA-059	0	0	32	143.3	102.6	0.9	0.02	0.57	0	2.01	**19.718**	2.628	0.165
ADA-060	0	0	32	474.5	334.5	0.9	0.02	0.57	0	3.88	**70.792**	**29.475**	**6.184**
ADA-061	0	0	32	123.9	89	0.9	0.02	0.57	0	1.9	**16.439**	1.954	0.109
ADA-062	0	0	32	346.3	244.7	0.9	0.02	0.57	0	3.17	**54.8**	**16.696**	2.464
ADA-063	0	0	32	145.1	103.8	0.9	0.02	0.57	0	2.02	**20.023**	2.695	0.171
ADA-064	0	0	32	166.1	118.6	0.9	0.02	0.57	0	2.14	**23.75**	3.583	0.255
ADA-065	0	0	32	382.5	270.1	0.9	0.02	0.57	0	3.38	**59.935**	**20.18**	3.324
ADA-066	0	0	32	167.3	119.4	0.9	0.02	0.57	0	2.15	**23.96**	3.637	0.26
ADA-067	0	0	32	106.8	77.1	0.9	0.02	0.57	0	1.79	**13.701**	1.46	0.073
ADA-070	0	0	32	243.3	172.6	0.9	0.02	0.57	0	2.59	**37.792**	**8.109**	0.825
ADA-071	0	0	32	274.9	194.7	0.9	0.02	0.57	0	2.77	**43.34**	**10.482**	1.208
ADA-073	0	0	32	310	219.3	0.9	0.02	0.57	0	2.97	**49.189**	**13.41**	1.755
ADA-076	0	0	32	285.7	202.3	0.9	0.02	0.57	0	2.83	**45.18**	**11.353**	1.362
ADA-078	0	0	32	255	180.8	0.9	0.02	0.57	0	2.66	**39.874**	**8.956**	0.955
ADA-079	0	0	32	149.7	107.1	0.9	0.02	0.57	0	2.05	**20.839**	2.879	0.187
ADA-081	0	0	32	186.8	133.1	0.9	0.02	0.57	0	2.27	**27.507**	4.605	0.363
ADA-082	0	0	32	197.7	140.7	0.9	0.02	0.57	0	2.33	**29.496**	**5.199**	0.432
ADA-084	0	0	32	184.8	131.7	0.9	0.02	0.57	0	2.25	**27.142**	4.5	0.352
ADA-085	0	0	32	146.2	104.7	0.9	0.02	0.57	0	2.03	**20.227**	2.74	0.175
ADA-088	0	0	32	325.2	229.9	0.9	0.02	0.57	0	3.06	**51.598**	**14.76**	2.034
ADA-089	0	0	32	328.7	232.4	0.9	0.02	0.57	0	3.08	**52.143**	**15.077**	2.102
ADA-090	0	0	32	252.7	179.2	0.9	0.02	0.57	0	2.65	**39.459**	**8.783**	0.928
ADA-091	0	0	32	280.8	198.8	0.9	0.02	0.57	0	2.81	**44.341**	**10.95**	1.29
ADA-092	0	0	32	223.4	158.7	0.9	0.02	0.57	0	2.48	**34.199**	**6.76**	0.632
ADA-093	0	0	32	181.3	129.2	0.9	0.02	0.57	0	2.23	**26.502**	4.319	0.332
ADA-094	0	0	32	99.7	72.1	0.9	0.02	0.57	0	1.75	**12.613**	1.282	0.062
ADA-095	0	0	32	163.8	116.9	0.9	0.02	0.57	0	2.13	**23.33**	3.477	0.244
ADA-096	0	0	32	364.2	257.2	0.9	0.02	0.57	0	3.27	**57.397**	**18.396**	2.869
ADA-097	0	0	32	533.4	375.7	0.9	0.02	0.57	0	4.2	**76.236**	**35.46**	**8.489**
ADA-099	0	0	32	257.4	182.4	0.9	0.02	0.57	0	2.67	**40.287**	**9.13**	0.983
ADA-101	0	0	32	224.6	159.5	0.9	0.02	0.57	0	2.48	**34.412**	**6.836**	0.642
ADA-102	0	0	32	126.3	90.7	0.9	0.02	0.57	0	1.91	**16.84**	2.031	0.115
ADA-103	0	0	32	173.1	123.5	0.9	0.02	0.57	0	2.19	**25.015**	3.913	0.288
ADA-104	0	0	32	79.4	57.9	0.9	0.02	0.57	0	1.63	**9.727**	0.856	0.036
ADA-105	0	0	32	226.9	161.2	0.9	0.02	0.57	0	2.5	**34.838**	**6.99**	0.663
ADA-106	0	0	32	79.7	58.1	0.9	0.02	0.57	0	1.63	**9.757**	0.86	0.036
ADA-107	0	0	32	147.4	105.5	0.9	0.02	0.57	0	2.03	**20.431**	2.786	0.179
ADA-108	0	0	32	226.6	160.9	0.9	0.02	0.57	0	2.5	**34.767**	**6.964**	0.66
ADA-109	0	0	32	379	267.6	0.9	0.02	0.57	0	3.36	**59.459**	**19.836**	3.234
ADA-110	0	0	32	265.5	188.2	0.9	0.02	0.57	0	2.72	**41.722**	**9.751**	1.084
ADA-111	0	0	32	119.3	85.8	0.9	0.02	0.57	0	1.87	**15.687**	1.812	0.099

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-112	0	0	32	102.6	74.1	0.9	0.02	0.57	0	1.77	**13.054**	1.353	0.066
ADA-113	0	0	32	162.6	116.1	0.9	0.02	0.57	0	2.12	**23.12**	3.425	0.239
ADA-114	0	0	32	114.2	82.2	0.9	0.02	0.57	0	1.84	**14.859**	1.661	0.088
ADA-115	0	0	32	142.7	102.2	0.9	0.02	0.57	0	2.01	**19.617**	2.605	0.163
ADA-116	0	0	32	112.4	81	0.9	0.02	0.57	0	1.83	**14.58**	1.612	0.084
ADA-117	0	0	32	193	137.4	0.9	0.02	0.57	0	2.3	**28.639**	4.939	0.401
ADA-118	0	0	32	190.7	135.8	0.9	0.02	0.57	0	2.29	**28.21**	4.811	0.387
ADA-119	0	0	32	205.9	146.4	0.9	0.02	0.57	0	2.38	**30.996**	**5.673**	0.49
ADA-121	0	0	32	238.6	169.4	0.9	0.02	0.57	0	2.57	**36.953**	**7.781**	0.776
ADA-122	0	0	32	57.1	42.3	0.9	0.02	0.57	0	1.5	**6.939**	0.513	0.018
ADA-124	0	0	32	176.3	125.7	0.9	0.02	0.57	0	2.2	**25.582**	4.065	0.304
ADA-125	0	0	32	150.9	107.9	0.9	0.02	0.57	0	2.05	**21.039**	2.925	0.191
ADA-126	0	0	32	427.4	301.5	0.9	0.02	0.57	0	3.62	**65.613**	**24.67**	4.6
ADA-127	0	0	32	212.9	151.3	0.9	0.02	0.57	0	2.42	**32.279**	**6.096**	0.544
ADA-128	0	0	32	362.6	256.1	0.9	0.02	0.57	0	3.27	**57.18**	**18.249**	2.833
ADA-131	0	0	32	384.9	271.7	0.9	0.02	0.57	0	3.39	**60.248**	**20.41**	3.384
ADA-132	0	0	32	170.8	121.8	0.9	0.02	0.57	0	2.17	**24.592**	3.801	0.277
ADA-133	0	0	32	338.1	238.9	0.9	0.02	0.57	0	3.13	**53.574**	**15.935**	2.29
ADA-135	0	0	32	140.4	100.6	0.9	0.02	0.57	0	1.99	**19.213**	2.518	0.155
ADA-136	0	0	32	384.9	271.7	0.9	0.02	0.57	0	3.39	**60.248**	**20.41**	3.384
ADA-139	0	0	32	221.1	157.1	0.9	0.02	0.57	0	2.46	**33.773**	**6.61**	0.611
ADA-140	0	0	32	556.8	392.1	0.9	0.02	0.57	0	4.32	**78.114**	**37.797**	**9.496**
ADA-141	0	0	32	190.7	135.8	0.9	0.02	0.57	0	2.29	**28.21**	4.811	0.387
ADA-142	0	0	32	598.8	421.5	0.9	0.02	0.57	0	4.54	**81.118**	**41.894**	**11.418**
ADA-143	0	0	32	277.2	196.4	0.9	0.02	0.57	0	2.79	**43.742**	**10.668**	1.24
ADA-144	0	0	32	746.9	525.2	0.9	0.02	0.57	0	5.3	**88.737**	**55.006**	**19.101**
ADA-145	0	0	32	372.8	263.3	0.9	0.02	0.57	0	3.32	**58.604**	**19.229**	3.078
ADA-146	0	0	32	391.9	276.6	0.9	0.02	0.57	0	3.43	**61.179**	**21.103**	3.57
ADA-147	0	0	32	767.4	539.5	0.9	0.02	0.57	0	5.41	**89.502**	**56.625**	**20.238**
ADA-148	0	0	32	370.8	261.9	0.9	0.02	0.57	0	3.31	**58.332**	**19.039**	3.03
ADA-150	0	0	32	626.7	441	0.9	0.02	0.57	0	4.69	**82.881**	**44.536**	**12.769**
ADA-151	0	0	32	437.5	308.5	0.9	0.02	0.57	0	3.68	**66.786**	**25.693**	4.918
ADA-152	0	0	32	299.8	212.2	0.9	0.02	0.57	0	2.91	**47.533**	**12.533**	1.583
ADA-153	0	0	32	448	315.9	0.9	0.02	0.57	0	3.74	**67.972**	**26.765**	**5.262**
ADA-154	0	0	32	397	280.2	0.9	0.02	0.57	0	3.46	**61.84**	**21.606**	3.708
ADA-155	0	0	32	319.4	225.9	0.9	0.02	0.57	0	3.02	**50.681**	**14.236**	1.924
ADA-156	0	0	32	375.5	265.1	0.9	0.02	0.57	0	3.34	**58.979**	**19.493**	3.145
ADA-158	0	0	32	388.4	274.2	0.9	0.02	0.57	0	3.41	**60.716**	**20.755**	3.477
ADA-159	0	0	32	516.7	364	0.9	0.02	0.57	0	4.11	**74.794**	**33.767**	**7.797**
ADA-160	0	0	32	348.3	246.1	0.9	0.02	0.57	0	3.19	**55.106**	**16.89**	2.509
ADA-161	0	0	32	384.9	271.7	0.9	0.02	0.57	0	3.39	**60.248**	**20.41**	3.384
ADA-162	0	0	32	898.3	631.1	0.9	0.02	0.57	0	6.06	**93.253**	**65.838**	**27.694**
ADA-164	0	0	32	496	349.5	0.9	0.02	0.57	0	4	**72.901**	**31.667**	**6.983**
ADA-165	0	0	32	563.8	397	0.9	0.02	0.57	0	4.36	**78.647**	**38.491**	**9.807**
ADA-168	0	0	32	313.5	221.8	0.9	0.02	0.57	0	2.99	**49.751**	**13.718**	1.817
ADA-169	0	0	32	68.2	50	0.9	0.02	0.57	0	1.56	**8.269**	0.668	0.026
ADA-170	0	0	32	108.6	78.3	0.9	0.02	0.57	0	1.8	**13.974**	1.507	0.077
ADA-171	0	0	32	94.9	68.7	0.9	0.02	0.57	0	1.72	**11.901**	1.17	0.054
ADA-172	0	0	32	69.1	50.7	0.9	0.02	0.57	0	1.57	**8.386**	0.682	0.026

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-173	0	0	32	89.3	64.8	0.9	0.02	0.57	0	1.69	**11.099**	1.05	0.047
ADA-174	0	0	32	76.7	56	0.9	0.02	0.57	0	1.61	**9.368**	0.808	0.033
ADA-175	0	0	32	82.8	60.3	0.9	0.02	0.57	0	1.65	**10.188**	0.919	0.039
ADA-176	0	0	32	78.6	57.3	0.9	0.02	0.57	0	1.63	**9.617**	0.841	0.035
ADA-177	0	0	32	71.2	52.2	0.9	0.02	0.57	0	1.58	**8.653**	0.716	0.028
ADA-178	0	0	32	55.5	41.1	0.9	0.02	0.57	0	1.49	**6.752**	0.492	0.017
ADA-179	0	0	32	67	49.2	0.9	0.02	0.57	0	1.56	**8.123**	0.65	0.025
ADA-180	0	0	32	128.7	92.4	0.9	0.02	0.57	0	1.92	**17.228**	2.108	0.121
ADA-181	0	0	32	100.6	72.7	0.9	0.02	0.57	0	1.76	**12.753**	1.304	0.063
ADA-182	0	0	32	40.7	30.8	0.9	0.02	0.57	0	1.4	**5.196**	0.333	0.01
ADA-183	0	0	32	58	42.9	0.9	0.02	0.57	0	1.5	**7.046**	0.525	0.019
ADA-184	0	0	32	84.3	61.3	0.9	0.02	0.57	0	1.66	**10.398**	0.949	0.041

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Future Resident, Walleye
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 03`06`2020 WAL.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-001	0	0	32	354.1	250.1	0.9	0.02	0.11	0	3.14	**53.974**	**16.18**	2.346
ADA-002	0	0	32	60.4	44.5	0.9	0.02	0.11	0	1.44	**5.837**	0.396	0.013
ADA-004	0	0	32	161.4	115.3	0.9	0.02	0.11	0	2.04	**20.554**	2.814	0.181
ADA-005	0	0	32	84.7	61.6	0.9	0.02	0.11	0	1.58	**8.67**	0.718	0.028
ADA-006	0	0	32	294.8	208.6	0.9	0.02	0.11	0	2.81	**44.461**	**11.007**	1.3
ADA-008	0	0	32	347.4	245.5	0.9	0.02	0.11	0	3.11	**52.97**	**15.569**	2.209
ADA-010	0	0	32	526.4	370.8	0.9	0.02	0.11	0	4.09	**74.475**	**33.403**	**7.653**
ADA-015	0	0	32	175.5	125.1	0.9	0.02	0.11	0	2.12	**23.039**	3.404	0.237
ADA-016	0	0	32	258.6	183.3	0.9	0.02	0.11	0	2.6	**38.144**	**8.248**	0.846
ADA-017	0	0	32	290.1	205.4	0.9	0.02	0.11	0	2.78	**43.663**	**10.631**	1.234
ADA-018	0	0	32	526.4	370.8	0.9	0.02	0.11	0	4.09	**74.475**	**33.403**	**7.653**
ADA-019	0	0	32	114.4	82.4	0.9	0.02	0.11	0	1.76	**12.826**	1.316	0.064
ADA-020	0	0	32	104.2	75.2	0.9	0.02	0.11	0	1.7	**11.319**	1.082	0.049
ADA-021	0	0	32	106.8	77.1	0.9	0.02	0.11	0	1.71	**11.697**	1.139	0.052
ADA-023	0	0	32	177	126.2	0.9	0.02	0.11	0	2.13	**23.318**	3.474	0.244
ADA-024	0	0	32	510	359.3	0.9	0.02	0.11	0	4	**72.966**	**31.737**	**7.01**
ADA-025	0	0	32	243.3	172.6	0.9	0.02	0.11	0	2.52	**35.39**	**7.192**	0.691
ADA-026	0	0	32	84.2	61.3	0.9	0.02	0.11	0	1.58	**8.61**	0.71	0.028
ADA-028	0	0	32	242.1	171.8	0.9	0.02	0.11	0	2.51	**35.178**	**7.114**	0.681
ADA-033	0	0	32	88.7	64.4	0.9	0.02	0.11	0	1.61	**9.184**	0.784	0.032
ADA-034	0	0	32	76.5	55.8	0.9	0.02	0.11	0	1.53	**7.654**	0.594	0.022
ADA-035	0	0	32	215.3	153	0.9	0.02	0.11	0	2.35	**30.284**	**5.445**	0.462
ADA-039	0	0	32	41.2	31.1	0.9	0.02	0.11	0	1.32	4.018	0.229	0.006
ADA-042	0	0	32	95.2	69	0.9	0.02	0.11	0	1.65	**10.062**	0.902	0.038
ADA-043	0	0	32	180.1	128.4	0.9	0.02	0.11	0	2.15	**23.877**	3.616	0.258
ADA-044	0	0	32	164.9	117.8	0.9	0.02	0.11	0	2.06	**21.17**	2.955	0.194
ADA-045	0	0	32	379	267.6	0.9	0.02	0.11	0	3.28	**57.611**	**18.542**	2.905
ADA-046	0	0	32	210.6	149.7	0.9	0.02	0.11	0	2.33	**29.411**	**5.173**	0.429
ADA-047	0	0	32	325.6	230.2	0.9	0.02	0.11	0	2.98	**49.55**	**13.607**	1.795
ADA-048	0	0	32	143.6	102.8	0.9	0.02	0.11	0	1.93	**17.487**	2.159	0.126
ADA-049	0	0	32	53.7	39.9	0.9	0.02	0.11	0	1.39	**5.163**	0.33	0.01

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-050	0	0	32	429.3	302.8	0.9	0.02	0.11	0	3.56	**64.235**	**23.512**	4.253
ADA-051	0	0	32	122.8	88.3	0.9	0.02	0.11	0	1.81	**14.122**	1.532	0.078
ADA-052	0	0	32	412.9	291.4	0.9	0.02	0.11	0	3.47	**62.182**	**21.87**	3.782
ADA-053	0	0	32	102.7	74.2	0.9	0.02	0.11	0	1.69	**11.108**	1.051	0.047
ADA-054	0	0	32	501.9	353.6	0.9	0.02	0.11	0	3.96	**72.181**	**30.902**	**6.699**
ADA-055	0	0	32	209.8	149.1	0.9	0.02	0.11	0	2.32	**29.268**	**5.129**	0.424
ADA-056	0	0	32	84.6	61.5	0.9	0.02	0.11	0	1.58	**8.654**	0.716	0.028
ADA-057	0	0	32	132.4	95	0.9	0.02	0.11	0	1.87	**15.645**	1.804	0.098
ADA-058	0	0	32	93.5	67.7	0.9	0.02	0.11	0	1.63	**9.824**	0.869	0.036
ADA-059	0	0	32	143.3	102.6	0.9	0.02	0.11	0	1.93	**17.446**	2.151	0.125
ADA-060	0	0	32	474.5	334.5	0.9	0.02	0.11	0	3.81	**69.403**	**28.111**	**5.711**
ADA-061	0	0	32	123.9	89	0.9	0.02	0.11	0	1.82	**14.293**	1.562	0.08
ADA-062	0	0	32	346.3	244.7	0.9	0.02	0.11	0	3.1	**52.791**	**15.461**	2.186
ADA-063	0	0	32	145.1	103.8	0.9	0.02	0.11	0	1.94	**17.741**	2.21	0.13
ADA-064	0	0	32	166.1	118.6	0.9	0.02	0.11	0	2.07	**21.376**	3.003	0.199
ADA-065	0	0	32	382.5	270.1	0.9	0.02	0.11	0	3.3	**58.104**	**18.881**	2.99
ADA-066	0	0	32	167.3	119.4	0.9	0.02	0.11	0	2.07	**21.583**	3.052	0.203
ADA-067	0	0	32	106.8	77.1	0.9	0.02	0.11	0	1.71	**11.697**	1.139	0.052
ADA-070	0	0	32	243.3	172.6	0.9	0.02	0.11	0	2.52	**35.39**	**7.192**	0.691
ADA-071	0	0	32	274.9	194.7	0.9	0.02	0.11	0	2.7	**41.027**	**9.447**	1.034
ADA-073	0	0	32	310	219.3	0.9	0.02	0.11	0	2.9	**47.012**	**12.265**	1.532
ADA-076	0	0	32	285.7	202.3	0.9	0.02	0.11	0	2.76	**42.905**	**10.282**	1.174
ADA-078	0	0	32	255	180.8	0.9	0.02	0.11	0	2.58	**37.5**	**7.994**	0.808
ADA-079	0	0	32	149.7	107.1	0.9	0.02	0.11	0	1.97	**18.533**	2.373	0.143
ADA-081	0	0	32	186.8	133.1	0.9	0.02	0.11	0	2.19	**25.083**	3.931	0.29
ADA-082	0	0	32	197.7	140.7	0.9	0.02	0.11	0	2.25	**27.059**	4.476	0.349
ADA-084	0	0	32	184.8	131.7	0.9	0.02	0.11	0	2.18	**24.721**	3.835	0.28
ADA-085	0	0	32	146.2	104.7	0.9	0.02	0.11	0	1.95	**17.939**	2.251	0.133
ADA-088	0	0	32	325.2	229.9	0.9	0.02	0.11	0	2.98	**49.49**	**13.574**	1.788
ADA-089	0	0	32	328.7	232.4	0.9	0.02	0.11	0	3	**50.05**	**13.883**	1.851
ADA-090	0	0	32	252.7	179.2	0.9	0.02	0.11	0	2.57	**37.079**	**7.83**	0.783
ADA-091	0	0	32	280.8	198.8	0.9	0.02	0.11	0	2.73	**42.048**	**9.896**	1.108
ADA-092	0	0	32	223.4	158.7	0.9	0.02	0.11	0	2.4	**31.767**	**5.925**	0.522
ADA-093	0	0	32	181.3	129.2	0.9	0.02	0.11	0	2.16	**24.088**	3.67	0.263
ADA-094	0	0	32	99.7	72.1	0.9	0.02	0.11	0	1.67	**10.678**	0.988	0.043
ADA-095	0	0	32	163.8	116.9	0.9	0.02	0.11	0	2.05	**20.964**	2.908	0.19
ADA-096	0	0	32	364.2	257.2	0.9	0.02	0.11	0	3.2	**55.475**	**17.126**	2.564
ADA-097	0	0	32	533.4	375.7	0.9	0.02	0.11	0	4.12	**75.096**	**34.114**	**7.937**
ADA-099	0	0	32	257.4	182.4	0.9	0.02	0.11	0	2.6	**37.919**	**8.159**	0.832
ADA-101	0	0	32	224.6	159.5	0.9	0.02	0.11	0	2.41	**31.981**	**5.996**	0.531
ADA-102	0	0	32	126.3	90.7	0.9	0.02	0.11	0	1.83	**14.675**	1.629	0.085
ADA-103	0	0	32	173.1	123.5	0.9	0.02	0.11	0	2.11	**22.621**	3.301	0.227
ADA-104	0	0	32	79.4	57.9	0.9	0.02	0.11	0	1.55	**8.01**	0.636	0.024
ADA-105	0	0	32	226.9	161.2	0.9	0.02	0.11	0	2.42	**32.409**	**6.14**	0.549
ADA-106	0	0	32	79.7	58.1	0.9	0.02	0.11	0	1.55	**8.038**	0.64	0.024
ADA-107	0	0	32	147.4	105.5	0.9	0.02	0.11	0	1.96	**18.137**	2.291	0.136
ADA-108	0	0	32	226.6	160.9	0.9	0.02	0.11	0	2.42	**32.338**	**6.116**	0.546
ADA-109	0	0	32	379	267.6	0.9	0.02	0.11	0	3.28	**57.611**	**18.542**	2.905

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-110	0	0	32	265.5	188.2	0.9	0.02	0.11	0	2.64	**39.378**	**8.75**	0.923
ADA-111	0	0	32	119.3	85.8	0.9	0.02	0.11	0	1.79	**13.576**	1.439	0.072
ADA-112	0	0	32	102.6	74.1	0.9	0.02	0.11	0	1.69	**11.09**	1.048	0.047
ADA-113	0	0	32	162.6	116.1	0.9	0.02	0.11	0	2.05	**20.759**	2.861	0.186
ADA-114	0	0	32	114.2	82.2	0.9	0.02	0.11	0	1.76	**12.79**	1.31	0.063
ADA-115	0	0	32	142.7	102.2	0.9	0.02	0.11	0	1.93	**17.348**	2.131	0.123
ADA-116	0	0	32	112.4	81	0.9	0.02	0.11	0	1.75	**12.527**	1.268	0.061
ADA-117	0	0	32	193	137.4	0.9	0.02	0.11	0	2.22	**26.206**	4.237	0.323
ADA-118	0	0	32	190.7	135.8	0.9	0.02	0.11	0	2.21	**25.78**	4.12	0.31
ADA-119	0	0	32	205.9	146.4	0.9	0.02	0.11	0	2.3	**28.555**	4.914	0.399
ADA-121	0	0	32	238.6	169.4	0.9	0.02	0.11	0	2.49	**34.542**	**6.883**	0.649
ADA-122	0	0	32	57.1	42.3	0.9	0.02	0.11	0	1.42	**5.501**	0.363	0.011
ADA-124	0	0	32	176.3	125.7	0.9	0.02	0.11	0	2.13	**23.179**	3.439	0.24
ADA-125	0	0	32	150.9	107.9	0.9	0.02	0.11	0	1.98	**18.728**	2.414	0.147
ADA-126	0	0	32	427.4	301.5	0.9	0.02	0.11	0	3.55	**64.004**	**23.322**	4.197
ADA-127	0	0	32	212.9	151.3	0.9	0.02	0.11	0	2.34	**29.839**	**5.306**	0.445
ADA-128	0	0	32	362.6	256.1	0.9	0.02	0.11	0	3.19	**55.25**	**16.982**	2.53
ADA-131	0	0	32	384.9	271.7	0.9	0.02	0.11	0	3.32	**58.429**	**19.107**	3.047
ADA-132	0	0	32	170.8	121.8	0.9	0.02	0.11	0	2.09	**22.204**	3.2	0.217
ADA-133	0	0	32	338.1	238.9	0.9	0.02	0.11	0	3.05	**51.525**	**14.718**	2.025
ADA-135	0	0	32	140.4	100.6	0.9	0.02	0.11	0	1.91	**16.958**	2.054	0.117
ADA-136	0	0	32	384.9	271.7	0.9	0.02	0.11	0	3.32	**58.429**	**19.107**	3.047
ADA-139	0	0	32	221.1	157.1	0.9	0.02	0.11	0	2.39	**31.338**	**5.784**	0.504
ADA-140	0	0	32	556.8	392.1	0.9	0.02	0.11	0	4.25	**77.062**	**36.468**	**8.916**
ADA-141	0	0	32	190.7	135.8	0.9	0.02	0.11	0	2.21	**25.78**	4.12	0.31
ADA-142	0	0	32	598.8	421.5	0.9	0.02	0.11	0	4.47	**80.211**	**40.607**	**10.792**
ADA-143	0	0	32	277.2	196.4	0.9	0.02	0.11	0	2.71	**41.436**	**9.625**	1.063
ADA-144	0	0	32	746.9	525.2	0.9	0.02	0.11	0	5.24	**88.206**	**53.923**	**18.366**
ADA-145	0	0	32	372.8	263.3	0.9	0.02	0.11	0	3.25	**56.725**	**17.944**	2.759
ADA-146	0	0	32	391.9	276.6	0.9	0.02	0.11	0	3.35	**59.395**	**19.79**	3.222
ADA-147	0	0	32	767.4	539.5	0.9	0.02	0.11	0	5.34	**89.01**	**55.574**	**19.494**
ADA-148	0	0	32	370.8	261.9	0.9	0.02	0.11	0	3.24	**56.443**	**17.758**	2.714
ADA-150	0	0	32	626.7	441	0.9	0.02	0.11	0	4.62	**82.059**	**43.281**	**12.116**
ADA-151	0	0	32	437.5	308.5	0.9	0.02	0.11	0	3.61	**65.225**	**24.339**	4.5
ADA-152	0	0	32	299.8	212.2	0.9	0.02	0.11	0	2.84	**45.313**	**11.418**	1.374
ADA-153	0	0	32	448	315.9	0.9	0.02	0.11	0	3.66	**66.462**	**25.406**	4.828
ADA-154	0	0	32	397	280.2	0.9	0.02	0.11	0	3.38	**60.081**	**20.287**	3.352
ADA-155	0	0	32	319.4	225.9	0.9	0.02	0.11	0	2.95	**48.546**	**13.065**	1.686
ADA-156	0	0	32	375.5	265.1	0.9	0.02	0.11	0	3.26	**57.113**	**18.204**	2.822
ADA-158	0	0	32	388.4	274.2	0.9	0.02	0.11	0	3.34	**58.914**	**19.448**	3.134
ADA-159	0	0	32	516.7	364	0.9	0.02	0.11	0	4.04	**73.587**	**32.412**	**7.267**
ADA-160	0	0	32	348.3	246.1	0.9	0.02	0.11	0	3.11	**53.107**	**15.651**	2.227
ADA-161	0	0	32	384.9	271.7	0.9	0.02	0.11	0	3.32	**58.429**	**19.107**	3.047
ADA-162	0	0	32	898.3	631.1	0.9	0.02	0.11	0	5.99	**92.947**	**64.987**	**26.927**
ADA-164	0	0	32	496	349.5	0.9	0.02	0.11	0	3.92	**71.607**	**30.305**	**6.48**
ADA-165	0	0	32	563.8	397	0.9	0.02	0.11	0	4.29	**77.621**	**37.168**	**9.219**
ADA-168	0	0	32	313.5	221.8	0.9	0.02	0.11	0	2.92	**47.59**	**12.563**	1.588
ADA-169	0	0	32	68.2	50	0.9	0.02	0.11	0	1.48	**6.688**	0.485	0.017

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-170	0	0	32	108.6	78.3	0.9	0.02	0.11	0	1.73	**11.954**	1.178	0.055
ADA-171	0	0	32	94.9	68.7	0.9	0.02	0.11	0	1.64	**10.014**	0.895	0.038
ADA-172	0	0	32	69.1	50.7	0.9	0.02	0.11	0	1.49	**6.793**	0.497	0.017
ADA-173	0	0	32	89.3	64.8	0.9	0.02	0.11	0	1.61	**9.271**	0.795	0.032
ADA-174	0	0	32	76.7	56	0.9	0.02	0.11	0	1.53	**7.682**	0.598	0.022
ADA-175	0	0	32	82.8	60.3	0.9	0.02	0.11	0	1.57	**8.432**	0.688	0.027
ADA-176	0	0	32	78.6	57.3	0.9	0.02	0.11	0	1.55	**7.909**	0.624	0.023
ADA-177	0	0	32	71.2	52.2	0.9	0.02	0.11	0	1.5	**7.034**	0.523	0.019
ADA-178	0	0	32	55.5	41.1	0.9	0.02	0.11	0	1.41	**5.336**	0.347	0.011
ADA-179	0	0	32	67	49.2	0.9	0.02	0.11	0	1.48	**6.557**	0.471	0.016
ADA-180	0	0	32	128.7	92.4	0.9	0.02	0.11	0	1.84	**15.048**	1.695	0.09
ADA-181	0	0	32	100.6	72.7	0.9	0.02	0.11	0	1.68	**10.808**	1.007	0.044
ADA-182	0	0	32	40.7	30.8	0.9	0.02	0.11	0	1.32	3.979	0.226	0.006
ADA-183	0	0	32	58	42.9	0.9	0.02	0.11	0	1.42	**5.596**	0.372	0.012
ADA-184	0	0	32	84.3	61.3	0.9	0.02	0.11	0	1.58	**8.624**	0.712	0.028

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Future Resident, Whitefish
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 03`06`2020 WHI.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-001	0	0	32	354.1	250.1	0.9	0.02	0.04	0	3.13	**53.668**	**15.992**	2.303
ADA-002	0	0	32	60.4	44.5	0.9	0.02	0.04	0	1.42	**5.627**	0.375	0.012
ADA-004	0	0	32	161.4	115.3	0.9	0.02	0.04	0	2.03	**20.2**	2.734	0.174
ADA-005	0	0	32	84.7	61.6	0.9	0.02	0.04	0	1.57	**8.412**	0.686	0.027
ADA-006	0	0	32	294.8	208.6	0.9	0.02	0.04	0	2.8	**44.115**	**10.843**	1.271
ADA-008	0	0	32	347.4	245.5	0.9	0.02	0.04	0	3.1	**52.659**	**15.383**	2.168
ADA-010	0	0	32	526.4	370.8	0.9	0.02	0.04	0	4.08	**74.292**	**33.197**	**7.572**
ADA-015	0	0	32	175.5	125.1	0.9	0.02	0.04	0	2.11	**22.676**	3.315	0.228
ADA-016	0	0	32	258.6	183.3	0.9	0.02	0.04	0	2.59	**37.781**	**8.104**	0.824
ADA-017	0	0	32	290.1	205.4	0.9	0.02	0.04	0	2.77	**43.315**	**10.47**	1.206
ADA-018	0	0	32	526.4	370.8	0.9	0.02	0.04	0	4.08	**74.292**	**33.197**	**7.572**
ADA-019	0	0	32	114.4	82.4	0.9	0.02	0.04	0	1.75	**12.521**	1.267	0.061
ADA-020	0	0	32	104.2	75.2	0.9	0.02	0.04	0	1.69	**11.029**	1.039	0.046
ADA-021	0	0	32	106.8	77.1	0.9	0.02	0.04	0	1.7	**11.403**	1.095	0.05
ADA-023	0	0	32	177	126.2	0.9	0.02	0.04	0	2.12	**22.955**	3.384	0.235
ADA-024	0	0	32	510	359.3	0.9	0.02	0.04	0	3.99	**72.773**	**31.53**	**6.932**
ADA-025	0	0	32	243.3	172.6	0.9	0.02	0.04	0	2.5	**35.022**	**7.057**	0.673
ADA-026	0	0	32	84.2	61.3	0.9	0.02	0.04	0	1.57	**8.354**	0.678	0.026
ADA-028	0	0	32	242.1	171.8	0.9	0.02	0.04	0	2.5	**34.81**	**6.98**	0.662
ADA-033	0	0	32	88.7	64.4	0.9	0.02	0.04	0	1.59	**8.92**	0.75	0.03
ADA-034	0	0	32	76.5	55.8	0.9	0.02	0.04	0	1.52	**7.412**	0.566	0.021
ADA-035	0	0	32	215.3	153	0.9	0.02	0.04	0	2.34	**29.912**	**5.329**	0.448
ADA-039	0	0	32	41.2	31.1	0.9	0.02	0.04	0	1.31	3.848	0.215	0.006
ADA-042	0	0	32	95.2	69	0.9	0.02	0.04	0	1.63	**9.786**	0.864	0.036
ADA-043	0	0	32	180.1	128.4	0.9	0.02	0.04	0	2.14	**23.513**	3.523	0.249
ADA-044	0	0	32	164.9	117.8	0.9	0.02	0.04	0	2.05	**20.814**	2.873	0.187
ADA-045	0	0	32	379	267.6	0.9	0.02	0.04	0	3.27	**57.324**	**18.347**	2.857
ADA-046	0	0	32	210.6	149.7	0.9	0.02	0.04	0	2.31	**29.04**	**5.06**	0.416
ADA-047	0	0	32	325.6	230.2	0.9	0.02	0.04	0	2.97	**49.224**	**13.43**	1.759
ADA-048	0	0	32	143.6	102.8	0.9	0.02	0.04	0	1.92	**17.148**	2.092	0.12
ADA-049	0	0	32	53.7	39.9	0.9	0.02	0.04	0	1.38	4.966	0.312	0.009
ADA-050	0	0	32	429.3	302.8	0.9	0.02	0.04	0	3.55	**63.986**	**23.307**	4.193

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-051	0	0	32	122.8	88.3	0.9	0.02	0.04	0	1.8	**13.806**	1.478	0.075
ADA-052	0	0	32	412.9	291.4	0.9	0.02	0.04	0	3.46	**61.921**	**21.668**	3.726
ADA-053	0	0	32	102.7	74.2	0.9	0.02	0.04	0	1.68	**10.82**	1.009	0.045
ADA-054	0	0	32	501.9	353.6	0.9	0.02	0.04	0	3.94	**71.983**	**30.695**	**6.622**
ADA-055	0	0	32	209.8	149.1	0.9	0.02	0.04	0	2.31	**28.896**	**5.016**	0.411
ADA-056	0	0	32	84.6	61.5	0.9	0.02	0.04	0	1.57	**8.398**	0.684	0.026
ADA-057	0	0	32	132.4	95	0.9	0.02	0.04	0	1.85	**15.317**	1.744	0.094
ADA-058	0	0	32	93.5	67.7	0.9	0.02	0.04	0	1.62	**9.551**	0.832	0.034
ADA-059	0	0	32	143.3	102.6	0.9	0.02	0.04	0	1.92	**17.107**	2.083	0.12
ADA-060	0	0	32	474.5	334.5	0.9	0.02	0.04	0	3.8	**69.187**	**27.904**	**5.64**
ADA-061	0	0	32	123.9	89	0.9	0.02	0.04	0	1.8	**13.975**	1.507	0.077
ADA-062	0	0	32	346.3	244.7	0.9	0.02	0.04	0	3.09	**52.479**	**15.276**	2.145
ADA-063	0	0	32	145.1	103.8	0.9	0.02	0.04	0	1.93	**17.401**	2.142	0.124
ADA-064	0	0	32	166.1	118.6	0.9	0.02	0.04	0	2.05	**21.019**	2.921	0.191
ADA-065	0	0	32	382.5	270.1	0.9	0.02	0.04	0	3.29	**57.819**	**18.685**	2.941
ADA-066	0	0	32	167.3	119.4	0.9	0.02	0.04	0	2.06	**21.225**	2.968	0.195
ADA-067	0	0	32	106.8	77.1	0.9	0.02	0.04	0	1.7	**11.403**	1.095	0.05
ADA-070	0	0	32	243.3	172.6	0.9	0.02	0.04	0	2.5	**35.022**	**7.057**	0.673
ADA-071	0	0	32	274.9	194.7	0.9	0.02	0.04	0	2.68	**40.671**	**9.294**	1.009
ADA-073	0	0	32	310	219.3	0.9	0.02	0.04	0	2.88	**46.676**	**12.095**	1.499
ADA-076	0	0	32	285.7	202.3	0.9	0.02	0.04	0	2.75	**42.555**	**10.123**	1.147
ADA-078	0	0	32	255	180.8	0.9	0.02	0.04	0	2.57	**37.136**	**7.852**	0.786
ADA-079	0	0	32	149.7	107.1	0.9	0.02	0.04	0	1.96	**18.188**	2.302	0.137
ADA-081	0	0	32	186.8	133.1	0.9	0.02	0.04	0	2.18	**24.716**	3.834	0.28
ADA-082	0	0	32	197.7	140.7	0.9	0.02	0.04	0	2.24	**26.689**	4.372	0.337
ADA-084	0	0	32	184.8	131.7	0.9	0.02	0.04	0	2.16	**24.355**	3.739	0.27
ADA-085	0	0	32	146.2	104.7	0.9	0.02	0.04	0	1.94	**17.597**	2.181	0.127
ADA-088	0	0	32	325.2	229.9	0.9	0.02	0.04	0	2.97	**49.163**	**13.397**	1.752
ADA-089	0	0	32	328.7	232.4	0.9	0.02	0.04	0	2.99	**49.726**	**13.704**	1.814
ADA-090	0	0	32	252.7	179.2	0.9	0.02	0.04	0	2.56	**36.714**	**7.689**	0.763
ADA-091	0	0	32	280.8	198.8	0.9	0.02	0.04	0	2.72	**41.695**	**9.739**	1.082
ADA-092	0	0	32	223.4	158.7	0.9	0.02	0.04	0	2.39	**31.395**	**5.803**	0.506
ADA-093	0	0	32	181.3	129.2	0.9	0.02	0.04	0	2.14	**23.723**	3.577	0.254
ADA-094	0	0	32	99.7	72.1	0.9	0.02	0.04	0	1.66	**10.395**	0.948	0.041
ADA-095	0	0	32	163.8	116.9	0.9	0.02	0.04	0	2.04	**20.609**	2.827	0.183
ADA-096	0	0	32	364.2	257.2	0.9	0.02	0.04	0	3.19	**55.177**	**16.935**	2.519
ADA-097	0	0	32	533.4	375.7	0.9	0.02	0.04	0	4.11	**74.918**	**33.909**	**7.854**
ADA-099	0	0	32	257.4	182.4	0.9	0.02	0.04	0	2.58	**37.556**	**8.016**	0.811
ADA-101	0	0	32	224.6	159.5	0.9	0.02	0.04	0	2.4	**31.61**	**5.873**	0.515
ADA-102	0	0	32	126.3	90.7	0.9	0.02	0.04	0	1.82	**14.355**	1.572	0.081
ADA-103	0	0	32	173.1	123.5	0.9	0.02	0.04	0	2.1	**22.26**	3.213	0.218
ADA-104	0	0	32	79.4	57.9	0.9	0.02	0.04	0	1.54	**7.762**	0.607	0.023
ADA-105	0	0	32	226.9	161.2	0.9	0.02	0.04	0	2.41	**32.038**	**6.015**	0.533
ADA-106	0	0	32	79.7	58.1	0.9	0.02	0.04	0	1.54	**7.79**	0.61	0.023
ADA-107	0	0	32	147.4	105.5	0.9	0.02	0.04	0	1.94	**17.794**	2.221	0.131
ADA-108	0	0	32	226.6	160.9	0.9	0.02	0.04	0	2.41	**31.967**	**5.992**	0.53
ADA-109	0	0	32	379	267.6	0.9	0.02	0.04	0	3.27	**57.324**	**18.347**	2.857
ADA-110	0	0	32	265.5	188.2	0.9	0.02	0.04	0	2.63	**39.018**	**8.601**	0.9
ADA-111	0	0	32	119.3	85.8	0.9	0.02	0.04	0	1.78	**13.264**	1.387	0.069

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-112	0	0	32	102.6	74.1	0.9	0.02	0.04	0	1.68	**10.803**	1.006	0.044
ADA-113	0	0	32	162.6	116.1	0.9	0.02	0.04	0	2.03	**20.404**	2.78	0.178
ADA-114	0	0	32	114.2	82.2	0.9	0.02	0.04	0	1.75	**12.486**	1.261	0.06
ADA-115	0	0	32	142.7	102.2	0.9	0.02	0.04	0	1.92	**17.01**	2.064	0.118
ADA-116	0	0	32	112.4	81	0.9	0.02	0.04	0	1.74	**12.225**	1.22	0.058
ADA-117	0	0	32	193	137.4	0.9	0.02	0.04	0	2.21	**25.837**	4.135	0.312
ADA-118	0	0	32	190.7	135.8	0.9	0.02	0.04	0	2.2	**25.412**	4.02	0.299
ADA-119	0	0	32	205.9	146.4	0.9	0.02	0.04	0	2.29	**28.184**	4.803	0.386
ADA-121	0	0	32	238.6	169.4	0.9	0.02	0.04	0	2.48	**34.173**	**6.751**	0.63
ADA-122	0	0	32	57.1	42.3	0.9	0.02	0.04	0	1.4	**5.297**	0.343	0.011
ADA-124	0	0	32	176.3	125.7	0.9	0.02	0.04	0	2.11	**22.816**	3.349	0.231
ADA-125	0	0	32	150.9	107.9	0.9	0.02	0.04	0	1.96	**18.382**	2.342	0.141
ADA-126	0	0	32	427.4	301.5	0.9	0.02	0.04	0	3.54	**63.754**	**23.118**	4.137
ADA-127	0	0	32	212.9	151.3	0.9	0.02	0.04	0	2.33	**29.467**	**5.191**	0.431
ADA-128	0	0	32	362.6	256.1	0.9	0.02	0.04	0	3.18	**54.951**	**16.792**	2.486
ADA-131	0	0	32	384.9	271.7	0.9	0.02	0.04	0	3.3	**58.147**	**18.91**	2.997
ADA-132	0	0	32	170.8	121.8	0.9	0.02	0.04	0	2.08	**21.844**	3.114	0.209
ADA-133	0	0	32	338.1	238.9	0.9	0.02	0.04	0	3.04	**51.208**	**14.535**	1.986
ADA-135	0	0	32	140.4	100.6	0.9	0.02	0.04	0	1.9	**16.621**	1.989	0.112
ADA-136	0	0	32	384.9	271.7	0.9	0.02	0.04	0	3.3	**58.147**	**18.91**	2.997
ADA-139	0	0	32	221.1	157.1	0.9	0.02	0.04	0	2.38	**30.967**	**5.664**	0.489
ADA-140	0	0	32	556.8	392.1	0.9	0.02	0.04	0	4.24	**76.898**	**36.265**	**8.829**
ADA-141	0	0	32	190.7	135.8	0.9	0.02	0.04	0	2.2	**25.412**	4.02	0.299
ADA-142	0	0	32	598.8	421.5	0.9	0.02	0.04	0	4.46	**80.069**	**40.409**	**10.698**
ADA-143	0	0	32	277.2	196.4	0.9	0.02	0.04	0	2.7	**41.081**	**9.471**	1.038
ADA-144	0	0	32	746.9	525.2	0.9	0.02	0.04	0	5.23	**88.123**	**53.757**	**18.255**
ADA-145	0	0	32	372.8	263.3	0.9	0.02	0.04	0	3.24	**56.433**	**17.751**	2.712
ADA-146	0	0	32	391.9	276.6	0.9	0.02	0.04	0	3.34	**59.118**	**19.592**	3.171
ADA-147	0	0	32	767.4	539.5	0.9	0.02	0.04	0	5.33	**88.932**	**55.413**	**19.382**
ADA-148	0	0	32	370.8	261.9	0.9	0.02	0.04	0	3.23	**56.15**	**17.565**	2.667
ADA-150	0	0	32	626.7	441	0.9	0.02	0.04	0	4.61	**81.931**	**43.089**	**12.017**
ADA-151	0	0	32	437.5	308.5	0.9	0.02	0.04	0	3.59	**64.982**	**24.133**	4.438
ADA-152	0	0	32	299.8	212.2	0.9	0.02	0.04	0	2.83	**44.971**	**11.252**	1.344
ADA-153	0	0	32	448	315.9	0.9	0.02	0.04	0	3.65	**66.226**	**25.2**	4.764
ADA-154	0	0	32	397	280.2	0.9	0.02	0.04	0	3.37	**59.808**	**20.088**	3.3
ADA-155	0	0	32	319.4	225.9	0.9	0.02	0.04	0	2.94	**48.216**	**12.89**	1.652
ADA-156	0	0	32	375.5	265.1	0.9	0.02	0.04	0	3.25	**56.823**	**18.01**	2.775
ADA-158	0	0	32	388.4	274.2	0.9	0.02	0.04	0	3.32	**58.634**	**19.25**	3.083
ADA-159	0	0	32	516.7	364	0.9	0.02	0.04	0	4.02	**73.398**	**32.206**	**7.188**
ADA-160	0	0	32	348.3	246.1	0.9	0.02	0.04	0	3.1	**52.797**	**15.465**	2.186
ADA-161	0	0	32	384.9	271.7	0.9	0.02	0.04	0	3.3	**58.147**	**18.91**	2.997
ADA-162	0	0	32	898.3	631.1	0.9	0.02	0.04	0	5.98	**92.899**	**64.856**	**26.81**
ADA-164	0	0	32	496	349.5	0.9	0.02	0.04	0	3.91	**71.405**	**30.098**	**6.405**
ADA-165	0	0	32	563.8	397	0.9	0.02	0.04	0	4.28	**77.46**	**36.966**	**9.131**
ADA-168	0	0	32	313.5	221.8	0.9	0.02	0.04	0	2.9	**47.256**	**12.39**	1.555
ADA-169	0	0	32	68.2	50	0.9	0.02	0.04	0	1.47	**6.462**	0.461	0.016
ADA-170	0	0	32	108.6	78.3	0.9	0.02	0.04	0	1.71	**11.658**	1.133	0.052
ADA-171	0	0	32	94.9	68.7	0.9	0.02	0.04	0	1.63	**9.739**	0.858	0.036
ADA-172	0	0	32	69.1	50.7	0.9	0.02	0.04	0	1.48	**6.566**	0.472	0.016

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-173	0	0	32	89.3	64.8	0.9	0.02	0.04	0	1.6	**9.005**	0.761	0.03
ADA-174	0	0	32	76.7	56	0.9	0.02	0.04	0	1.52	**7.44**	0.569	0.021
ADA-175	0	0	32	82.8	60.3	0.9	0.02	0.04	0	1.56	**8.179**	0.657	0.025
ADA-176	0	0	32	78.6	57.3	0.9	0.02	0.04	0	1.53	**7.664**	0.595	0.022
ADA-177	0	0	32	71.2	52.2	0.9	0.02	0.04	0	1.49	**6.802**	0.498	0.017
ADA-178	0	0	32	55.5	41.1	0.9	0.02	0.04	0	1.39	**5.136**	0.328	0.01
ADA-179	0	0	32	67	49.2	0.9	0.02	0.04	0	1.46	**6.334**	0.447	0.015
ADA-180	0	0	32	128.7	92.4	0.9	0.02	0.04	0	1.83	**14.724**	1.637	0.086
ADA-181	0	0	32	100.6	72.7	0.9	0.02	0.04	0	1.67	**10.524**	0.967	0.042
ADA-182	0	0	32	40.7	30.8	0.9	0.02	0.04	0	1.3	3.81	0.212	0.006
ADA-183	0	0	32	58	42.9	0.9	0.02	0.04	0	1.41	**5.391**	0.352	0.011
ADA-184	0	0	32	84.3	61.3	0.9	0.02	0.04	0	1.57	**8.368**	0.68	0.026

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 2/28/2020
Site Name: UCR
Operable Unit: Future Resident, No Fish Consumption
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5 or 8 µg/dL

Input File: ADA 02`28`2020 NO Fish.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-001	0	1	32	354.1	250.1	0.9	0.02	0	0	3.13	**53.493**	**15.885**	2.279
ADA-002	0	1	32	60.4	44.5	0.9	0.02	0	0	1.42	**5.509**	0.363	0.011
ADA-004	0	1	32	161.4	115.3	0.9	0.02	0	0	2.02	**19.999**	2.689	0.17
ADA-005	0	1	32	84.7	61.6	0.9	0.02	0	0	1.56	**8.267**	0.668	0.026
ADA-006	0	1	32	294.8	208.6	0.9	0.02	0	0	2.79	**43.917**	**10.75**	1.255
ADA-008	0	1	32	347.4	245.5	0.9	0.02	0	0	3.09	**52.481**	**15.277**	2.145
ADA-010	0	1	32	526.4	370.8	0.9	0.02	0	0	4.07	**74.188**	**33.08**	**7.526**
ADA-015	0	1	32	175.5	125.1	0.9	0.02	0	0	2.1	**22.47**	3.264	0.223
ADA-016	0	1	32	258.6	183.3	0.9	0.02	0	0	2.59	**37.574**	**8.023**	0.812
ADA-017	0	1	32	290.1	205.4	0.9	0.02	0	0	2.77	**43.115**	**10.378**	1.19
ADA-018	0	1	32	526.4	370.8	0.9	0.02	0	0	4.07	**74.188**	**33.08**	**7.526**
ADA-019	0	1	32	114.4	82.4	0.9	0.02	0	0	1.74	**12.348**	1.24	0.059
ADA-020	0	1	32	104.2	75.2	0.9	0.02	0	0	1.68	**10.865**	1.015	0.045
ADA-021	0	1	32	106.8	77.1	0.9	0.02	0	0	1.7	**11.237**	1.07	0.048
ADA-023	0	1	32	177	126.2	0.9	0.02	0	0	2.11	**22.748**	3.332	0.23
ADA-024	0	1	32	510	359.3	0.9	0.02	0	0	3.98	**72.663**	**31.412**	**6.888**
ADA-025	0	1	32	243.3	172.6	0.9	0.02	0	0	2.5	**34.812**	**6.98**	0.662
ADA-026	0	1	32	84.2	61.3	0.9	0.02	0	0	1.56	**8.209**	0.661	0.025
ADA-028	0	1	32	242.1	171.8	0.9	0.02	0	0	2.49	**34.599**	**6.904**	0.651
ADA-033	0	1	32	88.7	64.4	0.9	0.02	0	0	1.59	**8.771**	0.731	0.029
ADA-034	0	1	32	76.5	55.8	0.9	0.02	0	0	1.51	**7.276**	0.55	0.02
ADA-035	0	1	32	215.3	153	0.9	0.02	0	0	2.34	**29.7**	**5.263**	0.44
ADA-039	0	1	32	41.2	31.1	0.9	0.02	0	0	1.3	3.753	0.207	0.006
ADA-042	0	1	32	95.2	69	0.9	0.02	0	0	1.63	**9.631**	0.843	0.035
ADA-043	0	1	32	180.1	128.4	0.9	0.02	0	0	2.13	**23.305**	3.471	0.243
ADA-044	0	1	32	164.9	117.8	0.9	0.02	0	0	2.04	**20.611**	2.827	0.183
ADA-045	0	1	32	379	267.6	0.9	0.02	0	0	3.27	**57.159**	**18.235**	2.83
ADA-046	0	1	32	210.6	149.7	0.9	0.02	0	0	2.31	**28.828**	4.996	0.408
ADA-047	0	1	32	325.6	230.2	0.9	0.02	0	0	2.97	**49.037**	**13.329**	1.739
ADA-048	0	1	32	143.6	102.8	0.9	0.02	0	0	1.91	**16.955**	2.054	0.117
ADA-049	0	1	32	53.7	39.9	0.9	0.02	0	0	1.38	4.856	0.302	0.009
ADA-050	0	1	32	429.3	302.8	0.9	0.02	0	0	3.54	**63.843**	**23.191**	4.158
ADA-051	0	1	32	122.8	88.3	0.9	0.02	0	0	1.79	**13.626**	1.448	0.073
ADA-052	0	1	32	412.9	291.4	0.9	0.02	0	0	3.45	**61.77**	**21.552**	3.694

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-053	0	1	32	102.7	74.2	0.9	0.02	0	0	1.67	**10.657**	0.986	0.043
ADA-054	0	1	32	501.9	353.6	0.9	0.02	0	0	3.94	**71.869**	**30.576**	**6.579**
ADA-055	0	1	32	209.8	149.1	0.9	0.02	0	0	2.3	**28.684**	4.952	0.403
ADA-056	0	1	32	84.6	61.5	0.9	0.02	0	0	1.56	**8.252**	0.666	0.026
ADA-057	0	1	32	132.4	95	0.9	0.02	0	0	1.85	**15.131**	1.71	0.091
ADA-058	0	1	32	93.5	67.7	0.9	0.02	0	0	1.62	**9.397**	0.812	0.033
ADA-059	0	1	32	143.3	102.6	0.9	0.02	0	0	1.91	**16.914**	2.046	0.117
ADA-060	0	1	32	474.5	334.5	0.9	0.02	0	0	3.79	**69.063**	**27.785**	**5.6**
ADA-061	0	1	32	123.9	89	0.9	0.02	0	0	1.8	**13.795**	1.476	0.075
ADA-062	0	1	32	346.3	244.7	0.9	0.02	0	0	3.08	**52.301**	**15.17**	2.122
ADA-063	0	1	32	145.1	103.8	0.9	0.02	0	0	1.92	**17.207**	2.103	0.121
ADA-064	0	1	32	166.1	118.6	0.9	0.02	0	0	2.05	**20.816**	2.874	0.187
ADA-065	0	1	32	382.5	270.1	0.9	0.02	0	0	3.29	**57.656**	**18.573**	2.913
ADA-066	0	1	32	167.3	119.4	0.9	0.02	0	0	2.05	**21.021**	2.921	0.191
ADA-067	0	1	32	106.8	77.1	0.9	0.02	0	0	1.7	**11.237**	1.07	0.048
ADA-070	0	1	32	243.3	172.6	0.9	0.02	0	0	2.5	**34.812**	**6.98**	0.662
ADA-071	0	1	32	274.9	194.7	0.9	0.02	0	0	2.68	**40.467**	**9.207**	0.995
ADA-073	0	1	32	310	219.3	0.9	0.02	0	0	2.88	**46.483**	**11.997**	1.481
ADA-076	0	1	32	285.7	202.3	0.9	0.02	0	0	2.74	**42.354**	**10.033**	1.131
ADA-078	0	1	32	255	180.8	0.9	0.02	0	0	2.56	**36.927**	**7.771**	0.775
ADA-079	0	1	32	149.7	107.1	0.9	0.02	0	0	1.95	**17.992**	2.261	0.134
ADA-081	0	1	32	186.8	133.1	0.9	0.02	0	0	2.17	**24.507**	3.779	0.274
ADA-082	0	1	32	197.7	140.7	0.9	0.02	0	0	2.23	**26.478**	4.312	0.331
ADA-084	0	1	32	184.8	131.7	0.9	0.02	0	0	2.16	**24.146**	3.685	0.265
ADA-085	0	1	32	146.2	104.7	0.9	0.02	0	0	1.93	**17.403**	2.142	0.124
ADA-088	0	1	32	325.2	229.9	0.9	0.02	0	0	2.96	**48.976**	**13.296**	1.732
ADA-089	0	1	32	328.7	232.4	0.9	0.02	0	0	2.98	**49.541**	**13.602**	1.794
ADA-090	0	1	32	252.7	179.2	0.9	0.02	0	0	2.55	**36.505**	**7.61**	0.751
ADA-091	0	1	32	280.8	198.8	0.9	0.02	0	0	2.71	**41.493**	**9.65**	1.067
ADA-092	0	1	32	223.4	158.7	0.9	0.02	0	0	2.38	**31.183**	**5.734**	0.498
ADA-093	0	1	32	181.3	129.2	0.9	0.02	0	0	2.14	**23.515**	3.524	0.249
ADA-094	0	1	32	99.7	72.1	0.9	0.02	0	0	1.65	**10.235**	0.926	0.04
ADA-095	0	1	32	163.8	116.9	0.9	0.02	0	0	2.03	**20.406**	2.781	0.178
ADA-096	0	1	32	364.2	257.2	0.9	0.02	0	0	3.18	**55.006**	**16.826**	2.494
ADA-097	0	1	32	533.4	375.7	0.9	0.02	0	0	4.11	**74.815**	**33.791**	**7.807**
ADA-099	0	1	32	257.4	182.4	0.9	0.02	0	0	2.58	**37.348**	**7.934**	0.799
ADA-101	0	1	32	224.6	159.5	0.9	0.02	0	0	2.39	**31.398**	**5.804**	0.506
ADA-102	0	1	32	126.3	90.7	0.9	0.02	0	0	1.81	**14.173**	1.541	0.079
ADA-103	0	1	32	173.1	123.5	0.9	0.02	0	0	2.09	**22.054**	3.164	0.214
ADA-104	0	1	32	79.4	57.9	0.9	0.02	0	0	1.53	**7.623**	0.59	0.022
ADA-105	0	1	32	226.9	161.2	0.9	0.02	0	0	2.4	**31.826**	**5.945**	0.524
ADA-106	0	1	32	79.7	58.1	0.9	0.02	0	0	1.53	**7.65**	0.594	0.022
ADA-107	0	1	32	147.4	105.5	0.9	0.02	0	0	1.94	**17.599**	2.182	0.127
ADA-108	0	1	32	226.6	160.9	0.9	0.02	0	0	2.4	**31.755**	**5.921**	0.521
ADA-109	0	1	32	379	267.6	0.9	0.02	0	0	3.27	**57.159**	**18.235**	2.83
ADA-110	0	1	32	265.5	188.2	0.9	0.02	0	0	2.62	**38.811**	**8.517**	0.887
ADA-111	0	1	32	119.3	85.8	0.9	0.02	0	0	1.77	**13.087**	1.358	0.067
ADA-112	0	1	32	102.6	74.1	0.9	0.02	0	0	1.67	**10.64**	0.983	0.043
ADA-113	0	1	32	162.6	116.1	0.9	0.02	0	0	2.03	**20.202**	2.735	0.174
ADA-114	0	1	32	114.2	82.2	0.9	0.02	0	0	1.74	**12.313**	1.234	0.058
ADA-115	0	1	32	142.7	102.2	0.9	0.02	0	0	1.91	**16.817**	2.027	0.115

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-116	0	1	32	112.4	81	0.9	0.02	0	0	1.73	**12.053**	1.194	0.056
ADA-117	0	1	32	193	137.4	0.9	0.02	0	0	2.21	**25.627**	4.078	0.306
ADA-118	0	1	32	190.7	135.8	0.9	0.02	0	0	2.19	**25.202**	3.963	0.293
ADA-119	0	1	32	205.9	146.4	0.9	0.02	0	0	2.28	**27.972**	4.741	0.379
ADA-121	0	1	32	238.6	169.4	0.9	0.02	0	0	2.47	**33.962**	**6.676**	0.62
ADA-122	0	1	32	57.1	42.3	0.9	0.02	0	0	1.4	**5.183**	0.332	0.01
ADA-124	0	1	32	176.3	125.7	0.9	0.02	0	0	2.11	**22.609**	3.298	0.227
ADA-125	0	1	32	150.9	107.9	0.9	0.02	0	0	1.96	**18.185**	2.301	0.137
ADA-126	0	1	32	427.4	301.5	0.9	0.02	0	0	3.53	**63.61**	**23.001**	4.103
ADA-127	0	1	32	212.9	151.3	0.9	0.02	0	0	2.32	**29.255**	**5.126**	0.423
ADA-128	0	1	32	362.6	256.1	0.9	0.02	0	0	3.17	**54.779**	**16.683**	2.461
ADA-131	0	1	32	384.9	271.7	0.9	0.02	0	0	3.3	**57.985**	**18.798**	2.969
ADA-132	0	1	32	170.8	121.8	0.9	0.02	0	0	2.07	**21.639**	3.065	0.204
ADA-133	0	1	32	338.1	238.9	0.9	0.02	0	0	3.04	**51.026**	**14.432**	1.965
ADA-135	0	1	32	140.4	100.6	0.9	0.02	0	0	1.9	**16.43**	1.952	0.109
ADA-136	0	1	32	384.9	271.7	0.9	0.02	0	0	3.3	**57.985**	**18.798**	2.969
ADA-139	0	1	32	221.1	157.1	0.9	0.02	0	0	2.37	**30.755**	**5.595**	0.48
ADA-140	0	1	32	556.8	392.1	0.9	0.02	0	0	4.23	**76.803**	**36.149**	**8.779**
ADA-141	0	1	32	190.7	135.8	0.9	0.02	0	0	2.19	**25.202**	3.963	0.293
ADA-142	0	1	32	598.8	421.5	0.9	0.02	0	0	4.45	**79.987**	**40.296**	**10.644**
ADA-143	0	1	32	277.2	196.4	0.9	0.02	0	0	2.69	**40.878**	**9.383**	1.024
ADA-144	0	1	32	746.9	525.2	0.9	0.02	0	0	5.22	**88.075**	**53.661**	**18.191**
ADA-145	0	1	32	372.8	263.3	0.9	0.02	0	0	3.23	**56.265**	**17.64**	2.686
ADA-146	0	1	32	391.9	276.6	0.9	0.02	0	0	3.34	**58.958**	**19.479**	3.142
ADA-147	0	1	32	767.4	539.5	0.9	0.02	0	0	5.32	**88.888**	**55.32**	**19.318**
ADA-148	0	1	32	370.8	261.9	0.9	0.02	0	0	3.22	**55.982**	**17.455**	2.641
ADA-150	0	1	32	626.7	441	0.9	0.02	0	0	4.6	**81.857**	**42.978**	**11.961**
ADA-151	0	1	32	437.5	308.5	0.9	0.02	0	0	3.59	**64.843**	**24.016**	4.402
ADA-152	0	1	32	299.8	212.2	0.9	0.02	0	0	2.82	**44.774**	**11.157**	1.327
ADA-153	0	1	32	448	315.9	0.9	0.02	0	0	3.65	**66.091**	**25.082**	4.727
ADA-154	0	1	32	397	280.2	0.9	0.02	0	0	3.37	**59.651**	**19.974**	3.27
ADA-155	0	1	32	319.4	225.9	0.9	0.02	0	0	2.93	**48.027**	**12.791**	1.633
ADA-156	0	1	32	375.5	265.1	0.9	0.02	0	0	3.25	**56.657**	**17.899**	2.748
ADA-158	0	1	32	388.4	274.2	0.9	0.02	0	0	3.32	**58.473**	**19.138**	3.055
ADA-159	0	1	32	516.7	364	0.9	0.02	0	0	4.02	**73.29**	**32.088**	**7.143**
ADA-160	0	1	32	348.3	246.1	0.9	0.02	0	0	3.09	**52.619**	**15.359**	2.163
ADA-161	0	1	32	384.9	271.7	0.9	0.02	0	0	3.3	**57.985**	**18.798**	2.969
ADA-162	0	1	32	898.3	631.1	0.9	0.02	0	0	5.98	**92.871**	**64.781**	**26.743**
ADA-164	0	1	32	496	349.5	0.9	0.02	0	0	3.91	**71.289**	**29.979**	**6.363**
ADA-165	0	1	32	563.8	397	0.9	0.02	0	0	4.27	**77.368**	**36.85**	**9.08**
ADA-168	0	1	32	313.5	221.8	0.9	0.02	0	0	2.9	**47.065**	**12.292**	1.537
ADA-169	0	1	32	68.2	50	0.9	0.02	0	0	1.46	**6.335**	0.447	0.015
ADA-170	0	1	32	108.6	78.3	0.9	0.02	0	0	1.71	**11.49**	1.108	0.051
ADA-171	0	1	32	94.9	68.7	0.9	0.02	0	0	1.62	**9.583**	0.837	0.035
ADA-172	0	1	32	69.1	50.7	0.9	0.02	0	0	1.47	**6.438**	0.458	0.016
ADA-173	0	1	32	89.3	64.8	0.9	0.02	0	0	1.59	**8.855**	0.741	0.029
ADA-174	0	1	32	76.7	56	0.9	0.02	0	0	1.52	**7.303**	0.554	0.02
ADA-175	0	1	32	82.8	60.3	0.9	0.02	0	0	1.55	**8.035**	0.64	0.024
ADA-176	0	1	32	78.6	57.3	0.9	0.02	0	0	1.53	**7.525**	0.579	0.021
ADA-177	0	1	32	71.2	52.2	0.9	0.02	0	0	1.48	**6.672**	0.483	0.017
ADA-178	0	1	32	55.5	41.1	0.9	0.02	0	0	1.39	**5.023**	0.317	0.01

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
ADA-179	0	1	32	67	49.2	0.9	0.02	0	0	1.46	**6.208**	0.434	0.014
ADA-180	0	1	32	128.7	92.4	0.9	0.02	0	0	1.83	**14.54**	1.605	0.084
ADA-181	0	1	32	100.6	72.7	0.9	0.02	0	0	1.66	**10.363**	0.944	0.041
ADA-182	0	1	32	40.7	30.8	0.9	0.02	0	0	1.3	3.715	0.204	0.005
ADA-183	0	1	32	58	42.9	0.9	0.02	0	0	1.4	**5.275**	0.341	0.011
ADA-184	0	1	32	84.3	61.3	0.9	0.02	0	0	1.56	**8.223**	0.662	0.025

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Current Resident with a Beach, Burbot
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 030620 BUR Res bch fish.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
202	0	0	32	267.1	189.3	0.9	0.02	0.22	0	2.75	**42.666**	**10.173**	1.155
800B	0	0	32	226	160.5	0.9	0.02	0.22	0	2.43	**32.817**	**6.278**	0.567
204	0	0	32	43	32.4	0.9	0.02	0.22	0	1.35	4.459	0.266	0.008
251B	0	0	32	149	106.6	0.9	0.02	0.22	0	1.98	**18.946**	2.461	0.15
255	0	0	32	168.1	120	0.9	0.02	0.22	0	2.1	**22.296**	3.222	0.219
195	0	0	32	88.3	64.1	0.9	0.02	0.22	0	1.62	**9.561**	0.834	0.034
131-B1	0	0	32	147.8	105.8	0.9	0.02	0.22	0	1.98	**18.755**	2.42	0.147
197	0	0	32	103.3	74.6	0.9	0.02	0.22	0	1.71	**11.654**	1.132	0.052
124-B1	0	0	32	77.2	56.3	0.9	0.02	0.22	0	1.56	**8.123**	0.65	0.025
224	0	0	32	165.2	117.9	0.9	0.02	0.22	0	2.08	**21.771**	3.096	0.207
324	0	0	32	80.5	58.7	0.9	0.02	0.22	0	1.58	**8.543**	0.702	0.027
171-B1	0	0	32	189.8	135.1	0.9	0.02	0.22	0	2.22	**26.193**	4.233	0.322
226	0	0	32	194.5	138.4	0.9	0.02	0.22	0	2.25	**27.049**	4.474	0.349
226A	0	0	32	363.9	257	0.9	0.02	0.22	0	3.22	**55.895**	**17.398**	2.628
303	0	0	32	99.6	72	0.9	0.02	0.22	0	1.69	**11.112**	1.051	0.047
075-B1	0	0	32	86.6	62.9	0.9	0.02	0.22	0	1.61	**9.331**	0.803	0.033
157-B1	0	0	32	100.8	72.8	0.9	0.02	0.22	0	1.7	**11.284**	1.077	0.049
157-B2	0	0	32	103.2	74.6	0.9	0.02	0.22	0	1.71	**11.643**	1.131	0.052
098-B1	0	0	32	46	34.5	0.9	0.02	0.22	0	1.37	4.733	0.291	0.009
173	0	0	32	287.4	203.5	0.9	0.02	0.22	0	2.79	**43.744**	**10.669**	1.241
1000	0	0	32	213.8	152	0.9	0.02	0.22	0	2.36	**30.593**	**5.544**	0.474

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Current Resident with a Beach, Kokanee
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 030620 KOK Res bch fish.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
202	0	0	32	267.1	189.3	0.9	0.02	0.15	0	2.66	**39.858**	**8.949**	0.954
800B	0	0	32	226	160.5	0.9	0.02	0.15	0	2.42	**32.446**	**6.152**	0.551
204	0	0	32	43	32.4	0.9	0.02	0.15	0	1.34	4.279	0.251	0.007
251B	0	0	32	149	106.6	0.9	0.02	0.15	0	1.97	**18.599**	2.387	0.144
255	0	0	32	168.1	120	0.9	0.02	0.15	0	2.08	**21.936**	3.136	0.211
195	0	0	32	88.3	64.1	0.9	0.02	0.15	0	1.61	**9.292**	0.798	0.033
131-B1	0	0	32	147.8	105.8	0.9	0.02	0.15	0	1.97	**18.409**	2.347	0.141
197	0	0	32	103.3	74.6	0.9	0.02	0.15	0	1.7	**11.36**	1.088	0.049
124-B1	0	0	32	77.2	56.3	0.9	0.02	0.15	0	1.54	**7.873**	0.62	0.023
224	0	0	32	165.2	117.9	0.9	0.02	0.15	0	2.07	**21.413**	3.012	0.199
324	0	0	32	80.5	58.7	0.9	0.02	0.15	0	1.56	**8.287**	0.67	0.026
171-B1	0	0	32	189.8	135.1	0.9	0.02	0.15	0	2.21	**25.824**	4.132	0.311
226	0	0	32	194.5	138.4	0.9	0.02	0.15	0	2.24	**26.679**	4.369	0.337
226A	0	0	32	363.9	257	0.9	0.02	0.15	0	3.21	**55.599**	**17.206**	2.582
303	0	0	32	99.6	72	0.9	0.02	0.15	0	1.68	**10.824**	1.009	0.045
075-B1	0	0	32	86.6	62.9	0.9	0.02	0.15	0	1.6	**9.065**	0.768	0.031
157-B1	0	0	32	100.8	72.8	0.9	0.02	0.15	0	1.69	**10.995**	1.034	0.046
157-B2	0	0	32	103.2	74.6	0.9	0.02	0.15	0	1.7	**11.349**	1.087	0.049
098-B1	0	0	32	46	34.5	0.9	0.02	0.15	0	1.36	4.547	0.274	0.008
173	0	0	32	287.4	203.5	0.9	0.02	0.15	0	2.77	**43.397**	**10.508**	1.213
1000	0	0	32	213.8	152	0.9	0.02	0.15	0	2.35	**30.221**	**5.426**	0.46

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Current Resident with a Beach, Northern Pike
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 030620 NOR Res bch fish.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
202	0	0	32	267.1	189.3	0.9	0.02	0.14	0	2.66	**39.807**	**8.928**	0.951
800B	0	0	32	226	160.5	0.9	0.02	0.14	0	2.42	**32.393**	**6.134**	0.549
204	0	0	32	43	32.4	0.9	0.02	0.14	0	1.34	4.253	0.249	0.007
251B	0	0	32	149	106.6	0.9	0.02	0.14	0	1.97	**18.55**	2.377	0.143
255	0	0	32	168.1	120	0.9	0.02	0.14	0	2.08	**21.884**	3.123	0.21
195	0	0	32	88.3	64.1	0.9	0.02	0.14	0	1.61	**9.253**	0.793	0.032
131-B1	0	0	32	147.8	105.8	0.9	0.02	0.14	0	1.96	**18.359**	2.337	0.14
197	0	0	32	103.3	74.6	0.9	0.02	0.14	0	1.7	**11.319**	1.082	0.049
124-B1	0	0	32	77.2	56.3	0.9	0.02	0.14	0	1.54	**7.838**	0.616	0.023
224	0	0	32	165.2	117.9	0.9	0.02	0.14	0	2.07	**21.362**	3	0.198
324	0	0	32	80.5	58.7	0.9	0.02	0.14	0	1.56	**8.251**	0.666	0.026
171-B1	0	0	32	189.8	135.1	0.9	0.02	0.14	0	2.21	**25.772**	4.117	0.31
226	0	0	32	194.5	138.4	0.9	0.02	0.14	0	2.24	**26.627**	4.354	0.335
226A	0	0	32	363.9	257	0.9	0.02	0.14	0	3.2	**55.557**	**17.179**	2.576
303	0	0	32	99.6	72	0.9	0.02	0.14	0	1.68	**10.783**	1.004	0.044
075-B1	0	0	32	86.6	62.9	0.9	0.02	0.14	0	1.6	**9.027**	0.763	0.031
157-B1	0	0	32	100.8	72.8	0.9	0.02	0.14	0	1.68	**10.953**	1.028	0.046
157-B2	0	0	32	103.2	74.6	0.9	0.02	0.14	0	1.7	**11.308**	1.08	0.049
098-B1	0	0	32	46	34.5	0.9	0.02	0.14	0	1.35	4.52	0.272	0.008
173	0	0	32	287.4	203.5	0.9	0.02	0.14	0	2.77	**43.347**	**10.485**	1.209
1000	0	0	32	213.8	152	0.9	0.02	0.14	0	2.35	**30.168**	**5.409**	0.457

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Current Resident with a Beach, Rainbow Trout
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 030620 RAI Res bch fish.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
202	0	0	32	267.1	189.3	0.9	0.02	0.22	0	2.67	**40.216**	**9.1**	0.978
800B	0	0	32	226	160.5	0.9	0.02	0.22	0	2.43	**32.817**	**6.278**	0.567
204	0	0	32	43	32.4	0.9	0.02	0.22	0	1.35	4.459	0.266	0.008
251B	0	0	32	149	106.6	0.9	0.02	0.22	0	1.98	**18.946**	2.461	0.15
255	0	0	32	168.1	120	0.9	0.02	0.22	0	2.1	**22.296**	3.222	0.219
195	0	0	32	88.3	64.1	0.9	0.02	0.22	0	1.62	**9.561**	0.834	0.034
131-B1	0	0	32	147.8	105.8	0.9	0.02	0.22	0	1.98	**18.755**	2.42	0.147
197	0	0	32	103.3	74.6	0.9	0.02	0.22	0	1.71	**11.654**	1.132	0.052
124-B1	0	0	32	77.2	56.3	0.9	0.02	0.22	0	1.56	**8.123**	0.65	0.025
224	0	0	32	165.2	117.9	0.9	0.02	0.22	0	2.08	**21.771**	3.096	0.207
324	0	0	32	80.5	58.7	0.9	0.02	0.22	0	1.58	**8.543**	0.702	0.027
171-B1	0	0	32	189.8	135.1	0.9	0.02	0.22	0	2.22	**26.193**	4.233	0.322
226	0	0	32	194.5	138.4	0.9	0.02	0.22	0	2.25	**27.049**	4.474	0.349
226A	0	0	32	363.9	257	0.9	0.02	0.22	0	3.22	**55.895**	**17.398**	2.628
303	0	0	32	99.6	72	0.9	0.02	0.22	0	1.69	**11.112**	1.051	0.047
075-B1	0	0	32	86.6	62.9	0.9	0.02	0.22	0	1.61	**9.331**	0.803	0.033
157-B1	0	0	32	100.8	72.8	0.9	0.02	0.22	0	1.7	**11.284**	1.077	0.049
157-B2	0	0	32	103.2	74.6	0.9	0.02	0.22	0	1.71	**11.643**	1.131	0.052
098-B1	0	0	32	46	34.5	0.9	0.02	0.22	0	1.37	4.733	0.291	0.009
173	0	0	32	287.4	203.5	0.9	0.02	0.22	0	2.79	**43.744**	**10.669**	1.241
1000	0	0	32	213.8	152	0.9	0.02	0.22	0	2.36	**30.593**	**5.544**	0.474

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Current Resident with a Beach, Smallmouth Bass
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 030620 SMB Res bch fish.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
202	0	0	32	267.1	189.3	0.9	0.02	0.2	0	2.67	**40.114**	**9.057**	0.971
800B	0	0	32	226	160.5	0.9	0.02	0.2	0	2.43	**32.711**	**6.242**	0.563
204	0	0	32	43	32.4	0.9	0.02	0.2	0	1.35	4.407	0.262	0.007
251B	0	0	32	149	106.6	0.9	0.02	0.2	0	1.98	**18.847**	2.44	0.149
255	0	0	32	168.1	120	0.9	0.02	0.2	0	2.09	**22.193**	3.197	0.217
195	0	0	32	88.3	64.1	0.9	0.02	0.2	0	1.62	**9.483**	0.823	0.034
131-B1	0	0	32	147.8	105.8	0.9	0.02	0.2	0	1.97	**18.656**	2.399	0.145
197	0	0	32	103.3	74.6	0.9	0.02	0.2	0	1.71	**11.57**	1.12	0.051
124-B1	0	0	32	77.2	56.3	0.9	0.02	0.2	0	1.55	**8.051**	0.641	0.024
224	0	0	32	165.2	117.9	0.9	0.02	0.2	0	2.08	**21.668**	3.072	0.205
324	0	0	32	80.5	58.7	0.9	0.02	0.2	0	1.57	**8.469**	0.693	0.027
171-B1	0	0	32	189.8	135.1	0.9	0.02	0.2	0	2.22	**26.088**	4.204	0.319
226	0	0	32	194.5	138.4	0.9	0.02	0.2	0	2.25	**26.943**	4.444	0.345
226A	0	0	32	363.9	257	0.9	0.02	0.2	0	3.21	**55.811**	**17.343**	2.615
303	0	0	32	99.6	72	0.9	0.02	0.2	0	1.69	**11.029**	1.039	0.046
075-B1	0	0	32	86.6	62.9	0.9	0.02	0.2	0	1.61	**9.255**	0.793	0.032
157-B1	0	0	32	100.8	72.8	0.9	0.02	0.2	0	1.69	**11.201**	1.065	0.048
157-B2	0	0	32	103.2	74.6	0.9	0.02	0.2	0	1.71	**11.559**	1.118	0.051
098-B1	0	0	32	46	34.5	0.9	0.02	0.2	0	1.36	4.68	0.286	0.008
173	0	0	32	287.4	203.5	0.9	0.02	0.2	0	2.78	**43.645**	**10.623**	1.233
1000	0	0	32	213.8	152	0.9	0.02	0.2	0	2.36	**30.487**	**5.51**	0.47

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Current Resident with a Beach, Sturgeon
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 030620 STU Res bch fish.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
202	0	0	32	267.1	189.3	0.9	0.02	0.15	0	2.66	**39.858**	**8.949**	0.954
800B	0	0	32	226	160.5	0.9	0.02	0.15	0	2.42	**32.446**	**6.152**	0.551
204	0	0	32	43	32.4	0.9	0.02	0.15	0	1.34	4.279	0.251	0.007
251B	0	0	32	149	106.6	0.9	0.02	0.15	0	1.97	**18.599**	2.387	0.144
255	0	0	32	168.1	120	0.9	0.02	0.15	0	2.08	**21.936**	3.136	0.211
195	0	0	32	88.3	64.1	0.9	0.02	0.15	0	1.61	**9.292**	0.798	0.033
131-B1	0	0	32	147.8	105.8	0.9	0.02	0.15	0	1.97	**18.409**	2.347	0.141
197	0	0	32	103.3	74.6	0.9	0.02	0.15	0	1.7	**11.36**	1.088	0.049
124-B1	0	0	32	77.2	56.3	0.9	0.02	0.15	0	1.54	**7.873**	0.62	0.023
224	0	0	32	165.2	117.9	0.9	0.02	0.15	0	2.07	**21.413**	3.012	0.199
324	0	0	32	80.5	58.7	0.9	0.02	0.15	0	1.56	**8.287**	0.67	0.026
171-B1	0	0	32	189.8	135.1	0.9	0.02	0.15	0	2.21	**25.824**	4.132	0.311
226	0	0	32	194.5	138.4	0.9	0.02	0.15	0	2.24	**26.679**	4.369	0.337
226A	0	0	32	363.9	257	0.9	0.02	0.15	0	3.21	**55.599**	**17.206**	2.582
303	0	0	32	99.6	72	0.9	0.02	0.15	0	1.68	**10.824**	1.009	0.045
075-B1	0	0	32	86.6	62.9	0.9	0.02	0.15	0	1.6	**9.065**	0.768	0.031
157-B1	0	0	32	100.8	72.8	0.9	0.02	0.15	0	1.69	**10.995**	1.034	0.046
157-B2	0	0	32	103.2	74.6	0.9	0.02	0.15	0	1.7	**11.349**	1.087	0.049
098-B1	0	0	32	46	34.5	0.9	0.02	0.15	0	1.36	4.547	0.274	0.008
173	0	0	32	287.4	203.5	0.9	0.02	0.15	0	2.77	**43.397**	**10.508**	1.213
1000	0	0	32	213.8	152	0.9	0.02	0.15	0	2.35	**30.221**	**5.426**	0.46

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Current Resident with a Beach, Sucker
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 030620 SUC Res bch fish.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
202	0	0	32	267.1	189.3	0.9	0.02	0.7	0	2.75	**42.645**	**10.164**	1.154
800B	0	0	32	226	160.5	0.9	0.02	0.7	0	2.51	**35.348**	**7.176**	0.689
204	0	0	32	43	32.4	0.9	0.02	0.7	0	1.43	**5.812**	0.393	0.013
251B	0	0	32	149	106.6	0.9	0.02	0.7	0	2.07	**21.366**	3.001	0.198
255	0	0	32	168.1	120	0.9	0.02	0.7	0	2.18	**24.79**	3.853	0.282
195	0	0	32	88.3	64.1	0.9	0.02	0.7	0	1.71	**11.496**	1.109	0.051
131-B1	0	0	32	147.8	105.8	0.9	0.02	0.7	0	2.06	**21.169**	2.955	0.194
197	0	0	32	103.3	74.6	0.9	0.02	0.7	0	1.8	**13.744**	1.468	0.074
124-B1	0	0	32	77.2	56.3	0.9	0.02	0.7	0	1.64	**9.929**	0.883	0.037
224	0	0	32	165.2	117.9	0.9	0.02	0.7	0	2.16	**24.256**	3.714	0.268
324	0	0	32	80.5	58.7	0.9	0.02	0.7	0	1.66	**10.389**	0.947	0.041
171-B1	0	0	32	189.8	135.1	0.9	0.02	0.7	0	2.3	**28.732**	4.967	0.405
226	0	0	32	194.5	138.4	0.9	0.02	0.7	0	2.33	**29.592**	**5.229**	0.436
226A	0	0	32	363.9	257	0.9	0.02	0.7	0	3.29	**57.884**	**18.729**	2.952
303	0	0	32	99.6	72	0.9	0.02	0.7	0	1.77	**13.165**	1.371	0.067
075-B1	0	0	32	86.6	62.9	0.9	0.02	0.7	0	1.7	**11.247**	1.071	0.048
157-B1	0	0	32	100.8	72.8	0.9	0.02	0.7	0	1.78	**13.35**	1.402	0.069
157-B2	0	0	32	103.2	74.6	0.9	0.02	0.7	0	1.8	**13.733**	1.466	0.074
098-B1	0	0	32	46	34.5	0.9	0.02	0.7	0	1.45	**6.128**	0.426	0.014
173	0	0	32	287.4	203.5	0.9	0.02	0.7	0	2.86	**46.098**	**11.804**	1.445
1000	0	0	32	213.8	152	0.9	0.02	0.7	0	2.44	**33.136**	**6.388**	0.582

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Current Resident with a Beach, Walleye
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 030620 WAL Res bch fish.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
202	0	0	32	267.1	210.6	0.9	0.02	0.7	0	2.83	**45.044**	**11.287**	1.35
800B	0	0	32	226	160.5	0.9	0.02	0.7	0	2.51	**35.348**	**7.176**	0.689
204	0	0	32	43	32.4	0.9	0.02	0.7	0	1.43	**5.812**	0.393	0.013
251B	0	0	32	149	106.6	0.9	0.02	0.7	0	2.07	**21.366**	3.001	0.198
255	0	0	32	168.1	120	0.9	0.02	0.7	0	2.18	**24.79**	3.853	0.282
195	0	0	32	88.3	64.1	0.9	0.02	0.7	0	1.71	**11.496**	1.109	0.051
131-B1	0	0	32	147.8	105.8	0.9	0.02	0.7	0	2.06	**21.169**	2.955	0.194
197	0	0	32	103.3	74.6	0.9	0.02	0.7	0	1.8	**13.744**	1.468	0.074
124-B1	0	0	32	77.2	56.3	0.9	0.02	0.7	0	1.64	**9.929**	0.883	0.037
224	0	0	32	165.2	117.9	0.9	0.02	0.7	0	2.16	**24.256**	3.714	0.268
324	0	0	32	80.5	58.7	0.9	0.02	0.7	0	1.66	**10.389**	0.947	0.041
171-B1	0	0	32	189.8	135.1	0.9	0.02	0.7	0	2.3	**28.732**	4.967	0.405
226	0	0	32	194.5	138.4	0.9	0.02	0.7	0	2.33	**29.592**	**5.229**	0.436
226A	0	0	32	363.9	257	0.9	0.02	0.7	0	3.29	**57.884**	**18.729**	2.952
303	0	0	32	99.6	72	0.9	0.02	0.7	0	1.77	**13.165**	1.371	0.067
075-B1	0	0	32	86.6	62.9	0.9	0.02	0.7	0	1.7	**11.247**	1.071	0.048
157-B1	0	0	32	100.8	72.8	0.9	0.02	0.7	0	1.78	**13.35**	1.402	0.069
157-B2	0	0	32	103.2	74.6	0.9	0.02	0.7	0	1.8	**13.733**	1.466	0.074
098-B1	0	0	32	46	34.5	0.9	0.02	0.7	0	1.45	**6.128**	0.426	0.014
173	0	0	32	287.4	203.5	0.9	0.02	0.7	0	2.86	**46.098**	**11.804**	1.445
1000	0	0	32	213.8	152	0.9	0.02	0.7	0	2.44	**33.136**	**6.388**	0.582

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Current Resident with a Beach, Whitefish
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, or 8 µg/dL

Input File: 030620 WHI Res bch fish.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
202	0	0	32	267.1	189.3	0.9	0.02	0.17	0	2.66	**39.96**	**8.992**	0.961
800B	0	0	32	226	160.5	0.9	0.02	0.17	0	2.43	**32.552**	**6.188**	0.556
204	0	0	32	43	32.4	0.9	0.02	0.17	0	1.34	4.33	0.255	0.007
251B	0	0	32	149	106.6	0.9	0.02	0.17	0	1.98	**18.698**	2.408	0.146
255	0	0	32	168.1	120	0.9	0.02	0.17	0	2.09	**22.038**	3.16	0.213
195	0	0	32	88.3	64.1	0.9	0.02	0.17	0	1.61	**9.368**	0.808	0.033
131-B1	0	0	32	147.8	105.8	0.9	0.02	0.17	0	1.97	**18.507**	2.368	0.143
197	0	0	32	103.3	74.6	0.9	0.02	0.17	0	1.7	**11.444**	1.101	0.05
124-B1	0	0	32	77.2	56.3	0.9	0.02	0.17	0	1.55	**7.944**	0.629	0.024
224	0	0	32	165.2	117.9	0.9	0.02	0.17	0	2.07	**21.515**	3.036	0.202
324	0	0	32	80.5	58.7	0.9	0.02	0.17	0	1.57	**8.36**	0.679	0.026
171-B1	0	0	32	189.8	135.1	0.9	0.02	0.17	0	2.21	**25.93**	4.16	0.314
226	0	0	32	194.5	138.4	0.9	0.02	0.17	0	2.24	**26.785**	4.399	0.34
226A	0	0	32	363.9	257	0.9	0.02	0.17	0	3.21	**55.684**	**17.261**	2.595
303	0	0	32	99.6	72	0.9	0.02	0.17	0	1.68	**10.906**	1.021	0.045
075-B1	0	0	32	86.6	62.9	0.9	0.02	0.17	0	1.6	**9.141**	0.778	0.031
157-B1	0	0	32	100.8	72.8	0.9	0.02	0.17	0	1.69	**11.077**	1.046	0.047
157-B2	0	0	32	103.2	74.6	0.9	0.02	0.17	0	1.7	**11.433**	1.099	0.05
098-B1	0	0	32	46	34.5	0.9	0.02	0.17	0	1.36	4.599	0.279	0.008
173	0	0	32	287.4	203.5	0.9	0.02	0.17	0	2.78	**43.496**	**10.554**	1.22
1000	0	0	32	213.8	152	0.9	0.02	0.17	0	2.36	**30.327**	**5.459**	0.464

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 3/6/2020
Site Name: UCR
Operable Unit: Resident with a Beach, no fish consumption
Run Mode:Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3, 5, 8 µg/dL

Input File: Res bch 03062020 NO FISH.dat

ID	FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
202	0	0	32	267.1	189.3	0.9	0.02	0.13	0	2.66	**39.755**	**8.906**	0.947
800B	0	0	32	226	160.5	0.9	0.02	0.13	0	2.42	**32.34**	**6.117**	0.546
204	0	0	32	43	32.4	0.9	0.02	0.13	0	1.33	4.228	0.246	0.007
251B	0	0	32	149	106.6	0.9	0.02	0.13	0	1.97	**18.5**	2.367	0.143
255	0	0	32	168.1	120	0.9	0.02	0.13	0	2.08	**21.833**	3.111	0.209
195	0	0	32	88.3	64.1	0.9	0.02	0.13	0	1.61	**9.215**	0.788	0.032
131-B1	0	0	32	147.8	105.8	0.9	0.02	0.13	0	1.96	**18.31**	2.327	0.139
197	0	0	32	103.3	74.6	0.9	0.02	0.13	0	1.7	**11.277**	1.076	0.049
124-B1	0	0	32	77.2	56.3	0.9	0.02	0.13	0	1.54	**7.803**	0.612	0.023
224	0	0	32	165.2	117.9	0.9	0.02	0.13	0	2.06	**21.31**	2.988	0.197
324	0	0	32	80.5	58.7	0.9	0.02	0.13	0	1.56	**8.215**	0.661	0.025
171-B1	0	0	32	189.8	135.1	0.9	0.02	0.13	0	2.21	**25.719**	4.103	0.308
226	0	0	32	194.5	138.4	0.9	0.02	0.13	0	2.24	**26.574**	4.339	0.334
226A	0	0	32	363.9	257	0.9	0.02	0.13	0	3.2	**55.514**	**17.152**	2.57
303	0	0	32	99.6	72	0.9	0.02	0.13	0	1.67	**10.742**	0.998	0.044
075-B1	0	0	32	86.6	62.9	0.9	0.02	0.13	0	1.6	**8.99**	0.759	0.03
157-B1	0	0	32	100.8	72.8	0.9	0.02	0.13	0	1.68	**10.912**	1.022	0.045
157-B2	0	0	32	103.2	74.6	0.9	0.02	0.13	0	1.7	**11.266**	1.074	0.048
098-B1	0	0	32	46	34.5	0.9	0.02	0.13	0	1.35	4.494	0.269	0.008
173	0	0	32	287.4	203.5	0.9	0.02	0.13	0	2.77	**43.297**	**10.462**	1.205
1000	0	0	32	213.8	152	0.9	0.02	0.13	0	2.35	**30.115**	**5.392**	0.455

Lead Risk Calculations for Child Recreational Visitors at Public Beaches, with Fish Consumption

DU	Fish	Beach Trips			Boat Trips			Camping		
		P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)
AA Campground	Burbot	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
AA Campground	Kokanee	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
AA Campground	N. Pike	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
AA Campground	Rainbow Trout	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
AA Campground	SM Bass	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
AA Campground	Sturgeon	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
AA Campground	Sucker	**15.7**	1.8	0.1	**15.6**	1.8	0.1	**16.2**	1.9	0.1
AA Campground	Walleye	**14.1**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1
AA Campground	Whitefish	**13.8**	1.5	0.1	**13.8**	1.5	0.1	**14.3**	1.6	0.1
Barnaby Island Campground	Burbot	**14.2**	1.5	0.1	**14.1**	1.5	0.1	**14.7**	1.6	0.1
Barnaby Island Campground	Kokanee	**13.9**	1.5	0.1	**13.9**	1.5	0.1	**14.4**	1.6	0.1
Barnaby Island Campground	N. Pike	**13.9**	1.5	0.1	**13.9**	1.5	0.1	**14.4**	1.6	0.1
Barnaby Island Campground	Rainbow Trout	**14.2**	1.5	0.1	**14.1**	1.5	0.1	**14.7**	1.6	0.1
Barnaby Island Campground	SM Bass	**14.1**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1
Barnaby Island Campground	Sturgeon	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Barnaby Island Campground	Sucker	**15.9**	1.8	0.1	**15.8**	1.8	0.1	**16.4**	1.9	0.1
Barnaby Island Campground	Walleye	**14.3**	1.6	0.1	**14.2**	1.5	0.1	**14.8**	1.6	0.1
Barnaby Island Campground	Whitefish	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Black Sand Beach	Burbot	**17.3**	2.1	0.1	**17.2**	2.1	0.1	**17.8**	2.2	0.1
Black Sand Beach	Kokanee	**17.0**	2.1	0.1	**16.9**	2.0	0.1	**17.5**	2.2	0.1
Black Sand Beach	N. Pike	**17.0**	2.1	0.1	**16.9**	2.0	0.1	**17.5**	2.2	0.1
Black Sand Beach	Rainbow Trout	**17.3**	2.1	0.1	**17.2**	2.1	0.1	**17.8**	2.2	0.1
Black Sand Beach	SM Bass	**17.2**	2.1	0.1	**17.1**	2.1	0.1	**17.7**	2.2	0.1
Black Sand Beach	Sturgeon	**17.0**	2.1	0.1	**16.9**	2.0	0.1	**17.6**	2.2	0.1
Black Sand Beach	Sucker	**19.0**	2.5	0.2	**18.9**	2.5	0.2	**19.6**	2.6	0.2
Black Sand Beach	Walleye	**17.3**	2.1	0.1	**17.2**	2.1	0.1	**17.9**	2.2	0.1
Black Sand Beach	Whitefish	**17.1**	2.1	0.1	**17.0**	2.1	0.1	**17.6**	2.2	0.1
Bossburg Flat-2011	Burbot	**34.9**	**7.0**	0.7	**34.8**	**7.0**	0.7	**35.5**	**7.2**	0.7
Bossburg Flat-2011	Kokanee	**34.6**	**6.9**	0.7	**34.5**	**6.9**	0.6	**35.2**	**7.1**	0.7
Bossburg Flat-2011	N. Pike	**34.6**	**6.9**	0.7	**34.5**	**6.9**	0.6	**35.2**	**7.1**	0.7
Bossburg Flat-2011	Rainbow Trout	**34.9**	**7.0**	0.7	**34.8**	**7.0**	0.7	**35.5**	**7.2**	0.7
Bossburg Flat-2011	SM Bass	**34.8**	**7.0**	0.7	**34.7**	**7.0**	0.7	**35.4**	**7.2**	0.7
Bossburg Flat-2011	Sturgeon	**34.7**	**6.9**	0.7	**34.6**	**6.9**	0.7	**35.3**	**7.1**	0.7
Bossburg Flat-2011	Sucker	**36.8**	**7.7**	0.8	**36.7**	**7.7**	0.8	**37.4**	**8.0**	0.8
Bossburg Flat-2011	Walleye	**35.0**	**7.0**	0.7	**34.9**	**7.0**	0.7	**35.6**	**7.3**	0.7
Bossburg Flat-2011	Whitefish	**34.7**	**7.0**	0.7	**34.6**	**6.9**	0.7	**35.3**	**7.2**	0.7
Bossburg Flat-2015-SDU-01	Burbot	**18.0**	2.3	0.1	**17.9**	2.2	0.1	**18.6**	2.4	0.1
Bossburg Flat-2015-SDU-01	Kokanee	**17.7**	2.2	0.1	**17.6**	2.2	0.1	**18.3**	2.3	0.1
Bossburg Flat-2015-SDU-01	N. Pike	**17.7**	2.2	0.1	**17.6**	2.2	0.1	**18.3**	2.3	0.1
Bossburg Flat-2015-SDU-01	Rainbow Trout	**18.0**	2.3	0.1	**17.9**	2.2	0.1	**18.6**	2.4	0.1
Bossburg Flat-2015-SDU-01	SM Bass	**17.9**	2.2	0.1	**17.8**	2.2	0.1	**18.5**	2.4	0.1
Bossburg Flat-2015-SDU-01	Sturgeon	**17.8**	2.2	0.1	**17.7**	2.2	0.1	**18.3**	2.3	0.1
Bossburg Flat-2015-SDU-01	Sucker	**19.8**	2.6	0.2	**19.7**	2.6	0.2	**20.4**	2.8	0.2

Lead Risk Calculations for Child Recreational Visitors at Public Beaches, with Fish Consumption

DU	Fish	Beach Trips			Boat Trips			Camping		
		P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)
Bossburg Flat-2015-SDU-01	Walleye	**18.1**	2.3	0.1	**18.0**	2.3	0.1	**18.6**	2.4	0.1
Bossburg Flat-2015-SDU-01	Whitefish	**17.8**	2.2	0.1	**17.7**	2.2	0.1	**18.4**	2.3	0.1
Bossburg Flat-2015-SDU-02	Burbot	**18.0**	2.3	0.1	**17.9**	2.2	0.1	**18.6**	2.4	0.1
Bossburg Flat-2015-SDU-02	Kokanee	**17.7**	2.2	0.1	**17.6**	2.2	0.1	**18.3**	2.3	0.1
Bossburg Flat-2015-SDU-02	N. Pike	**17.7**	2.2	0.1	**17.6**	2.2	0.1	**18.3**	2.3	0.1
Bossburg Flat-2015-SDU-02	Rainbow Trout	**18.0**	2.3	0.1	**17.9**	2.2	0.1	**18.6**	2.4	0.1
Bossburg Flat-2015-SDU-02	SM Bass	**17.9**	2.2	0.1	**17.8**	2.2	0.1	**18.5**	2.4	0.1
Bossburg Flat-2015-SDU-02	Sturgeon	**17.8**	2.2	0.1	**17.7**	2.2	0.1	**18.3**	2.3	0.1
Bossburg Flat-2015-SDU-02	Sucker	**19.8**	2.6	0.2	**19.7**	2.6	0.2	**20.4**	2.8	0.2
Bossburg Flat-2015-SDU-02	Walleye	**18.1**	2.3	0.1	**18.0**	2.3	0.1	**18.6**	2.4	0.1
Bossburg Flat-2015-SDU-02	Whitefish	**17.8**	2.2	0.1	**17.7**	2.2	0.1	**18.4**	2.3	0.1
Bossburg Flat-2015-SDU-03	Burbot	**14.9**	1.7	0.1	**14.8**	1.7	0.1	**15.4**	1.8	0.1
Bossburg Flat-2015-SDU-03	Kokanee	**14.7**	1.6	0.1	**14.6**	1.6	0.1	**15.2**	1.7	0.1
Bossburg Flat-2015-SDU-03	N. Pike	**14.7**	1.6	0.1	**14.6**	1.6	0.1	**15.2**	1.7	0.1
Bossburg Flat-2015-SDU-03	Rainbow Trout	**14.9**	1.7	0.1	**14.8**	1.7	0.1	**15.4**	1.8	0.1
Bossburg Flat-2015-SDU-03	SM Bass	**14.8**	1.7	0.1	**14.7**	1.6	0.1	**15.3**	1.7	0.1
Bossburg Flat-2015-SDU-03	Sturgeon	**14.7**	1.6	0.1	**14.6**	1.6	0.1	**15.2**	1.7	0.1
Bossburg Flat-2015-SDU-03	Sucker	**16.6**	2.0	0.1	**16.5**	2.0	0.1	**17.2**	2.1	0.1
Bossburg Flat-2015-SDU-03	Walleye	**15.0**	1.7	0.1	**14.9**	1.7	0.1	**15.5**	1.8	0.1
Bossburg Flat-2015-SDU-03	Whitefish	**14.7**	1.6	0.1	**14.7**	1.6	0.1	**15.3**	1.7	0.1
Bossburg Flat-2015-SDU-04	Burbot	**14.3**	1.6	0.1	**14.2**	1.6	0.1	**14.8**	1.7	0.1
Bossburg Flat-2015-SDU-04	Kokanee	**14.1**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1
Bossburg Flat-2015-SDU-04	N. Pike	**14.1**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1
Bossburg Flat-2015-SDU-04	Rainbow Trout	**14.3**	1.6	0.1	**14.2**	1.6	0.1	**14.8**	1.7	0.1
Bossburg Flat-2015-SDU-04	SM Bass	**14.2**	1.6	0.1	**14.2**	1.5	0.1	**14.7**	1.6	0.1
Bossburg Flat-2015-SDU-04	Sturgeon	**14.1**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1
Bossburg Flat-2015-SDU-04	Sucker	**16.0**	1.9	0.1	**15.9**	1.9	0.1	**16.5**	2.0	0.1
Bossburg Flat-2015-SDU-04	Walleye	**14.4**	1.6	0.1	**14.3**	1.6	0.1	**14.9**	1.7	0.1
Bossburg Flat-2015-SDU-04	Whitefish	**14.2**	1.5	0.1	**14.1**	1.5	0.1	**14.7**	1.6	0.1
Bossburg Flat-2015-SDU-08	Burbot	**17.8**	2.2	0.1	**17.7**	2.2	0.1	**18.3**	2.3	0.1
Bossburg Flat-2015-SDU-08	Kokanee	**17.5**	2.2	0.1	**17.4**	2.1	0.1	**18.1**	2.3	0.1
Bossburg Flat-2015-SDU-08	N. Pike	**17.5**	2.2	0.1	**17.4**	2.1	0.1	**18.1**	2.3	0.1
Bossburg Flat-2015-SDU-08	Rainbow Trout	**17.8**	2.2	0.1	**17.7**	2.2	0.1	**18.3**	2.3	0.1
Bossburg Flat-2015-SDU-08	SM Bass	**17.7**	2.2	0.1	**17.6**	2.2	0.1	**18.2**	2.3	0.1
Bossburg Flat-2015-SDU-08	Sturgeon	**17.6**	2.2	0.1	**17.5**	2.2	0.1	**18.1**	2.3	0.1
Bossburg Flat-2015-SDU-08	Sucker	**19.6**	2.6	0.2	**19.5**	2.6	0.2	**20.1**	2.7	0.2
Bossburg Flat-2015-SDU-08	Walleye	**17.9**	2.2	0.1	**17.8**	2.2	0.1	**18.4**	2.3	0.1
Bossburg Flat-2015-SDU-08	Whitefish	**17.6**	2.2	0.1	**17.5**	2.2	0.1	**18.1**	2.3	0.1
Bossburg Flat-2015-SDU-09	Burbot	**14.7**	1.6	0.1	**14.6**	1.6	0.1	**15.2**	1.7	0.1
Bossburg Flat-2015-SDU-09	Kokanee	**14.5**	1.6	0.1	**14.4**	1.6	0.1	**15.0**	1.7	0.1
Bossburg Flat-2015-SDU-09	N. Pike	**14.5**	1.6	0.1	**14.4**	1.6	0.1	**15.0**	1.7	0.1
Bossburg Flat-2015-SDU-09	Rainbow Trout	**14.7**	1.6	0.1	**14.6**	1.6	0.1	**15.2**	1.7	0.1
Bossburg Flat-2015-SDU-09	SM Bass	**14.6**	1.6	0.1	**14.5**	1.6	0.1	**15.1**	1.7	0.1

Lead Risk Calculations for Child Recreational Visitors at Public Beaches, with Fish Consumption

DU	Fish	Beach Trips			Boat Trips			Camping		
		P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)
Bossburg Flat-2015-SDU-09	Sturgeon	**14.5**	1.6	0.1	**14.4**	1.6	0.1	**15.0**	1.7	0.1
Bossburg Flat-2015-SDU-09	Sucker	**16.4**	2.0	0.1	**16.3**	1.9	0.1	**16.9**	2.1	0.1
Bossburg Flat-2015-SDU-09	Walleye	**14.8**	1.6	0.1	**14.7**	1.6	0.1	**15.3**	1.7	0.1
Bossburg Flat-2015-SDU-09	Whitefish	**14.5**	1.6	0.1	**14.5**	1.6	0.1	**15.1**	1.7	0.1
Bossburg Flat-2015-SDU-10	Burbot	**14.9**	1.7	0.1	**14.8**	1.6	0.1	**15.4**	1.8	0.1
Bossburg Flat-2015-SDU-10	Kokanee	**14.6**	1.6	0.1	**14.5**	1.6	0.1	**15.1**	1.7	0.1
Bossburg Flat-2015-SDU-10	N. Pike	**14.6**	1.6	0.1	**14.5**	1.6	0.1	**15.1**	1.7	0.1
Bossburg Flat-2015-SDU-10	Rainbow Trout	**14.9**	1.7	0.1	**14.8**	1.6	0.1	**15.4**	1.8	0.1
Bossburg Flat-2015-SDU-10	SM Bass	**14.8**	1.6	0.1	**14.7**	1.6	0.1	**15.3**	1.7	0.1
Bossburg Flat-2015-SDU-10	Sturgeon	**14.6**	1.6	0.1	**14.5**	1.6	0.1	**15.1**	1.7	0.1
Bossburg Flat-2015-SDU-10	Sucker	**16.6**	2.0	0.1	**16.5**	2.0	0.1	**17.1**	2.1	0.1
Bossburg Flat-2015-SDU-10	Walleye	**14.9**	1.7	0.1	**14.8**	1.7	0.1	**15.4**	1.8	0.1
Bossburg Flat-2015-SDU-10	Whitefish	**14.7**	1.6	0.1	**14.6**	1.6	0.1	**15.2**	1.7	0.1
Bradbury	Burbot	**14.8**	1.7	0.1	**14.7**	1.6	0.1	**15.3**	1.7	0.1
Bradbury	Kokanee	**14.5**	1.6	0.1	**14.4**	1.6	0.1	**15.0**	1.7	0.1
Bradbury	N. Pike	**14.5**	1.6	0.1	**14.4**	1.6	0.1	**15.0**	1.7	0.1
Bradbury	Rainbow Trout	**14.8**	1.7	0.1	**14.7**	1.6	0.1	**15.3**	1.7	0.1
Bradbury	SM Bass	**14.7**	1.6	0.1	**14.6**	1.6	0.1	**15.2**	1.7	0.1
Bradbury	Sturgeon	**14.6**	1.6	0.1	**14.5**	1.6	0.1	**15.1**	1.7	0.1
Bradbury	Sucker	**16.5**	2.0	0.1	**16.4**	1.9	0.1	**17.0**	2.1	0.1
Bradbury	Walleye	**14.9**	1.7	0.1	**14.8**	1.6	0.1	**15.4**	1.8	0.1
Bradbury	Whitefish	**14.6**	1.6	0.1	**14.5**	1.6	0.1	**15.1**	1.7	0.1
China Bend	Burbot	**17.6**	2.2	0.1	**17.5**	2.2	0.1	**18.2**	2.3	0.1
China Bend	Kokanee	**17.3**	2.1	0.1	**17.3**	2.1	0.1	**17.9**	2.2	0.1
China Bend	N. Pike	**17.3**	2.1	0.1	**17.3**	2.1	0.1	**17.9**	2.2	0.1
China Bend	Rainbow Trout	**17.6**	2.2	0.1	**17.5**	2.2	0.1	**18.2**	2.3	0.1
China Bend	SM Bass	**17.5**	2.2	0.1	**17.4**	2.2	0.1	**18.1**	2.3	0.1
China Bend	Sturgeon	**17.4**	2.1	0.1	**17.3**	2.1	0.1	**17.9**	2.2	0.1
China Bend	Sucker	**19.4**	2.6	0.2	**19.3**	2.5	0.2	**20.0**	2.7	0.2
China Bend	Walleye	**17.7**	2.2	0.1	**17.6**	2.2	0.1	**18.2**	2.3	0.1
China Bend	Whitefish	**17.4**	2.2	0.1	**17.3**	2.1	0.1	**18.0**	2.3	0.1
Colville Flats	Burbot	**16.3**	1.9	0.1	**16.2**	1.9	0.1	**16.8**	2.0	0.1
Colville Flats	Kokanee	**16.0**	1.9	0.1	**15.9**	1.9	0.1	**16.5**	2.0	0.1
Colville Flats	N. Pike	**16.0**	1.9	0.1	**15.9**	1.9	0.1	**16.5**	2.0	0.1
Colville Flats	Rainbow Trout	**16.3**	1.9	0.1	**16.2**	1.9	0.1	**16.8**	2.0	0.1
Colville Flats	SM Bass	**16.2**	1.9	0.1	**16.1**	1.9	0.1	**16.7**	2.0	0.1
Colville Flats	Sturgeon	**16.0**	1.9	0.1	**16.0**	1.9	0.1	**16.6**	2.0	0.1
Colville Flats	Sucker	**18.0**	2.3	0.1	**17.9**	2.2	0.1	**18.6**	2.4	0.1
Colville Flats	Walleye	**16.3**	1.9	0.1	**16.2**	1.9	0.1	**16.9**	2.0	0.1
Colville Flats	Whitefish	**16.1**	1.9	0.1	**16.0**	1.9	0.1	**16.6**	2.0	0.1
Colville River	Burbot	**14.0**	1.5	0.1	**14.0**	1.5	0.1	**14.5**	1.6	0.1
Colville River	Kokanee	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Colville River	N. Pike	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1

Lead Risk Calculations for Child Recreational Visitors at Public Beaches, with Fish Consumption

DU	Fish	Beach Trips			Boat Trips			Camping		
		P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)
Colville River	Rainbow Trout	**14.0**	1.5	0.1	**14.0**	1.5	0.1	**14.5**	1.6	0.1
Colville River	SM Bass	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Colville River	Sturgeon	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Colville River	Sucker	**15.7**	1.8	0.1	**15.6**	1.8	0.1	**16.2**	1.9	0.1
Colville River	Walleye	**14.1**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1
Colville River	Whitefish	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Crescent Bay	Burbot	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Crescent Bay	Kokanee	**13.6**	1.5	0.1	**13.6**	1.4	0.1	**14.1**	1.5	0.1
Crescent Bay	N. Pike	**13.6**	1.5	0.1	**13.6**	1.4	0.1	**14.1**	1.5	0.1
Crescent Bay	Rainbow Trout	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Crescent Bay	SM Bass	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Crescent Bay	Sturgeon	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Crescent Bay	Sucker	**15.6**	1.8	0.1	**15.5**	1.8	0.1	**16.1**	1.9	0.1
Crescent Bay	Walleye	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Crescent Bay	Whitefish	**13.7**	1.5	0.1	**13.6**	1.5	0.1	**14.2**	1.6	0.1
Dallas Orchard	Burbot	**18.6**	2.4	0.1	**18.5**	2.4	0.1	**19.1**	2.5	0.2
Dallas Orchard	Kokanee	**18.3**	2.3	0.1	**18.2**	2.3	0.1	**18.8**	2.4	0.1
Dallas Orchard	N. Pike	**18.3**	2.3	0.1	**18.2**	2.3	0.1	**18.8**	2.4	0.1
Dallas Orchard	Rainbow Trout	**18.6**	2.4	0.1	**18.5**	2.4	0.1	**19.1**	2.5	0.2
Dallas Orchard	SM Bass	**18.5**	2.4	0.1	**18.4**	2.3	0.1	**19.0**	2.5	0.2
Dallas Orchard	Sturgeon	**18.3**	2.3	0.1	**18.2**	2.3	0.1	**18.9**	2.4	0.1
Dallas Orchard	Sucker	**20.4**	2.8	0.2	**20.3**	2.8	0.2	**20.9**	2.9	0.2
Dallas Orchard	Walleye	**18.6**	2.4	0.1	**18.5**	2.4	0.1	**19.2**	2.5	0.2
Dallas Orchard	Whitefish	**18.4**	2.3	0.1	**18.3**	2.3	0.1	**18.9**	2.5	0.2
Enterprise	Burbot	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Enterprise	Kokanee	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.2**	1.6	0.1
Enterprise	N. Pike	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.2**	1.6	0.1
Enterprise	Rainbow Trout	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Enterprise	SM Bass	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Enterprise	Sturgeon	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Enterprise	Sucker	**15.7**	1.8	0.1	**15.6**	1.8	0.1	**16.2**	1.9	0.1
Enterprise	Walleye	**14.1**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1
Enterprise	Whitefish	**13.8**	1.5	0.1	**13.8**	1.5	0.1	**14.3**	1.6	0.1
Evans Campground-2011	Burbot	**17.3**	2.1	0.1	**17.2**	2.1	0.1	**17.8**	2.2	0.1
Evans Campground-2011	Kokanee	**17.0**	2.1	0.1	**16.9**	2.0	0.1	**17.5**	2.2	0.1
Evans Campground-2011	N. Pike	**17.0**	2.1	0.1	**16.9**	2.0	0.1	**17.5**	2.2	0.1
Evans Campground-2011	Rainbow Trout	**17.3**	2.1	0.1	**17.2**	2.1	0.1	**17.8**	2.2	0.1
Evans Campground-2011	SM Bass	**17.2**	2.1	0.1	**17.1**	2.1	0.1	**17.7**	2.2	0.1
Evans Campground-2011	Sturgeon	**17.0**	2.1	0.1	**16.9**	2.0	0.1	**17.6**	2.2	0.1
Evans Campground-2011	Sucker	**19.0**	2.5	0.2	**18.9**	2.5	0.2	**19.6**	2.6	0.2
Evans Campground-2011	Walleye	**17.3**	2.1	0.1	**17.2**	2.1	0.1	**17.9**	2.2	0.1
Evans Campground-2011	Whitefish	**17.1**	2.1	0.1	**17.0**	2.1	0.1	**17.6**	2.2	0.1
Evans Campground-2015-SDU-05	Burbot	**16.7**	2.0	0.1	**16.7**	2.0	0.1	**17.3**	2.1	0.1

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DU	Fish	Beach Trips			Boat Trips			Camping		
		P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)
Evans Campground-2015-SDU-05	Kokanee	**16.5**	2.0	0.1	**16.4**	1.9	0.1	**17.0**	2.1	0.1
Evans Campground-2015-SDU-05	N. Pike	**16.5**	2.0	0.1	**16.4**	1.9	0.1	**17.0**	2.1	0.1
Evans Campground-2015-SDU-05	Rainbow Trout	**16.7**	2.0	0.1	**16.7**	2.0	0.1	**17.3**	2.1	0.1
Evans Campground-2015-SDU-05	SM Bass	**16.7**	2.0	0.1	**16.6**	2.0	0.1	**17.2**	2.1	0.1
Evans Campground-2015-SDU-05	Sturgeon	**16.5**	2.0	0.1	**16.4**	1.9	0.1	**17.0**	2.1	0.1
Evans Campground-2015-SDU-05	Sucker	**18.5**	2.4	0.1	**18.4**	2.3	0.1	**19.0**	2.5	0.2
Evans Campground-2015-SDU-05	Walleye	**16.8**	2.0	0.1	**16.7**	2.0	0.1	**17.3**	2.1	0.1
Evans Campground-2015-SDU-05	Whitefish	**16.6**	2.0	0.1	**16.5**	2.0	0.1	**17.1**	2.1	0.1
Evans Campground-2015-SDU-06	Burbot	**14.1**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1
Evans Campground-2015-SDU-06	Kokanee	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Evans Campground-2015-SDU-06	N. Pike	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Evans Campground-2015-SDU-06	Rainbow Trout	**14.1**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1
Evans Campground-2015-SDU-06	SM Bass	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Evans Campground-2015-SDU-06	Sturgeon	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Evans Campground-2015-SDU-06	Sucker	**15.8**	1.8	0.1	**15.7**	1.8	0.1	**16.3**	1.9	0.1
Evans Campground-2015-SDU-06	Walleye	**14.1**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1
Evans Campground-2015-SDU-06	Whitefish	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Evans Campground-2015-SDU-07	Burbot	**16.9**	2.0	0.1	**16.8**	2.0	0.1	**17.4**	2.1	0.1
Evans Campground-2015-SDU-07	Kokanee	**16.6**	2.0	0.1	**16.5**	2.0	0.1	**17.1**	2.1	0.1
Evans Campground-2015-SDU-07	N. Pike	**16.6**	2.0	0.1	**16.5**	2.0	0.1	**17.1**	2.1	0.1
Evans Campground-2015-SDU-07	Rainbow Trout	**16.9**	2.0	0.1	**16.8**	2.0	0.1	**17.4**	2.1	0.1
Evans Campground-2015-SDU-07	SM Bass	**16.8**	2.0	0.1	**16.7**	2.0	0.1	**17.3**	2.1	0.1
Evans Campground-2015-SDU-07	Sturgeon	**16.7**	2.0	0.1	**16.6**	2.0	0.1	**17.2**	2.1	0.1
Evans Campground-2015-SDU-07	Sucker	**18.7**	2.4	0.1	**18.6**	2.4	0.1	**19.2**	2.5	0.2
Evans Campground-2015-SDU-07	Walleye	**16.9**	2.1	0.1	**16.8**	2.0	0.1	**17.5**	2.2	0.1
Evans Campground-2015-SDU-07	Whitefish	**16.7**	2.0	0.1	**16.6**	2.0	0.1	**17.2**	2.1	0.1
Flat Creek	Burbot	**16.6**	2.0	0.1	**16.5**	2.0	0.1	**17.1**	2.1	0.1
Flat Creek	Kokanee	**16.3**	1.9	0.1	**16.2**	1.9	0.1	**16.8**	2.0	0.1
Flat Creek	N. Pike	**16.3**	1.9	0.1	**16.2**	1.9	0.1	**16.8**	2.0	0.1
Flat Creek	Rainbow Trout	**16.6**	2.0	0.1	**16.5**	2.0	0.1	**17.1**	2.1	0.1
Flat Creek	SM Bass	**16.5**	2.0	0.1	**16.4**	1.9	0.1	**17.0**	2.1	0.1
Flat Creek	Sturgeon	**16.3**	1.9	0.1	**16.2**	1.9	0.1	**16.8**	2.0	0.1
Flat Creek	Sucker	**18.3**	2.3	0.1	**18.2**	2.3	0.1	**18.9**	2.4	0.1
Flat Creek	Walleye	**16.6**	2.0	0.1	**16.5**	2.0	0.1	**17.1**	2.1	0.1
Flat Creek	Whitefish	**16.4**	1.9	0.1	**16.3**	1.9	0.1	**16.9**	2.0	0.1
Hawk Creek	Burbot	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Hawk Creek	Kokanee	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Hawk Creek	N. Pike	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Hawk Creek	Rainbow Trout	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Hawk Creek	SM Bass	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Hawk Creek	Sturgeon	**13.7**	1.5	0.1	**13.6**	1.5	0.1	**14.2**	1.6	0.1
Hawk Creek	Sucker	**15.6**	1.8	0.1	**15.5**	1.8	0.1	**16.1**	1.9	0.1
Hawk Creek	Walleye	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1

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		P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)
Hawk Creek	Whitefish	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Hunters	Burbot	**14.0**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1
Hunters	Kokanee	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Hunters	N. Pike	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Hunters	Rainbow Trout	**14.0**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1
Hunters	SM Bass	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Hunters	Sturgeon	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Hunters	Sucker	**15.7**	1.8	0.1	**15.6**	1.8	0.1	**16.2**	1.9	0.1
Hunters	Walleye	**14.1**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1
Hunters	Whitefish	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Jones Bay	Burbot	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Jones Bay	Kokanee	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Jones Bay	N. Pike	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Jones Bay	Rainbow Trout	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Jones Bay	SM Bass	**13.8**	1.5	0.1	**13.8**	1.5	0.1	**14.3**	1.6	0.1
Jones Bay	Sturgeon	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Jones Bay	Sucker	**15.6**	1.8	0.1	**15.5**	1.8	0.1	**16.1**	1.9	0.1
Jones Bay	Walleye	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Jones Bay	Whitefish	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Kamloops Island	Burbot	**14.1**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1
Kamloops Island	Kokanee	**13.8**	1.5	0.1	**13.8**	1.5	0.1	**14.3**	1.6	0.1
Kamloops Island	N. Pike	**13.8**	1.5	0.1	**13.8**	1.5	0.1	**14.3**	1.6	0.1
Kamloops Island	Rainbow Trout	**14.1**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1
Kamloops Island	SM Bass	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Kamloops Island	Sturgeon	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Kamloops Island	Sucker	**15.8**	1.8	0.1	**15.7**	1.8	0.1	**16.3**	1.9	0.1
Kamloops Island	Walleye	**14.2**	1.5	0.1	**14.1**	1.5	0.1	**14.7**	1.6	0.1
Kamloops Island	Whitefish	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Kettle Falls	Burbot	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Kettle Falls	Kokanee	**13.7**	1.5	0.1	**13.6**	1.5	0.1	**14.2**	1.6	0.1
Kettle Falls	N. Pike	**13.7**	1.5	0.1	**13.6**	1.5	0.1	**14.2**	1.6	0.1
Kettle Falls	Rainbow Trout	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Kettle Falls	SM Bass	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Kettle Falls	Sturgeon	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Kettle Falls	Sucker	**15.7**	1.8	0.1	**15.6**	1.8	0.1	**16.2**	1.9	0.1
Kettle Falls	Walleye	**14.1**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1
Kettle Falls	Whitefish	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Lyons Island	Burbot	**15.1**	1.7	0.1	**15.0**	1.7	0.1	**15.6**	1.8	0.1
Lyons Island	Kokanee	**14.8**	1.7	0.1	**14.7**	1.6	0.1	**15.3**	1.7	0.1
Lyons Island	N. Pike	**14.8**	1.7	0.1	**14.7**	1.6	0.1	**15.3**	1.7	0.1
Lyons Island	Rainbow Trout	**15.1**	1.7	0.1	**15.0**	1.7	0.1	**15.6**	1.8	0.1
Lyons Island	SM Bass	**15.0**	1.7	0.1	**14.9**	1.7	0.1	**15.5**	1.8	0.1
Lyons Island	Sturgeon	**14.8**	1.7	0.1	**14.7**	1.6	0.1	**15.4**	1.8	0.1

Lead Risk Calculations for Child Recreational Visitors at Public Beaches, with Fish Consumption

DU	Fish	Beach Trips			Boat Trips			Camping		
		P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)
Lyons Island	Sucker	**16.8**	2.0	0.1	**16.7**	2.0	0.1	**17.3**	2.1	0.1
Lyons Island	Walleye	**15.1**	1.7	0.1	**15.0**	1.7	0.1	**15.6**	1.8	0.1
Lyons Island	Whitefish	**14.9**	1.7	0.1	**14.8**	1.7	0.1	**15.4**	1.8	0.1
McGuires	Burbot	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
McGuires	Kokanee	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
McGuires	N. Pike	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
McGuires	Rainbow Trout	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
McGuires	SM Bass	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
McGuires	Sturgeon	**13.7**	1.5	0.1	**13.6**	1.5	0.1	**14.2**	1.6	0.1
McGuires	Sucker	**15.6**	1.8	0.1	**15.5**	1.8	0.1	**16.1**	1.9	0.1
McGuires	Walleye	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
McGuires	Whitefish	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Mitchell Point	Burbot	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Mitchell Point	Kokanee	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Mitchell Point	N. Pike	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Mitchell Point	Rainbow Trout	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Mitchell Point	SM Bass	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Mitchell Point	Sturgeon	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Mitchell Point	Sucker	**15.6**	1.8	0.1	**15.6**	1.8	0.1	**16.2**	1.9	0.1
Mitchell Point	Walleye	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Mitchell Point	Whitefish	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Naborlee	Burbot	**14.2**	1.5	0.1	**14.1**	1.5	0.1	**14.7**	1.6	0.1
Naborlee	Kokanee	**13.9**	1.5	0.1	**13.9**	1.5	0.1	**14.4**	1.6	0.1
Naborlee	N. Pike	**13.9**	1.5	0.1	**13.9**	1.5	0.1	**14.4**	1.6	0.1
Naborlee	Rainbow Trout	**14.2**	1.5	0.1	**14.1**	1.5	0.1	**14.7**	1.6	0.1
Naborlee	SM Bass	**14.1**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1
Naborlee	Sturgeon	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Naborlee	Sucker	**15.9**	1.8	0.1	**15.8**	1.8	0.1	**16.4**	1.9	0.1
Naborlee	Walleye	**14.3**	1.6	0.1	**14.2**	1.5	0.1	**14.8**	1.6	0.1
Naborlee	Whitefish	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Nez Perce	Burbot	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Nez Perce	Kokanee	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Nez Perce	N. Pike	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Nez Perce	Rainbow Trout	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Nez Perce	SM Bass	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Nez Perce	Sturgeon	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Nez Perce	Sucker	**15.6**	1.8	0.1	**15.5**	1.8	0.1	**16.2**	1.9	0.1
Nez Perce	Walleye	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Nez Perce	Whitefish	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Northport Beach	Burbot	**17.9**	2.2	0.1	**17.8**	2.2	0.1	**18.5**	2.4	0.1
Northport Beach	Kokanee	**17.6**	2.2	0.1	**17.5**	2.2	0.1	**18.2**	2.3	0.1
Northport Beach	N. Pike	**17.6**	2.2	0.1	**17.5**	2.2	0.1	**18.2**	2.3	0.1
Northport Beach	Rainbow Trout	**17.9**	2.2	0.1	**17.8**	2.2	0.1	**18.5**	2.4	0.1

Lead Risk Calculations for Child Recreational Visitors at Public Beaches, with Fish Consumption

DU	Fish	Beach Trips			Boat Trips			Camping		
		P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)
Northport Beach	SM Bass	**17.8**	2.2	0.1	**17.7**	2.2	0.1	**18.4**	2.3	0.1
Northport Beach	Sturgeon	**17.7**	2.2	0.1	**17.6**	2.2	0.1	**18.2**	2.3	0.1
Northport Beach	Sucker	**19.7**	2.6	0.2	**19.6**	2.6	0.2	**20.2**	2.7	0.2
Northport Beach	Walleye	**18.0**	2.3	0.1	**17.9**	2.2	0.1	**18.5**	2.4	0.1
Northport Beach	Whitefish	**17.7**	2.2	0.1	**17.6**	2.2	0.1	**18.3**	2.3	0.1
R.V. Park	Burbot	**17.2**	2.1	0.1	**17.1**	2.1	0.1	**17.7**	2.2	0.1
R.V. Park	Kokanee	**16.9**	2.0	0.1	**16.8**	2.0	0.1	**17.4**	2.2	0.1
R.V. Park	N. Pike	**16.9**	2.0	0.1	**16.8**	2.0	0.1	**17.4**	2.2	0.1
R.V. Park	Rainbow Trout	**17.2**	2.1	0.1	**17.1**	2.1	0.1	**17.7**	2.2	0.1
R.V. Park	SM Bass	**17.1**	2.1	0.1	**17.0**	2.1	0.1	**17.6**	2.2	0.1
R.V. Park	Sturgeon	**17.0**	2.1	0.1	**16.9**	2.0	0.1	**17.5**	2.2	0.1
R.V. Park	Sucker	**19.0**	2.5	0.2	**18.9**	2.4	0.1	**19.5**	2.6	0.2
R.V. Park	Walleye	**17.3**	2.1	0.1	**17.2**	2.1	0.1	**17.8**	2.2	0.1
R.V. Park	Whitefish	**17.0**	2.1	0.1	**16.9**	2.0	0.1	**17.5**	2.2	0.1
Seven Bays	Burbot	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Seven Bays	Kokanee	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Seven Bays	N. Pike	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Seven Bays	Rainbow Trout	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Seven Bays	SM Bass	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Seven Bays	Sturgeon	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Seven Bays	Sucker	**15.6**	1.8	0.1	**15.5**	1.8	0.1	**16.1**	1.9	0.1
Seven Bays	Walleye	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Seven Bays	Whitefish	**13.7**	1.5	0.1	**13.7**	1.5	0.1	**14.2**	1.6	0.1
Spring Canyon	Burbot	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Spring Canyon	Kokanee	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Spring Canyon	N. Pike	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Spring Canyon	Rainbow Trout	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Spring Canyon	SM Bass	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Spring Canyon	Sturgeon	**13.7**	1.5	0.1	**13.6**	1.5	0.1	**14.2**	1.6	0.1
Spring Canyon	Sucker	**15.6**	1.8	0.1	**15.5**	1.8	0.1	**16.1**	1.9	0.1
Spring Canyon	Walleye	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Spring Canyon	Whitefish	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Summer Island	Burbot	**18.1**	2.3	0.1	**18.0**	2.3	0.1	**18.7**	2.4	0.1
Summer Island	Kokanee	**17.8**	2.2	0.1	**17.7**	2.2	0.1	**18.4**	2.3	0.1
Summer Island	N. Pike	**17.8**	2.2	0.1	**17.7**	2.2	0.1	**18.4**	2.3	0.1
Summer Island	Rainbow Trout	**18.1**	2.3	0.1	**18.0**	2.3	0.1	**18.7**	2.4	0.1
Summer Island	SM Bass	**18.0**	2.3	0.1	**17.9**	2.3	0.1	**18.6**	2.4	0.1
Summer Island	Sturgeon	**17.9**	2.2	0.1	**17.8**	2.2	0.1	**18.4**	2.4	0.1
Summer Island	Sucker	**19.9**	2.7	0.2	**19.8**	2.7	0.2	**20.5**	2.8	0.2
Summer Island	Walleye	**18.2**	2.3	0.1	**18.1**	2.3	0.1	**18.7**	2.4	0.1
Summer Island	Whitefish	**17.9**	2.3	0.1	**17.8**	2.2	0.1	**18.5**	2.4	0.1
Swawilla Basin	Burbot	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Swawilla Basin	Kokanee	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1

Lead Risk Calculations for Child Recreational Visitors at Public Beaches, with Fish Consumption

DU	Fish	Beach Trips			Boat Trips			Camping		
		P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)
Swawilla Basin	N. Pike	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Swawilla Basin	Rainbow Trout	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Swawilla Basin	SM Bass	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Swawilla Basin	Sturgeon	**13.7**	1.5	0.1	**13.6**	1.5	0.1	**14.2**	1.6	0.1
Swawilla Basin	Sucker	**15.6**	1.8	0.1	**15.5**	1.8	0.1	**16.1**	1.9	0.1
Swawilla Basin	Walleye	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Swawilla Basin	Whitefish	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Swimming Hole	Burbot	**15.9**	1.9	0.1	**15.8**	1.8	0.1	**16.4**	2.0	0.1
Swimming Hole	Kokanee	**15.6**	1.8	0.1	**15.5**	1.8	0.1	**16.1**	1.9	0.1
Swimming Hole	N. Pike	**15.6**	1.8	0.1	**15.5**	1.8	0.1	**16.1**	1.9	0.1
Swimming Hole	Rainbow Trout	**15.9**	1.9	0.1	**15.8**	1.8	0.1	**16.4**	2.0	0.1
Swimming Hole	SM Bass	**15.8**	1.8	0.1	**15.7**	1.8	0.1	**16.3**	1.9	0.1
Swimming Hole	Sturgeon	**15.7**	1.8	0.1	**15.6**	1.8	0.1	**16.2**	1.9	0.1
Swimming Hole	Sucker	**17.6**	2.2	0.1	**17.5**	2.2	0.1	**18.2**	2.3	0.1
Swimming Hole	Walleye	**16.0**	1.9	0.1	**15.9**	1.8	0.1	**16.5**	2.0	0.1
Swimming Hole	Whitefish	**15.7**	1.8	0.1	**15.6**	1.8	0.1	**16.2**	1.9	0.1
Welty Bay	Burbot	**14.8**	1.7	0.1	**14.7**	1.6	0.1	**15.3**	1.7	0.1
Welty Bay	Kokanee	**14.5**	1.6	0.1	**14.4**	1.6	0.1	**15.0**	1.7	0.1
Welty Bay	N. Pike	**14.5**	1.6	0.1	**14.4**	1.6	0.1	**15.0**	1.7	0.1
Welty Bay	Rainbow Trout	**14.8**	1.7	0.1	**14.7**	1.6	0.1	**15.3**	1.7	0.1
Welty Bay	SM Bass	**14.7**	1.6	0.1	**14.6**	1.6	0.1	**15.2**	1.7	0.1
Welty Bay	Sturgeon	**14.6**	1.6	0.1	**14.5**	1.6	0.1	**15.1**	1.7	0.1
Welty Bay	Sucker	**16.5**	2.0	0.1	**16.4**	1.9	0.1	**17.0**	2.1	0.1
Welty Bay	Walleye	**14.8**	1.7	0.1	**14.8**	1.6	0.1	**15.4**	1.8	0.1
Welty Bay	Whitefish	**14.6**	1.6	0.1	**14.5**	1.6	0.1	**15.1**	1.7	0.1
Whitestone Campground	Burbot	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Whitestone Campground	Kokanee	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Whitestone Campground	N. Pike	**13.7**	1.5	0.1	**13.6**	1.4	0.1	**14.2**	1.5	0.1
Whitestone Campground	Rainbow Trout	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Whitestone Campground	SM Bass	**13.9**	1.5	0.1	**13.8**	1.5	0.1	**14.4**	1.6	0.1
Whitestone Campground	Sturgeon	**13.7**	1.5	0.1	**13.7**	1.5	0.1	**14.2**	1.6	0.1
Whitestone Campground	Sucker	**15.6**	1.8	0.1	**15.5**	1.8	0.1	**16.1**	1.9	0.1
Whitestone Campground	Walleye	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Whitestone Campground	Whitefish	**13.8**	1.5	0.1	**13.7**	1.5	0.1	**14.3**	1.6	0.1
Wilmont Creek	Burbot	**14.2**	1.6	0.1	**14.1**	1.5	0.1	**14.7**	1.6	0.1
Wilmont Creek	Kokanee	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Wilmont Creek	N. Pike	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Wilmont Creek	Rainbow Trout	**14.2**	1.6	0.1	**14.1**	1.5	0.1	**14.7**	1.6	0.1
Wilmont Creek	SM Bass	**14.1**	1.5	0.1	**14.1**	1.5	0.1	**14.6**	1.6	0.1
Wilmont Creek	Sturgeon	**14.0**	1.5	0.1	**13.9**	1.5	0.1	**14.5**	1.6	0.1
Wilmont Creek	Sucker	**15.9**	1.9	0.1	**15.8**	1.8	0.1	**16.4**	2.0	0.1
Wilmont Creek	Walleye	**14.3**	1.6	0.1	**14.2**	1.5	0.1	**14.8**	1.6	0.1
Wilmont Creek	Whitefish	**14.1**	1.5	0.1	**14.0**	1.5	0.1	**14.6**	1.6	0.1

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 8/29/2019
Site Name: UCR
Operable Unit: Recreational Visitor, Beach Trips to Public Beaches, With and Without Fish Consumption
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3 µg/dL, 5 µg/dL, or 8 µg/dL

Input File: 08272019 Public Beach Sediment SW While Swim Beach Fish.dat

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
Bossburg Flat-2015-SDU-01														
1	no fish	0	0	32	157.6	92.6	0.9	0.02	0.12	0	1.94	**17.681**	2.198	0.129
1a	burbot	0	0	32	157.6	92.6	0.9	0.02	0.19	0	1.95	**18.024**	2.268	0.134
1b	kokanee	0	0	32	157.6	92.6	0.9	0.02	0.13	0	1.94	**17.73**	2.208	0.13
1c	northern pike	0	0	32	157.6	92.6	0.9	0.02	0.13	0	1.94	**17.73**	2.208	0.13
1d	rainbow trout	0	0	32	157.6	92.6	0.9	0.02	0.19	0	1.95	**18.024**	2.268	0.134
1e	smallmouth bass	0	0	32	157.6	92.6	0.9	0.02	0.17	0	1.95	**17.926**	2.248	0.133
1f	sturgeon	0	0	32	157.6	92.6	0.9	0.02	0.14	0	1.94	**17.779**	2.218	0.13
1g	sucker	0	0	32	157.6	92.6	0.9	0.02	0.55	0	2.01	**19.811**	2.648	0.167
1h	walleye	0	0	32	157.6	92.6	0.9	0.02	0.2	0	1.95	**18.073**	2.278	0.135
1i	whitefish	0	0	32	157.6	92.6	0.9	0.02	0.15	0	1.95	**17.828**	2.228	0.131
Bossburg Flat-2015-SDU-02														
2	no fish	0	0	32	157.6	92.6	0.9	0.02	0.12	0	1.94	**17.678**	2.197	0.129
2a	burbot	0	0	32	157.6	92.6	0.9	0.02	0.19	0	1.95	**18.02**	2.267	0.134
2b	kokanee	0	0	32	157.6	92.6	0.9	0.02	0.13	0	1.94	**17.726**	2.207	0.129
2c	northern pike	0	0	32	157.6	92.6	0.9	0.02	0.13	0	1.94	**17.726**	2.207	0.129
2d	rainbow trout	0	0	32	157.6	92.6	0.9	0.02	0.19	0	1.95	**18.02**	2.267	0.134
2e	smallmouth bass	0	0	32	157.6	92.6	0.9	0.02	0.17	0	1.95	**17.922**	2.247	0.133
2f	sturgeon	0	0	32	157.6	92.6	0.9	0.02	0.14	0	1.94	**17.775**	2.217	0.13
2g	sucker	0	0	32	157.6	92.6	0.9	0.02	0.55	0	2.01	**19.807**	2.647	0.167
2h	walleye	0	0	32	157.6	92.6	0.9	0.02	0.2	0	1.95	**18.069**	2.277	0.135
2i	whitefish	0	0	32	157.6	92.6	0.9	0.02	0.15	0	1.94	**17.824**	2.227	0.131
Bossburg Flat-2015-SDU-03														
3	no fish	0	0	32	122.7	92.6	0.9	0.02	0.12	0	1.83	**14.607**	1.617	0.084
3a	burbot	0	0	32	122.7	92.6	0.9	0.02	0.19	0	1.84	**14.93**	1.674	0.089
3b	kokanee	0	0	32	122.7	92.6	0.9	0.02	0.13	0	1.83	**14.653**	1.625	0.085
3c	northern pike	0	0	32	122.7	92.6	0.9	0.02	0.13	0	1.83	**14.653**	1.625	0.085
3d	rainbow trout	0	0	32	122.7	92.6	0.9	0.02	0.19	0	1.84	**14.93**	1.674	0.089
3e	smallmouth bass	0	0	32	122.7	92.6	0.9	0.02	0.17	0	1.84	**14.837**	1.657	0.087
3f	sturgeon	0	0	32	122.7	92.6	0.9	0.02	0.14	0	1.83	**14.699**	1.633	0.086
3g	sucker	0	0	32	122.7	92.6	0.9	0.02	0.55	0	1.9	**16.624**	1.989	0.112
3h	walleye	0	0	32	122.7	92.6	0.9	0.02	0.2	0	1.84	**14.976**	1.682	0.089
3i	whitefish	0	0	32	122.7	92.6	0.9	0.02	0.15	0	1.83	**14.745**	1.641	0.086

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
Bossburg Flat-2015-SDU-04														
4	no fish	0	0	32	115.8	92.6	0.9	0.02	0.12	0	1.81	**14.017**	1.514	0.077
4a	burbot	0	0	32	115.8	92.6	0.9	0.02	0.19	0	1.82	**14.335**	1.569	0.081
4b	kokanee	0	0	32	115.8	92.6	0.9	0.02	0.13	0	1.81	**14.062**	1.522	0.078
4c	northern pike	0	0	32	115.8	92.6	0.9	0.02	0.13	0	1.81	**14.062**	1.522	0.078
4d	rainbow trout	0	0	32	115.8	92.6	0.9	0.02	0.19	0	1.82	**14.335**	1.569	0.081
4e	smallmouth bass	0	0	32	115.8	92.6	0.9	0.02	0.17	0	1.81	**14.244**	1.553	0.08
4f	sturgeon	0	0	32	115.8	92.6	0.9	0.02	0.14	0	1.81	**14.108**	1.53	0.078
4g	sucker	0	0	32	115.8	92.6	0.9	0.02	0.55	0	1.88	**16.008**	1.872	0.103
4h	walleye	0	0	32	115.8	92.6	0.9	0.02	0.2	0	1.82	**14.381**	1.577	0.082
4i	whitefish	0	0	32	115.8	92.6	0.9	0.02	0.15	0	1.81	**14.153**	1.537	0.079
Bossburg Flat-2015-SDU-08														
5	no fish	0	0	32	155.2	92.6	0.9	0.02	0.12	0	1.93	**17.464**	2.154	0.125
5a	burbot	0	0	32	155.2	92.6	0.9	0.02	0.19	0	1.94	**17.805**	2.223	0.131
5b	kokanee	0	0	32	155.2	92.6	0.9	0.02	0.13	0	1.93	**17.513**	2.164	0.126
5c	northern pike	0	0	32	155.2	92.6	0.9	0.02	0.13	0	1.93	**17.513**	2.164	0.126
5d	rainbow trout	0	0	32	155.2	92.6	0.9	0.02	0.19	0	1.94	**17.805**	2.223	0.131
5e	smallmouth bass	0	0	32	155.2	92.6	0.9	0.02	0.17	0	1.94	**17.707**	2.203	0.129
5f	sturgeon	0	0	32	155.2	92.6	0.9	0.02	0.14	0	1.94	**17.561**	2.174	0.127
5g	sucker	0	0	32	155.2	92.6	0.9	0.02	0.55	0	2.01	**19.587**	2.599	0.162
5h	walleye	0	0	32	155.2	92.6	0.9	0.02	0.2	0	1.95	**17.854**	2.233	0.132
5i	whitefish	0	0	32	155.2	92.6	0.9	0.02	0.15	0	1.94	**17.61**	2.184	0.128
Bossburg Flat-2015-SDU-09														
6	no fish	0	0	32	120.4	92.6	0.9	0.02	0.12	0	1.82	**14.411**	1.582	0.082
6a	burbot	0	0	32	120.4	92.6	0.9	0.02	0.19	0	1.83	**14.732**	1.639	0.086
6b	kokanee	0	0	32	120.4	92.6	0.9	0.02	0.13	0	1.82	**14.457**	1.59	0.083
6c	northern pike	0	0	32	120.4	92.6	0.9	0.02	0.13	0	1.82	**14.457**	1.59	0.083
6d	rainbow trout	0	0	32	120.4	92.6	0.9	0.02	0.19	0	1.83	**14.732**	1.639	0.086
6e	smallmouth bass	0	0	32	120.4	92.6	0.9	0.02	0.17	0	1.83	**14.64**	1.622	0.085
6f	sturgeon	0	0	32	120.4	92.6	0.9	0.02	0.14	0	1.82	**14.503**	1.598	0.083
6g	sucker	0	0	32	120.4	92.6	0.9	0.02	0.55	0	1.9	**16.42**	1.95	0.109
6h	walleye	0	0	32	120.4	92.6	0.9	0.02	0.2	0	1.83	**14.778**	1.647	0.087
6i	whitefish	0	0	32	120.4	92.6	0.9	0.02	0.15	0	1.83	**14.548**	1.606	0.084
Bossburg Flat-2015-SDU-10														
7	no fish	0	0	32	122	92.6	0.9	0.02	0.12	0	1.83	**14.543**	1.605	0.084
7a	burbot	0	0	32	122	92.6	0.9	0.02	0.19	0	1.84	**14.865**	1.662	0.088
7b	kokanee	0	0	32	122	92.6	0.9	0.02	0.13	0	1.83	**14.589**	1.613	0.084
7c	northern pike	0	0	32	122	92.6	0.9	0.02	0.13	0	1.83	**14.589**	1.613	0.084
7d	rainbow trout	0	0	32	122	92.6	0.9	0.02	0.19	0	1.84	**14.865**	1.662	0.088
7e	smallmouth bass	0	0	32	122	92.6	0.9	0.02	0.17	0	1.83	**14.773**	1.646	0.086
7f	sturgeon	0	0	32	122	92.6	0.9	0.02	0.14	0	1.83	**14.635**	1.621	0.085
7g	sucker	0	0	32	122	92.6	0.9	0.02	0.55	0	1.9	**16.558**	1.976	0.111
7h	walleye	0	0	32	122	92.6	0.9	0.02	0.2	0	1.84	**14.911**	1.671	0.088
7i	whitefish	0	0	32	122	92.6	0.9	0.02	0.15	0	1.83	**14.681**	1.63	0.085
Evans Campground-2015-SDU-05														
8	no fish	0	0	32	143.4	92.6	0.9	0.02	0.12	0	1.89	**16.411**	1.948	0.109
8a	burbot	0	0	32	143.4	92.6	0.9	0.02	0.19	0	1.91	**16.746**	2.013	0.114
8b	kokanee	0	0	32	143.4	92.6	0.9	0.02	0.13	0	1.9	**16.458**	1.957	0.11
8c	northern pike	0	0	32	143.4	92.6	0.9	0.02	0.13	0	1.9	**16.458**	1.957	0.11
8d	rainbow trout	0	0	32	143.4	92.6	0.9	0.02	0.19	0	1.91	**16.746**	2.013	0.114

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
8e	smallmouth bass	0	0	32	143.4	92.6	0.9	0.02	0.17	0	1.9	**16.65**	1.994	0.113
8f	sturgeon	0	0	32	143.4	92.6	0.9	0.02	0.14	0	1.9	**16.506**	1.967	0.11
8g	sucker	0	0	32	143.4	92.6	0.9	0.02	0.55	0	1.97	**18.499**	2.366	0.143
8h	walleye	0	0	32	143.4	92.6	0.9	0.02	0.2	0	1.91	**16.794**	2.022	0.115
8i	whitefish	0	0	32	143.4	92.6	0.9	0.02	0.15	0	1.9	**16.554**	1.976	0.111
Evans Campground-2015-SDU-06														
9	no fish	0	0	32	112.8	92.6	0.9	0.02	0.12	0	1.8	**13.771**	1.472	0.074
9a	burbot	0	0	32	112.8	92.6	0.9	0.02	0.19	0	1.81	**14.087**	1.526	0.078
9b	kokanee	0	0	32	112.8	92.6	0.9	0.02	0.13	0	1.8	**13.816**	1.48	0.075
9c	northern pike	0	0	32	112.8	92.6	0.9	0.02	0.13	0	1.8	**13.816**	1.48	0.075
9d	rainbow trout	0	0	32	112.8	92.6	0.9	0.02	0.19	0	1.81	**14.087**	1.526	0.078
9e	smallmouth bass	0	0	32	112.8	92.6	0.9	0.02	0.17	0	1.81	**13.997**	1.511	0.077
9f	sturgeon	0	0	32	112.8	92.6	0.9	0.02	0.14	0	1.8	**13.861**	1.487	0.075
9g	sucker	0	0	32	112.8	92.6	0.9	0.02	0.55	0	1.87	**15.751**	1.824	0.1
9g	walleye	0	0	32	112.8	92.6	0.9	0.02	0.2	0	1.81	**14.133**	1.534	0.079
9i	whitefish	0	0	32	112.8	92.6	0.9	0.02	0.15	0	1.8	**13.906**	1.495	0.076
Evans Campground-2015-SDU-07														
10	no fish	0	0	32	145.1	92.6	0.9	0.02	0.12	0	1.9	**16.561**	1.977	0.111
10a	burbot	0	0	32	145.1	92.6	0.9	0.02	0.19	0	1.91	**16.897**	2.042	0.116
10b	kokanee	0	0	32	145.1	92.6	0.9	0.02	0.13	0	1.9	**16.609**	1.986	0.112
10c	northern pike	0	0	32	145.1	92.6	0.9	0.02	0.13	0	1.9	**16.609**	1.986	0.112
10d	rainbow trout	0	0	32	145.1	92.6	0.9	0.02	0.19	0	1.91	**16.897**	2.042	0.116
10e	smallmouth bass	0	0	32	145.1	92.6	0.9	0.02	0.17	0	1.91	**16.801**	2.023	0.115
10f	sturgeon	0	0	32	145.1	92.6	0.9	0.02	0.14	0	1.9	**16.657**	1.996	0.113
10g	sucker	0	0	32	145.1	92.6	0.9	0.02	0.55	0	1.97	**18.654**	2.399	0.145
10h	walleye	0	0	32	145.1	92.6	0.9	0.02	0.2	0	1.91	**16.945**	2.052	0.117
10i	whitefish	0	0	32	145.1	92.6	0.9	0.02	0.15	0	1.91	**16.705**	2.005	0.113
AA Campground														
11	no fish	0	0	32	112.2	92.6	0.9	0.02	0.12	0	1.79	**13.714**	1.462	0.074
11a	burbot	0	0	32	112.2	92.6	0.9	0.02	0.19	0	1.81	**14.029**	1.516	0.077
11b	kokanee	0	0	32	112.2	92.6	0.9	0.02	0.13	0	1.8	**13.759**	1.47	0.074
11c	northern pike	0	0	32	112.2	92.6	0.9	0.02	0.13	0	1.8	**13.759**	1.47	0.074
11d	rainbow trout	0	0	32	112.2	92.6	0.9	0.02	0.19	0	1.81	**14.029**	1.516	0.077
11e	smallmouth bass	0	0	32	112.2	92.6	0.9	0.02	0.17	0	1.8	**13.939**	1.501	0.076
11f	sturgeon	0	0	32	112.2	92.6	0.9	0.02	0.14	0	1.8	**13.804**	1.478	0.075
11g	sucker	0	0	32	112.2	92.6	0.9	0.02	0.55	0	1.87	**15.69**	1.812	0.099
11h	walleye	0	0	32	112.2	92.6	0.9	0.02	0.2	0	1.81	**14.074**	1.524	0.078
11i	whitefish	0	0	32	112.2	92.6	0.9	0.02	0.15	0	1.8	**13.849**	1.485	0.075
Barnaby Island Campgr														
12	no fish	0	0	32	114.4	92.6	0.9	0.02	0.12	0	1.8	**13.9**	1.494	0.076
12a	burbot	0	0	32	114.4	92.6	0.9	0.02	0.19	0	1.81	**14.217**	1.548	0.08
12b	kokanee	0	0	32	114.4	92.6	0.9	0.02	0.13	0	1.8	**13.945**	1.502	0.076
12c	northern pike	0	0	32	114.4	92.6	0.9	0.02	0.13	0	1.8	**13.945**	1.502	0.076
12d	rainbow trout	0	0	32	114.4	92.6	0.9	0.02	0.19	0	1.81	**14.217**	1.548	0.08
12e	smallmouth bass	0	0	32	114.4	92.6	0.9	0.02	0.17	0	1.81	**14.126**	1.533	0.078
12f	sturgeon	0	0	32	114.4	92.6	0.9	0.02	0.14	0	1.81	**13.991**	1.509	0.077
12g	sucker	0	0	32	114.4	92.6	0.9	0.02	0.55	0	1.88	**15.886**	1.849	0.101
12h	walleye	0	0	32	114.4	92.6	0.9	0.02	0.2	0	1.82	**14.263**	1.556	0.08
12i	whitefish	0	0	32	114.4	92.6	0.9	0.02	0.15	0	1.81	**14.036**	1.517	0.077
Black Sand														

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
13	no fish	0	0	32	149.3	92.6	0.9	0.02	0.12	0	1.91	**16.93**	2.049	0.117
13a	burbot	0	0	32	149.3	92.6	0.9	0.02	0.19	0	1.93	**17.268**	2.115	0.122
13b	kokanee	0	0	32	149.3	92.6	0.9	0.02	0.13	0	1.92	**16.978**	2.058	0.118
13c	northern pike	0	0	32	149.3	92.6	0.9	0.02	0.13	0	1.92	**16.978**	2.058	0.118
13d	rainbow trout	0	0	32	149.3	92.6	0.9	0.02	0.19	0	1.93	**17.268**	2.115	0.122
13e	smallmouth bass	0	0	32	149.3	92.6	0.9	0.02	0.17	0	1.92	**17.171**	2.096	0.121
13f	sturgeon	0	0	32	149.3	92.6	0.9	0.02	0.14	0	1.92	**17.026**	2.068	0.118
13g	sucker	0	0	32	149.3	92.6	0.9	0.02	0.55	0	1.99	**19.035**	2.48	0.152
13h	walleye	0	0	32	149.3	92.6	0.9	0.02	0.2	0	1.93	**17.316**	2.125	0.123
13i	whitefish	0	0	32	149.3	92.6	0.9	0.02	0.15	0	1.92	**17.074**	2.077	0.119
Bossburg Flat-2011														
14	no fish	0	0	32	332.2	92.6	0.9	0.02	0.12	0	2.49	**34.569**	**6.893**	0.65
14a	burbot	0	0	32	332.2	92.6	0.9	0.02	0.19	0	2.5	**34.938**	**7.026**	0.668
14b	kokanee	0	0	32	332.2	92.6	0.9	0.02	0.13	0	2.49	**34.622**	**6.912**	0.653
14c	northern pike	0	0	32	332.2	92.6	0.9	0.02	0.13	0	2.49	**34.622**	**6.912**	0.653
14d	rainbow trout	0	0	32	332.2	92.6	0.9	0.02	0.19	0	2.5	**34.938**	**7.026**	0.668
14e	smallmouth bass	0	0	32	332.2	92.6	0.9	0.02	0.17	0	2.5	**34.832**	**6.988**	0.663
14f	sturgeon	0	0	32	332.2	92.6	0.9	0.02	0.14	0	2.49	**34.675**	**6.931**	0.655
14g	sucker	0	0	32	332.2	92.6	0.9	0.02	0.55	0	2.56	**36.823**	**7.731**	0.769
14h	walleye	0	0	32	332.2	92.6	0.9	0.02	0.2	0	2.5	**34.99**	**7.045**	0.671
14i	whitefish	0	0	32	332.2	92.6	0.9	0.02	0.15	0	2.49	**34.727**	**6.95**	0.658
Bradbury														
15	no fish	0	0	32	121.3	92.6	0.9	0.02	0.12	0	1.82	**14.487**	1.595	0.083
15a	burbot	0	0	32	121.3	92.6	0.9	0.02	0.19	0	1.84	**14.808**	1.652	0.087
15b	kokanee	0	0	32	121.3	92.6	0.9	0.02	0.13	0	1.83	**14.533**	1.603	0.083
15c	northern pike	0	0	32	121.3	92.6	0.9	0.02	0.13	0	1.83	**14.533**	1.603	0.083
15d	rainbow trout	0	0	32	121.3	92.6	0.9	0.02	0.19	0	1.84	**14.808**	1.652	0.087
15e	smallmouth bass	0	0	32	121.3	92.6	0.9	0.02	0.17	0	1.83	**14.716**	1.636	0.086
15f	sturgeon	0	0	32	121.3	92.6	0.9	0.02	0.14	0	1.83	**14.579**	1.612	0.084
15g	sucker	0	0	32	121.3	92.6	0.9	0.02	0.55	0	1.9	**16.499**	1.965	0.11
15h	walleye	0	0	32	121.3	92.6	0.9	0.02	0.2	0	1.84	**14.855**	1.66	0.088
15i	whitefish	0	0	32	121.3	92.6	0.9	0.02	0.15	0	1.83	**14.624**	1.62	0.085
China Bend														
16	no fish	0	0	32	153.4	92.6	0.9	0.02	0.12	0	1.93	**17.3**	2.122	0.123
16a	burbot	0	0	32	153.4	92.6	0.9	0.02	0.19	0	1.94	**17.64**	2.19	0.128
16b	kokanee	0	0	32	153.4	92.6	0.9	0.02	0.13	0	1.93	**17.348**	2.131	0.123
16c	northern pike	0	0	32	153.4	92.6	0.9	0.02	0.13	0	1.93	**17.348**	2.131	0.123
16d	rainbow trout	0	0	32	153.4	92.6	0.9	0.02	0.19	0	1.94	**17.64**	2.19	0.128
16e	smallmouth bass	0	0	32	153.4	92.6	0.9	0.02	0.17	0	1.94	**17.543**	2.17	0.126
16f	sturgeon	0	0	32	153.4	92.6	0.9	0.02	0.14	0	1.93	**17.397**	2.141	0.124
16g	sucker	0	0	32	153.4	92.6	0.9	0.02	0.55	0	2	**19.417**	2.562	0.159
16h	walleye	0	0	32	153.4	92.6	0.9	0.02	0.2	0	1.94	**17.689**	2.2	0.129
16i	whitefish	0	0	32	153.4	92.6	0.9	0.02	0.15	0	1.93	**17.445**	2.151	0.125
Colville Flats														
17	no fish	0	0	32	138.3	92.6	0.9	0.02	0.12	0	1.88	**15.953**	1.861	0.102
17a	burbot	0	0	32	138.3	92.6	0.9	0.02	0.19	0	1.89	**16.285**	1.924	0.107
17b	kokanee	0	0	32	138.3	92.6	0.9	0.02	0.13	0	1.88	**16.001**	1.87	0.103
17c	northern pike	0	0	32	138.3	92.6	0.9	0.02	0.13	0	1.88	**16.001**	1.87	0.103
17d	rainbow trout	0	0	32	138.3	92.6	0.9	0.02	0.19	0	1.89	**16.285**	1.924	0.107
17e	smallmouth bass	0	0	32	138.3	92.6	0.9	0.02	0.17	0	1.89	**16.19**	1.906	0.106

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
17f	sturgeon	0	0	32	138.3	92.6	0.9	0.02	0.14	0	1.88	**16.048**	1.879	0.104
17g	sucker	0	0	32	138.3	92.6	0.9	0.02	0.55	0	1.95	**18.025**	2.268	0.134
17h	walleye	0	0	32	138.3	92.6	0.9	0.02	0.2	0	1.89	**16.333**	1.933	0.108
17i	whitefish	0	0	32	138.3	92.6	0.9	0.02	0.15	0	1.88	**16.095**	1.888	0.104
Colville River														
18	no fish	0	0	32	112.3	92.6	0.9	0.02	0.12	0	1.8	**13.726**	1.465	0.074
18a	burbot	0	0	32	112.3	92.6	0.9	0.02	0.19	0	1.81	**14.042**	1.518	0.077
18b	kokanee	0	0	32	112.3	92.6	0.9	0.02	0.13	0	1.8	**13.771**	1.472	0.074
18c	northern pike	0	0	32	112.3	92.6	0.9	0.02	0.13	0	1.8	**13.771**	1.472	0.074
18d	rainbow trout	0	0	32	112.3	92.6	0.9	0.02	0.19	0	1.81	**14.042**	1.518	0.077
18e	smallmouth bass	0	0	32	112.3	92.6	0.9	0.02	0.17	0	1.8	**13.951**	1.503	0.076
18f	sturgeon	0	0	32	112.3	92.6	0.9	0.02	0.14	0	1.8	**13.816**	1.48	0.075
18g	sucker	0	0	32	112.3	92.6	0.9	0.02	0.55	0	1.87	**15.704**	1.815	0.099
18h	walleye	0	0	32	112.3	92.6	0.9	0.02	0.2	0	1.81	**14.087**	1.526	0.078
18i	whitefish	0	0	32	112.3	92.6	0.9	0.02	0.15	0	1.8	**13.861**	1.487	0.075
Crescent Bay														
19	no fish	0	0	32	110.8	92.6	0.9	0.02	0.12	0	1.79	**13.603**	1.444	0.072
19a	burbot	0	0	32	110.8	92.6	0.9	0.02	0.19	0	1.8	**13.917**	1.497	0.076
19b	kokanee	0	0	32	110.8	92.6	0.9	0.02	0.13	0	1.79	**13.648**	1.451	0.073
19c	northern pike	0	0	32	110.8	92.6	0.9	0.02	0.13	0	1.79	**13.648**	1.451	0.073
19d	rainbow trout	0	0	32	110.8	92.6	0.9	0.02	0.19	0	1.8	**13.917**	1.497	0.076
19e	smallmouth bass	0	0	32	110.8	92.6	0.9	0.02	0.17	0	1.8	**13.827**	1.482	0.075
19f	sturgeon	0	0	32	110.8	92.6	0.9	0.02	0.14	0	1.79	**13.692**	1.459	0.073
19g	sucker	0	0	32	110.8	92.6	0.9	0.02	0.55	0	1.86	**15.574**	1.791	0.097
19h	walleye	0	0	32	110.8	92.6	0.9	0.02	0.2	0	1.8	**13.962**	1.505	0.077
19i	whitefish	0	0	32	110.8	92.6	0.9	0.02	0.15	0	1.8	**13.737**	1.466	0.074
Dallas Orchard														
20	no fish	0	0	32	163.7	92.6	0.9	0.02	0.12	0	1.96	**18.239**	2.312	0.138
20a	burbot	0	0	32	163.7	92.6	0.9	0.02	0.19	0	1.97	**18.584**	2.384	0.144
20b	kokanee	0	0	32	163.7	92.6	0.9	0.02	0.13	0	1.96	**18.288**	2.322	0.139
20c	northern pike	0	0	32	163.7	92.6	0.9	0.02	0.13	0	1.96	**18.288**	2.322	0.139
20d	rainbow trout	0	0	32	163.7	92.6	0.9	0.02	0.19	0	1.97	**18.584**	2.384	0.144
20e	smallmouth bass	0	0	32	163.7	92.6	0.9	0.02	0.17	0	1.97	**18.485**	2.363	0.142
20f	sturgeon	0	0	32	163.7	92.6	0.9	0.02	0.14	0	1.96	**18.337**	2.333	0.14
20g	sucker	0	0	32	163.7	92.6	0.9	0.02	0.55	0	2.03	**20.384**	2.776	0.178
20h	walleye	0	0	32	163.7	92.6	0.9	0.02	0.2	0	1.97	**18.633**	2.394	0.145
20i	whitefish	0	0	32	163.7	92.6	0.9	0.02	0.15	0	1.96	**18.387**	2.343	0.141
Enterprise														
21	no fish	0	0	32	112.1	92.6	0.9	0.02	0.12	0	1.79	**13.705**	1.461	0.074
21a	burbot	0	0	32	112.1	92.6	0.9	0.02	0.19	0	1.81	**14.021**	1.515	0.077
21b	kokanee	0	0	32	112.1	92.6	0.9	0.02	0.13	0	1.8	**13.75**	1.469	0.074
21c	northern pike	0	0	32	112.1	92.6	0.9	0.02	0.13	0	1.8	**13.75**	1.469	0.074
21d	rainbow trout	0	0	32	112.1	92.6	0.9	0.02	0.19	0	1.81	**14.021**	1.515	0.077
21e	smallmouth bass	0	0	32	112.1	92.6	0.9	0.02	0.17	0	1.8	**13.93**	1.499	0.076
21f	sturgeon	0	0	32	112.1	92.6	0.9	0.02	0.14	0	1.8	**13.795**	1.476	0.075
21g	sucker	0	0	32	112.1	92.6	0.9	0.02	0.55	0	1.87	**15.682**	1.811	0.099
21h	walleye	0	0	32	112.1	92.6	0.9	0.02	0.2	0	1.81	**14.066**	1.522	0.078
21i	whitefish	0	0	32	112.1	92.6	0.9	0.02	0.15	0	1.8	**13.84**	1.484	0.075
Evans Campground-2011														
22	no fish	0	0	32	149.3	92.6	0.9	0.02	0.12	0	1.91	**16.931**	2.049	0.117

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
22a	burbot	0	0	32	149.3	92.6	0.9	0.02	0.19	0	1.93	**17.269**	2.116	0.122
22b	kokanee	0	0	32	149.3	92.6	0.9	0.02	0.13	0	1.92	**16.98**	2.058	0.118
22c	northern pike	0	0	32	149.3	92.6	0.9	0.02	0.13	0	1.92	**16.98**	2.058	0.118
22d	rainbow trout	0	0	32	149.3	92.6	0.9	0.02	0.19	0	1.93	**17.269**	2.116	0.122
22e	smallmouth bass	0	0	32	149.3	92.6	0.9	0.02	0.17	0	1.92	**17.173**	2.096	0.121
22f	sturgeon	0	0	32	149.3	92.6	0.9	0.02	0.14	0	1.92	**17.028**	2.068	0.118
22g	sucker	0	0	32	149.3	92.6	0.9	0.02	0.55	0	1.99	**19.037**	2.48	0.152
22h	walleye	0	0	32	149.3	92.6	0.9	0.02	0.2	0	1.93	**17.318**	2.125	0.123
22i	whitefish	0	0	32	149.3	92.6	0.9	0.02	0.15	0	1.92	**17.076**	2.077	0.119
Flat Creek														
23	no fish	0	0	32	141.4	92.6	0.9	0.02	0.12	0	1.89	**16.227**	1.913	0.106
23a	burbot	0	0	32	141.4	92.6	0.9	0.02	0.19	0	1.9	**16.56**	1.977	0.111
23b	kokanee	0	0	32	141.4	92.6	0.9	0.02	0.13	0	1.89	**16.274**	1.922	0.107
23c	northern pike	0	0	32	141.4	92.6	0.9	0.02	0.13	0	1.89	**16.274**	1.922	0.107
23d	rainbow trout	0	0	32	141.4	92.6	0.9	0.02	0.19	0	1.9	**16.56**	1.977	0.111
23e	smallmouth bass	0	0	32	141.4	92.6	0.9	0.02	0.17	0	1.9	**16.465**	1.959	0.11
23f	sturgeon	0	0	32	141.4	92.6	0.9	0.02	0.14	0	1.89	**16.322**	1.931	0.108
23g	sucker	0	0	32	141.4	92.6	0.9	0.02	0.55	0	1.96	**18.308**	2.327	0.139
23h	walleye	0	0	32	141.4	92.6	0.9	0.02	0.2	0	1.9	**16.608**	1.986	0.112
23i	whitefish	0	0	32	141.4	92.6	0.9	0.02	0.15	0	1.89	**16.369**	1.94	0.108
Hawk Creek														
24	no fish	0	0	32	111.3	92.6	0.9	0.02	0.12	0	1.79	**13.64**	1.45	0.073
24a	burbot	0	0	32	111.3	92.6	0.9	0.02	0.19	0	1.8	**13.955**	1.503	0.076
24b	kokanee	0	0	32	111.3	92.6	0.9	0.02	0.13	0	1.79	**13.685**	1.458	0.073
24c	northern pike	0	0	32	111.3	92.6	0.9	0.02	0.13	0	1.79	**13.685**	1.458	0.073
24d	rainbow trout	0	0	32	111.3	92.6	0.9	0.02	0.19	0	1.8	**13.955**	1.503	0.076
24e	smallmouth bass	0	0	32	111.3	92.6	0.9	0.02	0.17	0	1.8	**13.865**	1.488	0.075
24f	sturgeon	0	0	32	111.3	92.6	0.9	0.02	0.14	0	1.8	**13.73**	1.465	0.074
24g	sucker	0	0	32	111.3	92.6	0.9	0.02	0.55	0	1.87	**15.614**	1.798	0.098
24h	walleye	0	0	32	111.3	92.6	0.9	0.02	0.2	0	1.81	**14**	1.511	0.077
24i	whitefish	0	0	32	111.3	92.6	0.9	0.02	0.15	0	1.8	**13.775**	1.473	0.074
Hunters														
25	no fish	0	0	32	112.4	92.6	0.9	0.02	0.12	0	1.8	**13.734**	1.466	0.074
25a	burbot	0	0	32	112.4	92.6	0.9	0.02	0.19	0	1.81	**14.049**	1.52	0.078
25b	kokanee	0	0	32	112.4	92.6	0.9	0.02	0.13	0	1.8	**13.779**	1.473	0.074
25c	northern pike	0	0	32	112.4	92.6	0.9	0.02	0.13	0	1.8	**13.779**	1.473	0.074
25d	rainbow trout	0	0	32	112.4	92.6	0.9	0.02	0.19	0	1.81	**14.049**	1.52	0.078
25e	smallmouth bass	0	0	32	112.4	92.6	0.9	0.02	0.17	0	1.8	**13.959**	1.504	0.076
25f	sturgeon	0	0	32	112.4	92.6	0.9	0.02	0.14	0	1.8	**13.824**	1.481	0.075
25g	sucker	0	0	32	112.4	92.6	0.9	0.02	0.55	0	1.87	**15.711**	1.816	0.099
25h	walleye	0	0	32	112.4	92.6	0.9	0.02	0.2	0	1.81	**14.095**	1.527	0.078
25i	whitefish	0	0	32	112.4	92.6	0.9	0.02	0.15	0	1.8	**13.869**	1.489	0.075
Jones Bay														
26	no fish	0	0	32	111	92.6	0.9	0.02	0.12	0	1.79	**13.621**	1.447	0.073
26a	burbot	0	0	32	111	92.6	0.9	0.02	0.19	0	1.8	**13.936**	1.5	0.076
26b	kokanee	0	0	32	111	92.6	0.9	0.02	0.13	0	1.79	**13.666**	1.454	0.073
26c	northern pike	0	0	32	111	92.6	0.9	0.02	0.13	0	1.79	**13.666**	1.454	0.073
26d	rainbow trout	0	0	32	111	92.6	0.9	0.02	0.19	0	1.8	**13.936**	1.5	0.076
26e	smallmouth bass	0	0	32	111	92.6	0.9	0.02	0.17	0	1.8	**13.846**	1.485	0.075
26f	sturgeon	0	0	32	111	92.6	0.9	0.02	0.14	0	1.79	**13.711**	1.462	0.074

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26g	sucker	0	0	32	111	92.6	0.9	0.02	0.55	0	1.87	**15.593**	1.795	0.097
26h	walleye	0	0	32	111	92.6	0.9	0.02	0.2	0	1.8	**13.981**	1.508	0.077
26i	whitefish	0	0	32	111	92.6	0.9	0.02	0.15	0	1.8	**13.756**	1.469	0.074
Kamloops Island														
27	no fish	0	0	32	113.2	92.6	0.9	0.02	0.12	0	1.8	**13.802**	1.477	0.075
27a	burbot	0	0	32	113.2	92.6	0.9	0.02	0.19	0	1.81	**14.118**	1.531	0.078
27b	kokanee	0	0	32	113.2	92.6	0.9	0.02	0.13	0	1.8	**13.847**	1.485	0.075
27c	northern pike	0	0	32	113.2	92.6	0.9	0.02	0.13	0	1.8	**13.847**	1.485	0.075
27d	rainbow trout	0	0	32	113.2	92.6	0.9	0.02	0.19	0	1.81	**14.118**	1.531	0.078
27e	smallmouth bass	0	0	32	113.2	92.6	0.9	0.02	0.17	0	1.81	**14.028**	1.516	0.077
27f	sturgeon	0	0	32	113.2	92.6	0.9	0.02	0.14	0	1.8	**13.892**	1.493	0.076
27g	sucker	0	0	32	113.2	92.6	0.9	0.02	0.55	0	1.87	**15.783**	1.83	0.1
27h	walleye	0	0	32	113.2	92.6	0.9	0.02	0.2	0	1.81	**14.164**	1.539	0.079
27i	whitefish	0	0	32	113.2	92.6	0.9	0.02	0.15	0	1.8	**13.937**	1.5	0.076
Kettle Falls														
28	no fish	0	0	32	111.9	92.6	0.9	0.02	0.12	0	1.79	**13.692**	1.459	0.073
28a	burbot	0	0	32	111.9	92.6	0.9	0.02	0.19	0	1.81	**14.007**	1.512	0.077
28b	kokanee	0	0	32	111.9	92.6	0.9	0.02	0.13	0	1.8	**13.737**	1.466	0.074
28c	northern pike	0	0	32	111.9	92.6	0.9	0.02	0.13	0	1.8	**13.737**	1.466	0.074
28d	rainbow trout	0	0	32	111.9	92.6	0.9	0.02	0.19	0	1.81	**14.007**	1.512	0.077
28e	smallmouth bass	0	0	32	111.9	92.6	0.9	0.02	0.17	0	1.8	**13.917**	1.497	0.076
28f	sturgeon	0	0	32	111.9	92.6	0.9	0.02	0.14	0	1.8	**13.782**	1.474	0.074
28g	sucker	0	0	32	111.9	92.6	0.9	0.02	0.55	0	1.87	**15.668**	1.808	0.098
2h8	walleye	0	0	32	111.9	92.6	0.9	0.02	0.2	0	1.81	**14.052**	1.52	0.078
i28	whitefish	0	0	32	111.9	92.6	0.9	0.02	0.15	0	1.8	**13.827**	1.482	0.075
Lyons Island														
29	no fish	0	0	32	124.4	92.6	0.9	0.02	0.12	0	1.83	**14.747**	1.641	0.086
29a	burbot	0	0	32	124.4	92.6	0.9	0.02	0.19	0	1.85	**15.071**	1.699	0.09
29b	kokanee	0	0	32	124.4	92.6	0.9	0.02	0.13	0	1.84	**14.793**	1.65	0.087
29c	northern pike	0	0	32	124.4	92.6	0.9	0.02	0.13	0	1.84	**14.793**	1.65	0.087
29d	rainbow trout	0	0	32	124.4	92.6	0.9	0.02	0.19	0	1.85	**15.071**	1.699	0.09
29e	smallmouth bass	0	0	32	124.4	92.6	0.9	0.02	0.17	0	1.84	**14.978**	1.683	0.089
29f	sturgeon	0	0	32	124.4	92.6	0.9	0.02	0.14	0	1.84	**14.84**	1.658	0.087
29g	sucker	0	0	32	124.4	92.6	0.9	0.02	0.55	0	1.91	**16.771**	2.018	0.114
29h	walleye	0	0	32	124.4	92.6	0.9	0.02	0.2	0	1.85	**15.117**	1.708	0.091
29i	whitefish	0	0	32	124.4	92.6	0.9	0.02	0.15	0	1.84	**14.886**	1.666	0.088
McGuires														
30	no fish	0	0	32	111.3	92.6	0.9	0.02	0.12	0	1.79	**13.646**	1.451	0.073
30a	burbot	0	0	32	111.3	92.6	0.9	0.02	0.19	0	1.8	**13.961**	1.504	0.077
30b	kokanee	0	0	32	111.3	92.6	0.9	0.02	0.13	0	1.79	**13.691**	1.459	0.073
30c	northern pike	0	0	32	111.3	92.6	0.9	0.02	0.13	0	1.79	**13.691**	1.459	0.073
30d	rainbow trout	0	0	32	111.3	92.6	0.9	0.02	0.19	0	1.8	**13.961**	1.504	0.077
30e	smallmouth bass	0	0	32	111.3	92.6	0.9	0.02	0.17	0	1.8	**13.871**	1.489	0.075
30f	sturgeon	0	0	32	111.3	92.6	0.9	0.02	0.14	0	1.8	**13.736**	1.466	0.074
30g	sucker	0	0	32	111.3	92.6	0.9	0.02	0.55	0	1.87	**15.62**	1.799	0.098
30h	walleye	0	0	32	111.3	92.6	0.9	0.02	0.2	0	1.81	**14.006**	1.512	0.077
30i	whitefish	0	0	32	111.3	92.6	0.9	0.02	0.15	0	1.8	**13.781**	1.474	0.074
Mitchell Point														
31	no fish	0	0	32	111.6	92.6	0.9	0.02	0.12	0	1.79	**13.669**	1.455	0.073
31a	burbot	0	0	32	111.6	92.6	0.9	0.02	0.19	0	1.8	**13.985**	1.508	0.077

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
31b	kokanee	0	0	32	111.6	92.6	0.9	0.02	0.13	0	1.79	**13.714**	1.462	0.074
31c	northern pike	0	0	32	111.6	92.6	0.9	0.02	0.13	0	1.79	**13.714**	1.462	0.074
31d	rainbow trout	0	0	32	111.6	92.6	0.9	0.02	0.19	0	1.8	**13.985**	1.508	0.077
31e	smallmouth bass	0	0	32	111.6	92.6	0.9	0.02	0.17	0	1.8	**13.894**	1.493	0.076
31f	sturgeon	0	0	32	111.6	92.6	0.9	0.02	0.14	0	1.8	**13.759**	1.47	0.074
31g	sucker	0	0	32	111.6	92.6	0.9	0.02	0.55	0	1.87	**15.644**	1.804	0.098
31h	walleye	0	0	32	111.6	92.6	0.9	0.02	0.2	0	1.81	**14.03**	1.516	0.077
31i	whitefish	0	0	32	111.6	92.6	0.9	0.02	0.15	0	1.8	**13.804**	1.478	0.075
Naborlee														
32	no fish	0	0	32	114.4	92.6	0.9	0.02	0.12	0	1.8	**13.903**	1.494	0.076
32a	burbot	0	0	32	114.4	92.6	0.9	0.02	0.19	0	1.81	**14.22**	1.549	0.08
32b	kokanee	0	0	32	114.4	92.6	0.9	0.02	0.13	0	1.8	**13.948**	1.502	0.076
32c	northern pike	0	0	32	114.4	92.6	0.9	0.02	0.13	0	1.8	**13.948**	1.502	0.076
32d	rainbow trout	0	0	32	114.4	92.6	0.9	0.02	0.19	0	1.81	**14.22**	1.549	0.08
32e	smallmouth bass	0	0	32	114.4	92.6	0.9	0.02	0.17	0	1.81	**14.129**	1.533	0.079
32f	sturgeon	0	0	32	114.4	92.6	0.9	0.02	0.14	0	1.81	**13.993**	1.51	0.077
32g	sucker	0	0	32	114.4	92.6	0.9	0.02	0.55	0	1.88	**15.888**	1.849	0.101
32h	walleye	0	0	32	114.4	92.6	0.9	0.02	0.2	0	1.82	**14.265**	1.557	0.08
32i	whitefish	0	0	32	114.4	92.6	0.9	0.02	0.15	0	1.81	**14.038**	1.518	0.077
Nez Perce														
33	no fish	0	0	32	111.6	92.6	0.9	0.02	0.12	0	1.79	**13.664**	1.454	0.073
33a	burbot	0	0	32	111.6	92.6	0.9	0.02	0.19	0	1.8	**13.979**	1.507	0.077
33b	kokanee	0	0	32	111.6	92.6	0.9	0.02	0.13	0	1.79	**13.708**	1.462	0.074
33c	northern pike	0	0	32	111.6	92.6	0.9	0.02	0.13	0	1.79	**13.708**	1.462	0.074
33d	rainbow trout	0	0	32	111.6	92.6	0.9	0.02	0.19	0	1.8	**13.979**	1.507	0.077
33e	smallmouth bass	0	0	32	111.6	92.6	0.9	0.02	0.17	0	1.8	**13.888**	1.492	0.076
33f	sturgeon	0	0	32	111.6	92.6	0.9	0.02	0.14	0	1.8	**13.753**	1.469	0.074
33g	sucker	0	0	32	111.6	92.6	0.9	0.02	0.55	0	1.87	**15.638**	1.803	0.098
33h	walleye	0	0	32	111.6	92.6	0.9	0.02	0.2	0	1.81	**14.024**	1.515	0.077
33i	whitefish	0	0	32	111.6	92.6	0.9	0.02	0.15	0	1.8	**13.798**	1.477	0.075
Northport Beach														
34	no fish	0	0	32	156.4	92.6	0.9	0.02	0.12	0	1.94	**17.569**	2.176	0.127
34a	burbot	0	0	32	156.4	92.6	0.9	0.02	0.19	0	1.95	**17.911**	2.245	0.133
34b	kokanee	0	0	32	156.4	92.6	0.9	0.02	0.13	0	1.94	**17.618**	2.185	0.128
34c	northern pike	0	0	32	156.4	92.6	0.9	0.02	0.13	0	1.94	**17.618**	2.185	0.128
34d	rainbow trout	0	0	32	156.4	92.6	0.9	0.02	0.19	0	1.95	**17.911**	2.245	0.133
34e	smallmouth bass	0	0	32	156.4	92.6	0.9	0.02	0.17	0	1.94	**17.813**	2.225	0.131
34f	sturgeon	0	0	32	156.4	92.6	0.9	0.02	0.14	0	1.94	**17.666**	2.195	0.128
34g	sucker	0	0	32	156.4	92.6	0.9	0.02	0.55	0	2.01	**19.695**	2.622	0.164
34h	walleye	0	0	32	156.4	92.6	0.9	0.02	0.2	0	1.95	**17.96**	2.255	0.133
34i	whitefish	0	0	32	156.4	92.6	0.9	0.02	0.15	0	1.94	**17.715**	2.205	0.129
R.V. Park														
35	no fish	0	0	32	148.6	92.6	0.9	0.02	0.12	0	1.91	**16.866**	2.036	0.116
35a	burbot	0	0	32	148.6	92.6	0.9	0.02	0.19	0	1.92	**17.204**	2.103	0.121
35b	kokanee	0	0	32	148.6	92.6	0.9	0.02	0.13	0	1.91	**16.914**	2.046	0.117
35c	northern pike	0	0	32	148.6	92.6	0.9	0.02	0.13	0	1.91	**16.914**	2.046	0.117
35d	rainbow trout	0	0	32	148.6	92.6	0.9	0.02	0.19	0	1.92	**17.204**	2.103	0.121
35e	smallmouth bass	0	0	32	148.6	92.6	0.9	0.02	0.17	0	1.92	**17.107**	2.084	0.12
35f	sturgeon	0	0	32	148.6	92.6	0.9	0.02	0.14	0	1.91	**16.962**	2.055	0.117
35g	sucker	0	0	32	148.6	92.6	0.9	0.02	0.55	0	1.98	**18.969**	2.466	0.151

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
35h	walleye	0	0	32	148.6	92.6	0.9	0.02	0.2	0	1.92	**17.252**	2.112	0.122
35i	whitefish	0	0	32	148.6	92.6	0.9	0.02	0.15	0	1.92	**17.011**	2.065	0.118
Seven Bays														
36	no fish	0	0	32	110.9	92.6	0.9	0.02	0.12	0	1.79	**13.614**	1.446	0.072
36a	burbot	0	0	32	110.9	92.6	0.9	0.02	0.19	0	1.8	**13.928**	1.499	0.076
36b	kokanee	0	0	32	110.9	92.6	0.9	0.02	0.13	0	1.79	**13.658**	1.453	0.073
36c	northern pike	0	0	32	110.9	92.6	0.9	0.02	0.13	0	1.79	**13.658**	1.453	0.073
36d	rainbow trout	0	0	32	110.9	92.6	0.9	0.02	0.19	0	1.8	**13.928**	1.499	0.076
36e	smallmouth bass	0	0	32	110.9	92.6	0.9	0.02	0.17	0	1.8	**13.838**	1.483	0.075
36f	sturgeon	0	0	32	110.9	92.6	0.9	0.02	0.14	0	1.79	**13.703**	1.461	0.073
36g	sucker	0	0	32	110.9	92.6	0.9	0.02	0.55	0	1.86	**15.586**	1.793	0.097
36h	walleye	0	0	32	110.9	92.6	0.9	0.02	0.2	0	1.8	**13.973**	1.507	0.077
36i	whitefish	0	0	32	110.9	92.6	0.9	0.02	0.15	0	1.8	**13.748**	1.468	0.074
Spring Canyon														
37	no fish	0	0	32	111.2	92.6	0.9	0.02	0.12	0	1.79	**13.638**	1.45	0.073
37a	burbot	0	0	32	111.2	92.6	0.9	0.02	0.19	0	1.8	**13.953**	1.503	0.076
37b	kokanee	0	0	32	111.2	92.6	0.9	0.02	0.13	0	1.79	**13.683**	1.457	0.073
37c	northern pike	0	0	32	111.2	92.6	0.9	0.02	0.13	0	1.79	**13.683**	1.457	0.073
37d	rainbow trout	0	0	32	111.2	92.6	0.9	0.02	0.19	0	1.8	**13.953**	1.503	0.076
37e	smallmouth bass	0	0	32	111.2	92.6	0.9	0.02	0.17	0	1.8	**13.862**	1.488	0.075
37f	sturgeon	0	0	32	111.2	92.6	0.9	0.02	0.14	0	1.8	**13.727**	1.465	0.074
37g	sucker	0	0	32	111.2	92.6	0.9	0.02	0.55	0	1.87	**15.611**	1.798	0.098
37h	walleye	0	0	32	111.2	92.6	0.9	0.02	0.2	0	1.81	**13.998**	1.511	0.077
37i	whitefish	0	0	32	111.2	92.6	0.9	0.02	0.15	0	1.8	**13.772**	1.472	0.074
Summer Island														
38	no fish	0	0	32	158.9	92.6	0.9	0.02	0.12	0	1.94	**17.795**	2.221	0.131
38a	burbot	0	0	32	158.9	92.6	0.9	0.02	0.19	0	1.96	**18.138**	2.291	0.136
38b	kokanee	0	0	32	158.9	92.6	0.9	0.02	0.13	0	1.95	**17.844**	2.231	0.131
38c	northern pike	0	0	32	158.9	92.6	0.9	0.02	0.13	0	1.95	**17.844**	2.231	0.131
38d	rainbow trout	0	0	32	158.9	92.6	0.9	0.02	0.19	0	1.96	**18.138**	2.291	0.136
38e	smallmouth bass	0	0	32	158.9	92.6	0.9	0.02	0.17	0	1.95	**18.039**	2.271	0.135
38f	sturgeon	0	0	32	158.9	92.6	0.9	0.02	0.14	0	1.95	**17.893**	2.241	0.132
38g	sucker	0	0	32	158.9	92.6	0.9	0.02	0.55	0	2.02	**19.928**	2.674	0.169
38h	walleye	0	0	32	158.9	92.6	0.9	0.02	0.2	0	1.96	**18.187**	2.301	0.137
38i	whitefish	0	0	32	158.9	92.6	0.9	0.02	0.15	0	1.95	**17.941**	2.251	0.133
Swawilla Basin														
39	no fish	0	0	32	111.3	92.6	0.9	0.02	0.12	0	1.79	**13.639**	1.45	0.073
39a	burbot	0	0	32	111.3	92.6	0.9	0.02	0.19	0	1.8	**13.954**	1.503	0.076
39b	kokanee	0	0	32	111.3	92.6	0.9	0.02	0.13	0	1.79	**13.684**	1.457	0.073
39c	northern pike	0	0	32	111.3	92.6	0.9	0.02	0.13	0	1.79	**13.684**	1.457	0.073
39d	rainbow trout	0	0	32	111.3	92.6	0.9	0.02	0.19	0	1.8	**13.954**	1.503	0.076
39e	smallmouth bass	0	0	32	111.3	92.6	0.9	0.02	0.17	0	1.8	**13.864**	1.488	0.075
39f	sturgeon	0	0	32	111.3	92.6	0.9	0.02	0.14	0	1.8	**13.729**	1.465	0.074
39g	sucker	0	0	32	111.3	92.6	0.9	0.02	0.55	0	1.87	**15.613**	1.798	0.098
39h	walleye	0	0	32	111.3	92.6	0.9	0.02	0.2	0	1.81	**13.999**	1.511	0.077
39i	whitefish	0	0	32	111.3	92.6	0.9	0.02	0.15	0	1.8	**13.774**	1.473	0.074
Swimming Hole														
40	no fish	0	0	32	134	92.6	0.9	0.02	0.12	0	1.86	**15.581**	1.792	0.097
40a	burbot	0	0	32	134	92.6	0.9	0.02	0.19	0	1.88	**15.91**	1.853	0.102
40b	kokanee	0	0	32	134	92.6	0.9	0.02	0.13	0	1.87	**15.628**	1.801	0.098

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
40c	northern pike	0	0	32	134	92.6	0.9	0.02	0.13	0	1.87	**15.628**	1.801	0.098
40d	rainbow trout	0	0	32	134	92.6	0.9	0.02	0.19	0	1.88	**15.91**	1.853	0.102
40e	smallmouth bass	0	0	32	134	92.6	0.9	0.02	0.17	0	1.87	**15.816**	1.836	0.1
40f	sturgeon	0	0	32	134	92.6	0.9	0.02	0.14	0	1.87	**15.675**	1.81	0.098
40g	sucker	0	0	32	134	92.6	0.9	0.02	0.55	0	1.94	**17.638**	2.189	0.128
40h	walleye	0	0	32	134	92.6	0.9	0.02	0.2	0	1.88	**15.958**	1.862	0.102
40i	whitefish	0	0	32	134	92.6	0.9	0.02	0.15	0	1.87	**15.722**	1.818	0.099
Welty Bay														
41	no fish	0	0	32	121.2	92.6	0.9	0.02	0.12	0	1.82	**14.475**	1.593	0.083
41a	burbot	0	0	32	121.2	92.6	0.9	0.02	0.19	0	1.84	**14.796**	1.65	0.087
41b	kokanee	0	0	32	121.2	92.6	0.9	0.02	0.13	0	1.83	**14.521**	1.601	0.083
41c	northern pike	0	0	32	121.2	92.6	0.9	0.02	0.13	0	1.83	**14.521**	1.601	0.083
41d	rainbow trout	0	0	32	121.2	92.6	0.9	0.02	0.19	0	1.84	**14.796**	1.65	0.087
41e	smallmouth bass	0	0	32	121.2	92.6	0.9	0.02	0.17	0	1.83	**14.704**	1.634	0.086
41f	sturgeon	0	0	32	121.2	92.6	0.9	0.02	0.14	0	1.83	**14.567**	1.609	0.084
41g	sucker	0	0	32	121.2	92.6	0.9	0.02	0.55	0	1.9	**16.487**	1.963	0.11
41h	walleye	0	0	32	121.2	92.6	0.9	0.02	0.2	0	1.84	**14.843**	1.658	0.087
41i	whitefish	0	0	32	121.2	92.6	0.9	0.02	0.15	0	1.83	**14.612**	1.618	0.084
Whitestone Campground														
42	no fish	0	0	32	111.4	92.6	0.9	0.02	0.12	0	1.79	**13.654**	1.452	0.073
42a	burbot	0	0	32	111.4	92.6	0.9	0.02	0.19	0	1.8	**13.969**	1.506	0.077
42b	kokanee	0	0	32	111.4	92.6	0.9	0.02	0.13	0	1.79	**13.698**	1.46	0.073
42c	northern pike	0	0	32	111.4	92.6	0.9	0.02	0.13	0	1.79	**13.698**	1.46	0.073
42d	rainbow trout	0	0	32	111.4	92.6	0.9	0.02	0.19	0	1.8	**13.969**	1.506	0.077
42e	smallmouth bass	0	0	32	111.4	92.6	0.9	0.02	0.17	0	1.8	**13.878**	1.49	0.076
42f	sturgeon	0	0	32	111.4	92.6	0.9	0.02	0.14	0	1.8	**13.743**	1.467	0.074
42g	sucker	0	0	32	111.4	92.6	0.9	0.02	0.55	0	1.87	**15.627**	1.801	0.098
42h	walleye	0	0	32	111.4	92.6	0.9	0.02	0.2	0	1.81	**14.014**	1.513	0.077
42i	whitefish	0	0	32	111.4	92.6	0.9	0.02	0.15	0	1.8	**13.788**	1.475	0.074
Wilmont Creek														
43	no fish	0	0	32	114.6	92.6	0.9	0.02	0.12	0	1.8	**13.92**	1.497	0.076
43a	burbot	0	0	32	114.6	92.6	0.9	0.02	0.19	0	1.81	**14.237**	1.552	0.08
43b	kokanee	0	0	32	114.6	92.6	0.9	0.02	0.13	0	1.8	**13.965**	1.505	0.077
43c	northern pike	0	0	32	114.6	92.6	0.9	0.02	0.13	0	1.8	**13.965**	1.505	0.077
43d	rainbow trout	0	0	32	114.6	92.6	0.9	0.02	0.19	0	1.81	**14.237**	1.552	0.08
43e	smallmouth bass	0	0	32	114.6	92.6	0.9	0.02	0.17	0	1.81	**14.146**	1.536	0.079
43f	sturgeon	0	0	32	114.6	92.6	0.9	0.02	0.14	0	1.81	**14.01**	1.513	0.077
43g	sucker	0	0	32	114.6	92.6	0.9	0.02	0.55	0	1.88	**15.906**	1.853	0.102
43h	walleye	0	0	32	114.6	92.6	0.9	0.02	0.2	0	1.82	**14.282**	1.56	0.08
43i	whitefish	0	0	32	114.6	92.6	0.9	0.02	0.15	0	1.81	**14.055**	1.521	0.078

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 8/28/2019
Site Name: UCR
Operable Unit: Recreational Visitor, Boat Trips to Public Beaches, With and Without Fish Consumption
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3 µg/dL, 5 µg/dL, 8 µg/dL

Input File: Aug 28 2019 Pub Bch Sed SW Fish Boat.dat

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
Bossburg Flat-2015-SDU-01														
1	no fish	0	0	32	157.6	92.6	0.9	0.02	0.1	0	1.94	**17.584**	2.179	0.127
1a	burbot	0	0	32	157.6	92.6	0.9	0.02	0.17	0	1.95	**17.926**	2.248	0.133
1b	kokanee	0	0	32	157.6	92.6	0.9	0.02	0.11	0	1.94	**17.633**	2.188	0.128
1c	northern pike	0	0	32	157.6	92.6	0.9	0.02	0.11	0	1.94	**17.633**	2.188	0.128
1d	rainbow trout	0	0	32	157.6	92.6	0.9	0.02	0.17	0	1.95	**17.926**	2.248	0.133
1e	smallmouth bass	0	0	32	157.6	92.6	0.9	0.02	0.15	0	1.95	**17.828**	2.228	0.131
1f	sturgeon	0	0	32	157.6	92.6	0.9	0.02	0.12	0	1.94	**17.681**	2.198	0.129
1g	sucker	0	0	32	157.6	92.6	0.9	0.02	0.53	0	2.01	**19.71**	2.626	0.165
1h	walleye	0	0	32	157.6	92.6	0.9	0.02	0.18	0	1.95	**17.975**	2.258	0.134
1i	whitefish	0	0	32	157.6	92.6	0.9	0.02	0.13	0	1.94	**17.73**	2.208	0.13
Bossburg Flat-2015-SDU-02														
2	no fish	0	0	32	157.6	92.6	0.9	0.02	0.1	0	1.94	**17.58**	2.178	0.127
2a	burbot	0	0	32	157.6	92.6	0.9	0.02	0.17	0	1.95	**17.922**	2.247	0.133
2b	kokanee	0	0	32	157.6	92.6	0.9	0.02	0.11	0	1.94	**17.629**	2.188	0.128
2c	northern pike	0	0	32	157.6	92.6	0.9	0.02	0.11	0	1.94	**17.629**	2.188	0.128
2d	rainbow trout	0	0	32	157.6	92.6	0.9	0.02	0.17	0	1.95	**17.922**	2.247	0.133
2e	smallmouth bass	0	0	32	157.6	92.6	0.9	0.02	0.15	0	1.94	**17.824**	2.227	0.131
2f	sturgeon	0	0	32	157.6	92.6	0.9	0.02	0.12	0	1.94	**17.678**	2.197	0.129
2g	sucker	0	0	32	157.6	92.6	0.9	0.02	0.53	0	2.01	**19.707**	2.625	0.165
2h	walleye	0	0	32	157.6	92.6	0.9	0.02	0.18	0	1.95	**17.971**	2.257	0.134
2i	whitefish	0	0	32	157.6	92.6	0.9	0.02	0.13	0	1.94	**17.726**	2.207	0.129
Bossburg Flat-2015-SDU-03														
3	no fish	0	0	32	122.7	92.6	0.9	0.02	0.1	0	1.83	**14.515**	1.6	0.083
3a	burbot	0	0	32	122.7	92.6	0.9	0.02	0.17	0	1.84	**14.837**	1.657	0.087
3b	kokanee	0	0	32	122.7	92.6	0.9	0.02	0.11	0	1.83	**14.561**	1.608	0.084
3c	northern pike	0	0	32	122.7	92.6	0.9	0.02	0.11	0	1.83	**14.561**	1.608	0.084
3d	rainbow trout	0	0	32	122.7	92.6	0.9	0.02	0.17	0	1.84	**14.837**	1.657	0.087
3e	smallmouth bass	0	0	32	122.7	92.6	0.9	0.02	0.15	0	1.83	**14.745**	1.641	0.086
3f	sturgeon	0	0	32	122.7	92.6	0.9	0.02	0.12	0	1.83	**14.607**	1.617	0.084
3g	sucker	0	0	32	122.7	92.6	0.9	0.02	0.53	0	1.9	**16.529**	1.971	0.111
3h	walleye	0	0	32	122.7	92.6	0.9	0.02	0.18	0	1.84	**14.883**	1.666	0.088
3i	whitefish	0	0	32	122.7	92.6	0.9	0.02	0.13	0	1.83	**14.653**	1.625	0.085
Bossburg Flat-2015-SDU-04														

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
4	no fish	0	0	32	115.8	92.6	0.9	0.02	0.1	0	1.8	**13.927**	1.499	0.076
4a	burbot	0	0	32	115.8	92.6	0.9	0.02	0.17	0	1.81	**14.244**	1.553	0.08
4b	kokanee	0	0	32	115.8	92.6	0.9	0.02	0.11	0	1.8	**13.972**	1.506	0.077
4c	northern pike	0	0	32	115.8	92.6	0.9	0.02	0.11	0	1.8	**13.972**	1.506	0.077
4d	rainbow trout	0	0	32	115.8	92.6	0.9	0.02	0.17	0	1.81	**14.244**	1.553	0.08
4e	smallmouth bass	0	0	32	115.8	92.6	0.9	0.02	0.15	0	1.81	**14.153**	1.537	0.079
4f	sturgeon	0	0	32	115.8	92.6	0.9	0.02	0.12	0	1.81	**14.017**	1.514	0.077
4g	sucker	0	0	32	115.8	92.6	0.9	0.02	0.53	0	1.88	**15.914**	1.854	0.102
4h	walleye	0	0	32	115.8	92.6	0.9	0.02	0.18	0	1.82	**14.289**	1.561	0.08
4i	whitefish	0	0	32	115.8	92.6	0.9	0.02	0.13	0	1.81	**14.062**	1.522	0.078
Bossburg Flat-2015-SDU-08														
5	no fish	0	0	32	155.2	92.6	0.9	0.02	0.1	0	1.93	**17.367**	2.135	0.124
5a	burbot	0	0	32	155.2	92.6	0.9	0.02	0.17	0	1.94	**17.707**	2.203	0.129
5b	kokanee	0	0	32	155.2	92.6	0.9	0.02	0.11	0	1.93	**17.415**	2.145	0.124
5c	northern pike	0	0	32	155.2	92.6	0.9	0.02	0.11	0	1.93	**17.415**	2.145	0.124
5d	rainbow trout	0	0	32	155.2	92.6	0.9	0.02	0.17	0	1.94	**17.707**	2.203	0.129
5e	smallmouth bass	0	0	32	155.2	92.6	0.9	0.02	0.15	0	1.94	**17.61**	2.184	0.128
5f	sturgeon	0	0	32	155.2	92.6	0.9	0.02	0.12	0	1.93	**17.464**	2.154	0.125
5g	sucker	0	0	32	155.2	92.6	0.9	0.02	0.53	0	2	**19.487**	2.577	0.16
5h	walleye	0	0	32	155.2	92.6	0.9	0.02	0.18	0	1.94	**17.756**	2.213	0.13
5i	whitefish	0	0	32	155.2	92.6	0.9	0.02	0.13	0	1.93	**17.513**	2.164	0.126
Bossburg Flat-2015-SDU-09														
6	no fish	0	0	32	120.4	92.6	0.9	0.02	0.1	0	1.82	**14.32**	1.566	0.081
6a	burbot	0	0	32	120.4	92.6	0.9	0.02	0.17	0	1.83	**14.64**	1.622	0.085
6b	kokanee	0	0	32	120.4	92.6	0.9	0.02	0.11	0	1.82	**14.366**	1.574	0.081
6c	northern pike	0	0	32	120.4	92.6	0.9	0.02	0.11	0	1.82	**14.366**	1.574	0.081
6d	rainbow trout	0	0	32	120.4	92.6	0.9	0.02	0.17	0	1.83	**14.64**	1.622	0.085
6e	smallmouth bass	0	0	32	120.4	92.6	0.9	0.02	0.15	0	1.83	**14.548**	1.606	0.084
6f	sturgeon	0	0	32	120.4	92.6	0.9	0.02	0.12	0	1.82	**14.411**	1.582	0.082
6g	sucker	0	0	32	120.4	92.6	0.9	0.02	0.53	0	1.89	**16.325**	1.932	0.108
6h	walleye	0	0	32	120.4	92.6	0.9	0.02	0.18	0	1.83	**14.686**	1.631	0.085
6i	whitefish	0	0	32	120.4	92.6	0.9	0.02	0.13	0	1.82	**14.457**	1.59	0.083
Bossburg Flat-2015-SDU-10														
7	no fish	0	0	32	122	92.6	0.9	0.02	0.1	0	1.82	**14.452**	1.589	0.082
7a	burbot	0	0	32	122	92.6	0.9	0.02	0.17	0	1.83	**14.773**	1.646	0.086
7b	kokanee	0	0	32	122	92.6	0.9	0.02	0.11	0	1.82	**14.497**	1.597	0.083
7c	northern pike	0	0	32	122	92.6	0.9	0.02	0.11	0	1.82	**14.497**	1.597	0.083
7d	rainbow trout	0	0	32	122	92.6	0.9	0.02	0.17	0	1.83	**14.773**	1.646	0.086
7e	smallmouth bass	0	0	32	122	92.6	0.9	0.02	0.15	0	1.83	**14.681**	1.63	0.085
7f	sturgeon	0	0	32	122	92.6	0.9	0.02	0.12	0	1.83	**14.543**	1.605	0.084
7g	sucker	0	0	32	122	92.6	0.9	0.02	0.53	0	1.9	**16.462**	1.958	0.11
7h	walleye	0	0	32	122	92.6	0.9	0.02	0.18	0	1.84	**14.819**	1.654	0.087
7i	whitefish	0	0	32	122	92.6	0.9	0.02	0.13	0	1.83	**14.589**	1.613	0.084
Evans Campground-2015-SDU-05														
8	no fish	0	0	32	143.4	92.6	0.9	0.02	0.1	0	1.89	**16.315**	1.93	0.108
8a	burbot	0	0	32	143.4	92.6	0.9	0.02	0.17	0	1.9	**16.65**	1.994	0.113
8b	kokanee	0	0	32	143.4	92.6	0.9	0.02	0.11	0	1.89	**16.363**	1.939	0.108
8c	northern pike	0	0	32	143.4	92.6	0.9	0.02	0.11	0	1.89	**16.363**	1.939	0.108
8d	rainbow trout	0	0	32	143.4	92.6	0.9	0.02	0.17	0	1.9	**16.65**	1.994	0.113
8e	smallmouth bass	0	0	32	143.4	92.6	0.9	0.02	0.15	0	1.9	**16.554**	1.976	0.111
8f	sturgeon	0	0	32	143.4	92.6	0.9	0.02	0.12	0	1.89	**16.411**	1.948	0.109

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
8g	sucker	0	0	32	143.4	92.6	0.9	0.02	0.53	0	1.97	**18.4**	2.346	0.141
8h	walleye	0	0	32	143.4	92.6	0.9	0.02	0.18	0	1.91	**16.698**	2.003	0.113
8i	whitefish	0	0	32	143.4	92.6	0.9	0.02	0.13	0	1.9	**16.458**	1.957	0.11
Evans Campground-2015-SDU-06														
9	no fish	0	0	32	112.8	92.6	0.9	0.02	0.1	0	1.79	**13.682**	1.457	0.073
9a	burbot	0	0	32	112.8	92.6	0.9	0.02	0.17	0	1.81	**13.997**	1.511	0.077
9b	kokanee	0	0	32	112.8	92.6	0.9	0.02	0.11	0	1.8	**13.726**	1.465	0.074
9c	northern pike	0	0	32	112.8	92.6	0.9	0.02	0.11	0	1.8	**13.726**	1.465	0.074
9d	rainbow trout	0	0	32	112.8	92.6	0.9	0.02	0.17	0	1.81	**13.997**	1.511	0.077
9e	smallmouth bass	0	0	32	112.8	92.6	0.9	0.02	0.15	0	1.8	**13.906**	1.495	0.076
9f	sturgeon	0	0	32	112.8	92.6	0.9	0.02	0.12	0	1.8	**13.771**	1.472	0.074
9g	sucker	0	0	32	112.8	92.6	0.9	0.02	0.53	0	1.87	**15.657**	1.806	0.098
9g	walleye	0	0	32	112.8	92.6	0.9	0.02	0.18	0	1.81	**14.042**	1.518	0.077
9i	whitefish	0	0	32	112.8	92.6	0.9	0.02	0.13	0	1.8	**13.816**	1.48	0.075
Evans Campground-2015-SDU-07														
10	no fish	0	0	32	145.1	92.6	0.9	0.02	0.1	0	1.9	**16.465**	1.959	0.11
10a	burbot	0	0	32	145.1	92.6	0.9	0.02	0.17	0	1.91	**16.801**	2.023	0.115
10b	kokanee	0	0	32	145.1	92.6	0.9	0.02	0.11	0	1.9	**16.513**	1.968	0.111
10c	northern pike	0	0	32	145.1	92.6	0.9	0.02	0.11	0	1.9	**16.513**	1.968	0.111
10d	rainbow trout	0	0	32	145.1	92.6	0.9	0.02	0.17	0	1.91	**16.801**	2.023	0.115
10e	smallmouth bass	0	0	32	145.1	92.6	0.9	0.02	0.15	0	1.91	**16.705**	2.005	0.113
10f	sturgeon	0	0	32	145.1	92.6	0.9	0.02	0.12	0	1.9	**16.561**	1.977	0.111
10g	sucker	0	0	32	145.1	92.6	0.9	0.02	0.53	0	1.97	**18.555**	2.378	0.144
10h	walleye	0	0	32	145.1	92.6	0.9	0.02	0.18	0	1.91	**16.849**	2.033	0.116
10i	whitefish	0	0	32	145.1	92.6	0.9	0.02	0.13	0	1.9	**16.609**	1.986	0.112
AA Campground														
11	no fish	0	0	32	112.2	92.6	0.9	0.02	0.1	0	1.79	**13.624**	1.447	0.073
11a	burbot	0	0	32	112.2	92.6	0.9	0.02	0.17	0	1.8	**13.939**	1.501	0.076
11b	kokanee	0	0	32	112.2	92.6	0.9	0.02	0.11	0	1.79	**13.669**	1.455	0.073
11c	northern pike	0	0	32	112.2	92.6	0.9	0.02	0.11	0	1.79	**13.669**	1.455	0.073
11d	rainbow trout	0	0	32	112.2	92.6	0.9	0.02	0.17	0	1.8	**13.939**	1.501	0.076
11e	smallmouth bass	0	0	32	112.2	92.6	0.9	0.02	0.15	0	1.8	**13.849**	1.485	0.075
11f	sturgeon	0	0	32	112.2	92.6	0.9	0.02	0.12	0	1.79	**13.714**	1.462	0.074
11g	sucker	0	0	32	112.2	92.6	0.9	0.02	0.53	0	1.87	**15.597**	1.795	0.097
11h	walleye	0	0	32	112.2	92.6	0.9	0.02	0.18	0	1.8	**13.984**	1.508	0.077
11i	whitefish	0	0	32	112.2	92.6	0.9	0.02	0.13	0	1.8	**13.759**	1.47	0.074
Barnaby Island Campgr														
12	no fish	0	0	32	114.4	92.6	0.9	0.02	0.1	0	1.8	**13.81**	1.479	0.075
12a	burbot	0	0	32	114.4	92.6	0.9	0.02	0.17	0	1.81	**14.126**	1.533	0.078
12b	kokanee	0	0	32	114.4	92.6	0.9	0.02	0.11	0	1.8	**13.855**	1.486	0.075
12c	northern pike	0	0	32	114.4	92.6	0.9	0.02	0.11	0	1.8	**13.855**	1.486	0.075
12d	rainbow trout	0	0	32	114.4	92.6	0.9	0.02	0.17	0	1.81	**14.126**	1.533	0.078
12e	smallmouth bass	0	0	32	114.4	92.6	0.9	0.02	0.15	0	1.81	**14.036**	1.517	0.077
12f	sturgeon	0	0	32	114.4	92.6	0.9	0.02	0.12	0	1.8	**13.9**	1.494	0.076
12g	sucker	0	0	32	114.4	92.6	0.9	0.02	0.53	0	1.87	**15.792**	1.831	0.1
12h	walleye	0	0	32	114.4	92.6	0.9	0.02	0.18	0	1.81	**14.172**	1.541	0.079
12i	whitefish	0	0	32	114.4	92.6	0.9	0.02	0.13	0	1.8	**13.945**	1.502	0.076
Black Sand														
13	no fish	0	0	32	149.3	92.6	0.9	0.02	0.1	0	1.91	**16.833**	2.03	0.115
13a	burbot	0	0	32	149.3	92.6	0.9	0.02	0.17	0	1.92	**17.171**	2.096	0.121
13b	kokanee	0	0	32	149.3	92.6	0.9	0.02	0.11	0	1.91	**16.882**	2.039	0.116

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
13c	northern pike	0	0	32	149.3	92.6	0.9	0.02	0.11	0	1.91	**16.882**	2.039	0.116
13d	rainbow trout	0	0	32	149.3	92.6	0.9	0.02	0.17	0	1.92	**17.171**	2.096	0.121
13e	smallmouth bass	0	0	32	149.3	92.6	0.9	0.02	0.15	0	1.92	**17.074**	2.077	0.119
13f	sturgeon	0	0	32	149.3	92.6	0.9	0.02	0.12	0	1.91	**16.93**	2.049	0.117
13g	sucker	0	0	32	149.3	92.6	0.9	0.02	0.53	0	1.98	**18.936**	2.458	0.15
13h	walleye	0	0	32	149.3	92.6	0.9	0.02	0.18	0	1.92	**17.219**	2.106	0.121
13i	whitefish	0	0	32	149.3	92.6	0.9	0.02	0.13	0	1.92	**16.978**	2.058	0.118
Bossburg Flat-2011														
14	no fish	0	0	32	332.2	92.6	0.9	0.02	0.1	0	2.49	**34.464**	**6.855**	0.645
14a	burbot	0	0	32	332.2	92.6	0.9	0.02	0.17	0	2.5	**34.832**	**6.988**	0.663
14b	kokanee	0	0	32	332.2	92.6	0.9	0.02	0.11	0	2.49	**34.517**	**6.874**	0.647
14c	northern pike	0	0	32	332.2	92.6	0.9	0.02	0.11	0	2.49	**34.517**	**6.874**	0.647
14d	rainbow trout	0	0	32	332.2	92.6	0.9	0.02	0.17	0	2.5	**34.832**	**6.988**	0.663
14e	smallmouth bass	0	0	32	332.2	92.6	0.9	0.02	0.15	0	2.49	**34.727**	**6.95**	0.658
14f	sturgeon	0	0	32	332.2	92.6	0.9	0.02	0.12	0	2.49	**34.569**	**6.893**	0.65
14g	sucker	0	0	32	332.2	92.6	0.9	0.02	0.53	0	2.56	**36.719**	**7.691**	0.763
14h	walleye	0	0	32	332.2	92.6	0.9	0.02	0.18	0	2.5	**34.885**	**7.007**	0.666
14i	whitefish	0	0	32	332.2	92.6	0.9	0.02	0.13	0	2.49	**34.622**	**6.912**	0.653
Bradbury														
15	no fish	0	0	32	121.3	92.6	0.9	0.02	0.1	0	1.82	**14.395**	1.579	0.082
15a	burbot	0	0	32	121.3	92.6	0.9	0.02	0.17	0	1.83	**14.716**	1.636	0.086
15b	kokanee	0	0	32	121.3	92.6	0.9	0.02	0.11	0	1.82	**14.441**	1.587	0.082
15c	northern pike	0	0	32	121.3	92.6	0.9	0.02	0.11	0	1.82	**14.441**	1.587	0.082
15d	rainbow trout	0	0	32	121.3	92.6	0.9	0.02	0.17	0	1.83	**14.716**	1.636	0.086
15e	smallmouth bass	0	0	32	121.3	92.6	0.9	0.02	0.15	0	1.83	**14.624**	1.62	0.085
15f	sturgeon	0	0	32	121.3	92.6	0.9	0.02	0.12	0	1.82	**14.487**	1.595	0.083
15g	sucker	0	0	32	121.3	92.6	0.9	0.02	0.53	0	1.89	**16.403**	1.947	0.109
15h	walleye	0	0	32	121.3	92.6	0.9	0.02	0.18	0	1.83	**14.762**	1.644	0.086
15i	whitefish	0	0	32	121.3	92.6	0.9	0.02	0.13	0	1.83	**14.533**	1.603	0.083
China Bend														
16	no fish	0	0	32	153.4	92.6	0.9	0.02	0.1	0	1.92	**17.203**	2.102	0.121
16a	burbot	0	0	32	153.4	92.6	0.9	0.02	0.17	0	1.94	**17.543**	2.17	0.126
16b	kokanee	0	0	32	153.4	92.6	0.9	0.02	0.11	0	1.92	**17.251**	2.112	0.122
16c	northern pike	0	0	32	153.4	92.6	0.9	0.02	0.11	0	1.92	**17.251**	2.112	0.122
16d	rainbow trout	0	0	32	153.4	92.6	0.9	0.02	0.17	0	1.94	**17.543**	2.17	0.126
16e	smallmouth bass	0	0	32	153.4	92.6	0.9	0.02	0.15	0	1.93	**17.445**	2.151	0.125
16f	sturgeon	0	0	32	153.4	92.6	0.9	0.02	0.12	0	1.93	**17.3**	2.122	0.123
16g	sucker	0	0	32	153.4	92.6	0.9	0.02	0.53	0	2	**19.317**	2.54	0.157
16h	walleye	0	0	32	153.4	92.6	0.9	0.02	0.18	0	1.94	**17.591**	2.18	0.127
16i	whitefish	0	0	32	153.4	92.6	0.9	0.02	0.13	0	1.93	**17.348**	2.131	0.123
Colville Flats														
17	no fish	0	0	32	138.3	92.6	0.9	0.02	0.1	0	1.87	**15.859**	1.844	0.101
17a	burbot	0	0	32	138.3	92.6	0.9	0.02	0.17	0	1.89	**16.19**	1.906	0.106
17b	kokanee	0	0	32	138.3	92.6	0.9	0.02	0.11	0	1.88	**15.906**	1.853	0.102
17c	northern pike	0	0	32	138.3	92.6	0.9	0.02	0.11	0	1.88	**15.906**	1.853	0.102
17d	rainbow trout	0	0	32	138.3	92.6	0.9	0.02	0.17	0	1.89	**16.19**	1.906	0.106
17e	smallmouth bass	0	0	32	138.3	92.6	0.9	0.02	0.15	0	1.88	**16.095**	1.888	0.104
17f	sturgeon	0	0	32	138.3	92.6	0.9	0.02	0.12	0	1.88	**15.953**	1.861	0.102
17g	sucker	0	0	32	138.3	92.6	0.9	0.02	0.53	0	1.95	**17.927**	2.248	0.133
17h	walleye	0	0	32	138.3	92.6	0.9	0.02	0.18	0	1.89	**16.238**	1.915	0.106
17i	whitefish	0	0	32	138.3	92.6	0.9	0.02	0.13	0	1.88	**16.001**	1.87	0.103

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
Colville River														
18	no fish	0	0	32	112.3	92.6	0.9	0.02	0.1	0	1.79	**13.637**	1.449	0.073
18a	burbot	0	0	32	112.3	92.6	0.9	0.02	0.17	0	1.8	**13.951**	1.503	0.076
18b	kokanee	0	0	32	112.3	92.6	0.9	0.02	0.11	0	1.79	**13.681**	1.457	0.073
18c	northern pike	0	0	32	112.3	92.6	0.9	0.02	0.11	0	1.79	**13.681**	1.457	0.073
18d	rainbow trout	0	0	32	112.3	92.6	0.9	0.02	0.17	0	1.8	**13.951**	1.503	0.076
18e	smallmouth bass	0	0	32	112.3	92.6	0.9	0.02	0.15	0	1.8	**13.861**	1.487	0.075
18f	sturgeon	0	0	32	112.3	92.6	0.9	0.02	0.12	0	1.8	**13.726**	1.465	0.074
18g	sucker	0	0	32	112.3	92.6	0.9	0.02	0.53	0	1.87	**15.61**	1.798	0.098
18h	walleye	0	0	32	112.3	92.6	0.9	0.02	0.18	0	1.81	**13.996**	1.51	0.077
18i	whitefish	0	0	32	112.3	92.6	0.9	0.02	0.13	0	1.8	**13.771**	1.472	0.074
Crescent Bay														
19	no fish	0	0	32	110.8	92.6	0.9	0.02	0.1	0	1.79	**13.513**	1.429	0.071
19a	burbot	0	0	32	110.8	92.6	0.9	0.02	0.17	0	1.8	**13.827**	1.482	0.075
19b	kokanee	0	0	32	110.8	92.6	0.9	0.02	0.11	0	1.79	**13.558**	1.436	0.072
19c	northern pike	0	0	32	110.8	92.6	0.9	0.02	0.11	0	1.79	**13.558**	1.436	0.072
19d	rainbow trout	0	0	32	110.8	92.6	0.9	0.02	0.17	0	1.8	**13.827**	1.482	0.075
19e	smallmouth bass	0	0	32	110.8	92.6	0.9	0.02	0.15	0	1.8	**13.737**	1.466	0.074
19f	sturgeon	0	0	32	110.8	92.6	0.9	0.02	0.12	0	1.79	**13.603**	1.444	0.072
19g	sucker	0	0	32	110.8	92.6	0.9	0.02	0.53	0	1.86	**15.48**	1.774	0.096
19h	walleye	0	0	32	110.8	92.6	0.9	0.02	0.18	0	1.8	**13.872**	1.489	0.075
19i	whitefish	0	0	32	110.8	92.6	0.9	0.02	0.13	0	1.79	**13.648**	1.451	0.073
Dallas Orchard														
20	no fish	0	0	32	163.7	92.6	0.9	0.02	0.1	0	1.96	**18.141**	2.292	0.136
20a	burbot	0	0	32	163.7	92.6	0.9	0.02	0.17	0	1.97	**18.485**	2.363	0.142
20b	kokanee	0	0	32	163.7	92.6	0.9	0.02	0.11	0	1.96	**18.19**	2.302	0.137
20c	northern pike	0	0	32	163.7	92.6	0.9	0.02	0.11	0	1.96	**18.19**	2.302	0.137
20d	rainbow trout	0	0	32	163.7	92.6	0.9	0.02	0.17	0	1.97	**18.485**	2.363	0.142
20e	smallmouth bass	0	0	32	163.7	92.6	0.9	0.02	0.15	0	1.96	**18.387**	2.343	0.141
20f	sturgeon	0	0	32	163.7	92.6	0.9	0.02	0.12	0	1.96	**18.239**	2.312	0.138
20g	sucker	0	0	32	163.7	92.6	0.9	0.02	0.53	0	2.03	**20.283**	2.753	0.176
20h	walleye	0	0	32	163.7	92.6	0.9	0.02	0.18	0	1.97	**18.535**	2.374	0.143
20i	whitefish	0	0	32	163.7	92.6	0.9	0.02	0.13	0	1.96	**18.288**	2.322	0.139
Enterprise														
21	no fish	0	0	32	112.1	92.6	0.9	0.02	0.1	0	1.79	**13.616**	1.446	0.072
21a	burbot	0	0	32	112.1	92.6	0.9	0.02	0.17	0	1.8	**13.93**	1.499	0.076
21b	kokanee	0	0	32	112.1	92.6	0.9	0.02	0.11	0	1.79	**13.66**	1.453	0.073
21c	northern pike	0	0	32	112.1	92.6	0.9	0.02	0.11	0	1.79	**13.66**	1.453	0.073
21d	rainbow trout	0	0	32	112.1	92.6	0.9	0.02	0.17	0	1.8	**13.93**	1.499	0.076
21e	smallmouth bass	0	0	32	112.1	92.6	0.9	0.02	0.15	0	1.8	**13.84**	1.484	0.075
21f	sturgeon	0	0	32	112.1	92.6	0.9	0.02	0.12	0	1.79	**13.705**	1.461	0.074
21g	sucker	0	0	32	112.1	92.6	0.9	0.02	0.53	0	1.86	**15.588**	1.793	0.097
21h	walleye	0	0	32	112.1	92.6	0.9	0.02	0.18	0	1.8	**13.975**	1.507	0.077
21i	whitefish	0	0	32	112.1	92.6	0.9	0.02	0.13	0	1.8	**13.75**	1.469	0.074
Evans Campground-2011														
22	no fish	0	0	32	149.3	92.6	0.9	0.02	0.1	0	1.91	**16.835**	2.03	0.115
22a	burbot	0	0	32	149.3	92.6	0.9	0.02	0.17	0	1.92	**17.173**	2.096	0.121
22b	kokanee	0	0	32	149.3	92.6	0.9	0.02	0.11	0	1.91	**16.883**	2.04	0.116
22c	northern pike	0	0	32	149.3	92.6	0.9	0.02	0.11	0	1.91	**16.883**	2.04	0.116
22d	rainbow trout	0	0	32	149.3	92.6	0.9	0.02	0.17	0	1.92	**17.173**	2.096	0.121
22e	smallmouth bass	0	0	32	149.3	92.6	0.9	0.02	0.15	0	1.92	**17.076**	2.077	0.119

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
22f	sturgeon	0	0	32	149.3	92.6	0.9	0.02	0.12	0	1.91	**16.931**	2.049	0.117
22g	sucker	0	0	32	149.3	92.6	0.9	0.02	0.53	0	1.98	**18.938**	2.459	0.15
22h	walleye	0	0	32	149.3	92.6	0.9	0.02	0.18	0	1.92	**17.221**	2.106	0.121
22i	whitefish	0	0	32	149.3	92.6	0.9	0.02	0.13	0	1.92	**16.98**	2.058	0.118
Flat Creek														
23	no fish	0	0	32	141.4	92.6	0.9	0.02	0.1	0	1.88	**16.132**	1.895	0.105
23a	burbot	0	0	32	141.4	92.6	0.9	0.02	0.17	0	1.9	**16.465**	1.959	0.11
23b	kokanee	0	0	32	141.4	92.6	0.9	0.02	0.11	0	1.89	**16.179**	1.904	0.106
23c	northern pike	0	0	32	141.4	92.6	0.9	0.02	0.11	0	1.89	**16.179**	1.904	0.106
23d	rainbow trout	0	0	32	141.4	92.6	0.9	0.02	0.17	0	1.9	**16.465**	1.959	0.11
23e	smallmouth bass	0	0	32	141.4	92.6	0.9	0.02	0.15	0	1.89	**16.369**	1.94	0.108
23f	sturgeon	0	0	32	141.4	92.6	0.9	0.02	0.12	0	1.89	**16.227**	1.913	0.106
23g	sucker	0	0	32	141.4	92.6	0.9	0.02	0.53	0	1.96	**18.209**	2.306	0.138
23h	walleye	0	0	32	141.4	92.6	0.9	0.02	0.18	0	1.9	**16.512**	1.968	0.111
23i	whitefish	0	0	32	141.4	92.6	0.9	0.02	0.13	0	1.89	**16.274**	1.922	0.107
Hawk Creek														
24	no fish	0	0	32	111.3	92.6	0.9	0.02	0.1	0	1.79	**13.551**	1.435	0.072
24a	burbot	0	0	32	111.3	92.6	0.9	0.02	0.17	0	1.8	**13.865**	1.488	0.075
24b	kokanee	0	0	32	111.3	92.6	0.9	0.02	0.11	0	1.79	**13.596**	1.443	0.072
24c	northern pike	0	0	32	111.3	92.6	0.9	0.02	0.11	0	1.79	**13.596**	1.443	0.072
24d	rainbow trout	0	0	32	111.3	92.6	0.9	0.02	0.17	0	1.8	**13.865**	1.488	0.075
24e	smallmouth bass	0	0	32	111.3	92.6	0.9	0.02	0.15	0	1.8	**13.775**	1.473	0.074
24f	sturgeon	0	0	32	111.3	92.6	0.9	0.02	0.12	0	1.79	**13.64**	1.45	0.073
24g	sucker	0	0	32	111.3	92.6	0.9	0.02	0.53	0	1.86	**15.52**	1.781	0.096
24h	walleye	0	0	32	111.3	92.6	0.9	0.02	0.18	0	1.8	**13.91**	1.496	0.076
24i	whitefish	0	0	32	111.3	92.6	0.9	0.02	0.13	0	1.79	**13.685**	1.458	0.073
Hunters														
25	no fish	0	0	32	112.4	92.6	0.9	0.02	0.1	0	1.79	**13.644**	1.451	0.073
25a	burbot	0	0	32	112.4	92.6	0.9	0.02	0.17	0	1.8	**13.959**	1.504	0.076
25b	kokanee	0	0	32	112.4	92.6	0.9	0.02	0.11	0	1.79	**13.689**	1.458	0.073
25c	northern pike	0	0	32	112.4	92.6	0.9	0.02	0.11	0	1.79	**13.689**	1.458	0.073
25d	rainbow trout	0	0	32	112.4	92.6	0.9	0.02	0.17	0	1.8	**13.959**	1.504	0.076
25e	smallmouth bass	0	0	32	112.4	92.6	0.9	0.02	0.15	0	1.8	**13.869**	1.489	0.075
25f	sturgeon	0	0	32	112.4	92.6	0.9	0.02	0.12	0	1.8	**13.734**	1.466	0.074
25g	sucker	0	0	32	112.4	92.6	0.9	0.02	0.53	0	1.87	**15.617**	1.799	0.098
25h	walleye	0	0	32	112.4	92.6	0.9	0.02	0.18	0	1.81	**14.004**	1.512	0.077
25i	whitefish	0	0	32	112.4	92.6	0.9	0.02	0.13	0	1.8	**13.779**	1.473	0.074
Jones Bay														
26	no fish	0	0	32	111	92.6	0.9	0.02	0.1	0	1.79	**13.532**	1.432	0.072
26a	burbot	0	0	32	111	92.6	0.9	0.02	0.17	0	1.8	**13.846**	1.485	0.075
26b	kokanee	0	0	32	111	92.6	0.9	0.02	0.11	0	1.79	**13.576**	1.439	0.072
26c	northern pike	0	0	32	111	92.6	0.9	0.02	0.11	0	1.79	**13.576**	1.439	0.072
26d	rainbow trout	0	0	32	111	92.6	0.9	0.02	0.17	0	1.8	**13.846**	1.485	0.075
26e	smallmouth bass	0	0	32	111	92.6	0.9	0.02	0.15	0	1.8	**13.756**	1.469	0.074
26f	sturgeon	0	0	32	111	92.6	0.9	0.02	0.12	0	1.79	**13.621**	1.447	0.073
26g	sucker	0	0	32	111	92.6	0.9	0.02	0.53	0	1.86	**15.5**	1.777	0.096
26h	walleye	0	0	32	111	92.6	0.9	0.02	0.18	0	1.8	**13.891**	1.492	0.076
26i	whitefish	0	0	32	111	92.6	0.9	0.02	0.13	0	1.79	**13.666**	1.454	0.073
Kamloops Island														
27	no fish	0	0	32	113.2	92.6	0.9	0.02	0.1	0	1.79	**13.712**	1.462	0.074
27a	burbot	0	0	32	113.2	92.6	0.9	0.02	0.17	0	1.81	**14.028**	1.516	0.077

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
27b	kokanee	0	0	32	113.2	92.6	0.9	0.02	0.11	0	1.8	**13.757**	1.47	0.074
27c	northern pike	0	0	32	113.2	92.6	0.9	0.02	0.11	0	1.8	**13.757**	1.47	0.074
27d	rainbow trout	0	0	32	113.2	92.6	0.9	0.02	0.17	0	1.81	**14.028**	1.516	0.077
27e	smallmouth bass	0	0	32	113.2	92.6	0.9	0.02	0.15	0	1.8	**13.937**	1.5	0.076
27f	sturgeon	0	0	32	113.2	92.6	0.9	0.02	0.12	0	1.8	**13.802**	1.477	0.075
27g	sucker	0	0	32	113.2	92.6	0.9	0.02	0.53	0	1.87	**15.689**	1.812	0.099
27h	walleye	0	0	32	113.2	92.6	0.9	0.02	0.18	0	1.81	**14.073**	1.524	0.078
27i	whitefish	0	0	32	113.2	92.6	0.9	0.02	0.13	0	1.8	**13.847**	1.485	0.075
Kettle Falls														
28	no fish	0	0	32	111.9	92.6	0.9	0.02	0.1	0	1.79	**13.602**	1.444	0.072
28a	burbot	0	0	32	111.9	92.6	0.9	0.02	0.17	0	1.8	**13.917**	1.497	0.076
28b	kokanee	0	0	32	111.9	92.6	0.9	0.02	0.11	0	1.79	**13.647**	1.451	0.073
28c	northern pike	0	0	32	111.9	92.6	0.9	0.02	0.11	0	1.79	**13.647**	1.451	0.073
28d	rainbow trout	0	0	32	111.9	92.6	0.9	0.02	0.17	0	1.8	**13.917**	1.497	0.076
28e	smallmouth bass	0	0	32	111.9	92.6	0.9	0.02	0.15	0	1.8	**13.827**	1.482	0.075
28f	sturgeon	0	0	32	111.9	92.6	0.9	0.02	0.12	0	1.79	**13.692**	1.459	0.073
28g	sucker	0	0	32	111.9	92.6	0.9	0.02	0.53	0	1.86	**15.574**	1.791	0.097
2h8	walleye	0	0	32	111.9	92.6	0.9	0.02	0.18	0	1.8	**13.962**	1.505	0.077
i28	whitefish	0	0	32	111.9	92.6	0.9	0.02	0.13	0	1.8	**13.737**	1.466	0.074
Lyons Island														
29	no fish	0	0	32	124.4	92.6	0.9	0.02	0.1	0	1.83	**14.655**	1.625	0.085
29a	burbot	0	0	32	124.4	92.6	0.9	0.02	0.17	0	1.84	**14.978**	1.683	0.089
29b	kokanee	0	0	32	124.4	92.6	0.9	0.02	0.11	0	1.83	**14.701**	1.633	0.086
29c	northern pike	0	0	32	124.4	92.6	0.9	0.02	0.11	0	1.83	**14.701**	1.633	0.086
29d	rainbow trout	0	0	32	124.4	92.6	0.9	0.02	0.17	0	1.84	**14.978**	1.683	0.089
29e	smallmouth bass	0	0	32	124.4	92.6	0.9	0.02	0.15	0	1.84	**14.886**	1.666	0.088
29f	sturgeon	0	0	32	124.4	92.6	0.9	0.02	0.12	0	1.83	**14.747**	1.641	0.086
29g	sucker	0	0	32	124.4	92.6	0.9	0.02	0.53	0	1.9	**16.675**	1.999	0.113
29h	walleye	0	0	32	124.4	92.6	0.9	0.02	0.18	0	1.84	**15.025**	1.691	0.09
29i	whitefish	0	0	32	124.4	92.6	0.9	0.02	0.13	0	1.84	**14.793**	1.65	0.087
McGuires														
30	no fish	0	0	32	111.3	92.6	0.9	0.02	0.1	0	1.79	**13.557**	1.436	0.072
30a	burbot	0	0	32	111.3	92.6	0.9	0.02	0.17	0	1.8	**13.871**	1.489	0.075
30b	kokanee	0	0	32	111.3	92.6	0.9	0.02	0.11	0	1.79	**13.601**	1.443	0.072
30c	northern pike	0	0	32	111.3	92.6	0.9	0.02	0.11	0	1.79	**13.601**	1.443	0.072
30d	rainbow trout	0	0	32	111.3	92.6	0.9	0.02	0.17	0	1.8	**13.871**	1.489	0.075
30e	smallmouth bass	0	0	32	111.3	92.6	0.9	0.02	0.15	0	1.8	**13.781**	1.474	0.074
30f	sturgeon	0	0	32	111.3	92.6	0.9	0.02	0.12	0	1.79	**13.646**	1.451	0.073
30g	sucker	0	0	32	111.3	92.6	0.9	0.02	0.53	0	1.86	**15.526**	1.782	0.096
30h	walleye	0	0	32	111.3	92.6	0.9	0.02	0.18	0	1.8	**13.916**	1.497	0.076
30i	whitefish	0	0	32	111.3	92.6	0.9	0.02	0.13	0	1.79	**13.691**	1.459	0.073
Mitchell Point														
31	no fish	0	0	32	111.6	92.6	0.9	0.02	0.1	0	1.79	**13.58**	1.44	0.072
31a	burbot	0	0	32	111.6	92.6	0.9	0.02	0.17	0	1.8	**13.894**	1.493	0.076
31b	kokanee	0	0	32	111.6	92.6	0.9	0.02	0.11	0	1.79	**13.625**	1.447	0.073
31c	northern pike	0	0	32	111.6	92.6	0.9	0.02	0.11	0	1.79	**13.625**	1.447	0.073
31d	rainbow trout	0	0	32	111.6	92.6	0.9	0.02	0.17	0	1.8	**13.894**	1.493	0.076
31e	smallmouth bass	0	0	32	111.6	92.6	0.9	0.02	0.15	0	1.8	**13.804**	1.478	0.075
31f	sturgeon	0	0	32	111.6	92.6	0.9	0.02	0.12	0	1.79	**13.669**	1.455	0.073
31g	sucker	0	0	32	111.6	92.6	0.9	0.02	0.53	0	1.86	**15.55**	1.787	0.097
31h	walleye	0	0	32	111.6	92.6	0.9	0.02	0.18	0	1.8	**13.939**	1.501	0.076

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
31i	whitefish	0	0	32	111.6	92.6	0.9	0.02	0.13	0	1.79	**13.714**	1.462	0.074
Naborlee														
32	no fish	0	0	32	114.4	92.6	0.9	0.02	0.1	0	1.8	**13.813**	1.479	0.075
32a	burbot	0	0	32	114.4	92.6	0.9	0.02	0.17	0	1.81	**14.129**	1.533	0.079
32b	kokanee	0	0	32	114.4	92.6	0.9	0.02	0.11	0	1.8	**13.858**	1.487	0.075
32c	northern pike	0	0	32	114.4	92.6	0.9	0.02	0.11	0	1.8	**13.858**	1.487	0.075
32d	rainbow trout	0	0	32	114.4	92.6	0.9	0.02	0.17	0	1.81	**14.129**	1.533	0.079
32e	smallmouth bass	0	0	32	114.4	92.6	0.9	0.02	0.15	0	1.81	**14.038**	1.518	0.077
32f	sturgeon	0	0	32	114.4	92.6	0.9	0.02	0.12	0	1.8	**13.903**	1.494	0.076
32g	sucker	0	0	32	114.4	92.6	0.9	0.02	0.53	0	1.87	**15.794**	1.832	0.1
32h	walleye	0	0	32	114.4	92.6	0.9	0.02	0.18	0	1.81	**14.174**	1.541	0.079
32i	whitefish	0	0	32	114.4	92.6	0.9	0.02	0.13	0	1.8	**13.948**	1.502	0.076
Nez Perce														
33	no fish	0	0	32	111.6	92.6	0.9	0.02	0.1	0	1.79	**13.574**	1.439	0.072
33a	burbot	0	0	32	111.6	92.6	0.9	0.02	0.17	0	1.8	**13.888**	1.492	0.076
33b	kokanee	0	0	32	111.6	92.6	0.9	0.02	0.11	0	1.79	**13.619**	1.446	0.073
33c	northern pike	0	0	32	111.6	92.6	0.9	0.02	0.11	0	1.79	**13.619**	1.446	0.073
33d	rainbow trout	0	0	32	111.6	92.6	0.9	0.02	0.17	0	1.8	**13.888**	1.492	0.076
33e	smallmouth bass	0	0	32	111.6	92.6	0.9	0.02	0.15	0	1.8	**13.798**	1.477	0.075
33f	sturgeon	0	0	32	111.6	92.6	0.9	0.02	0.12	0	1.79	**13.664**	1.454	0.073
33g	sucker	0	0	32	111.6	92.6	0.9	0.02	0.53	0	1.86	**15.544**	1.785	0.097
33h	walleye	0	0	32	111.6	92.6	0.9	0.02	0.18	0	1.8	**13.933**	1.5	0.076
33i	whitefish	0	0	32	111.6	92.6	0.9	0.02	0.13	0	1.79	**13.708**	1.462	0.074
Northport Beach														
34	no fish	0	0	32	156.4	92.6	0.9	0.02	0.1	0	1.93	**17.472**	2.156	0.125
34a	burbot	0	0	32	156.4	92.6	0.9	0.02	0.17	0	1.94	**17.813**	2.225	0.131
34b	kokanee	0	0	32	156.4	92.6	0.9	0.02	0.11	0	1.93	**17.52**	2.166	0.126
34c	northern pike	0	0	32	156.4	92.6	0.9	0.02	0.11	0	1.93	**17.52**	2.166	0.126
34d	rainbow trout	0	0	32	156.4	92.6	0.9	0.02	0.17	0	1.94	**17.813**	2.225	0.131
34e	smallmouth bass	0	0	32	156.4	92.6	0.9	0.02	0.15	0	1.94	**17.715**	2.205	0.129
34f	sturgeon	0	0	32	156.4	92.6	0.9	0.02	0.12	0	1.94	**17.569**	2.176	0.127
34g	sucker	0	0	32	156.4	92.6	0.9	0.02	0.53	0	2.01	**19.595**	2.601	0.163
34h	walleye	0	0	32	156.4	92.6	0.9	0.02	0.18	0	1.95	**17.862**	2.235	0.132
34i	whitefish	0	0	32	156.4	92.6	0.9	0.02	0.13	0	1.94	**17.618**	2.185	0.128
R.V. Park														
35	no fish	0	0	32	148.6	92.6	0.9	0.02	0.1	0	1.91	**16.77**	2.017	0.114
35a	burbot	0	0	32	148.6	92.6	0.9	0.02	0.17	0	1.92	**17.107**	2.084	0.12
35b	kokanee	0	0	32	148.6	92.6	0.9	0.02	0.11	0	1.91	**16.818**	2.027	0.115
35c	northern pike	0	0	32	148.6	92.6	0.9	0.02	0.11	0	1.91	**16.818**	2.027	0.115
35d	rainbow trout	0	0	32	148.6	92.6	0.9	0.02	0.17	0	1.92	**17.107**	2.084	0.12
35e	smallmouth bass	0	0	32	148.6	92.6	0.9	0.02	0.15	0	1.92	**17.011**	2.065	0.118
35f	sturgeon	0	0	32	148.6	92.6	0.9	0.02	0.12	0	1.91	**16.866**	2.036	0.116
35g	sucker	0	0	32	148.6	92.6	0.9	0.02	0.53	0	1.98	**18.87**	2.445	0.149
35h	walleye	0	0	32	148.6	92.6	0.9	0.02	0.18	0	1.92	**17.155**	2.093	0.12
35i	whitefish	0	0	32	148.6	92.6	0.9	0.02	0.13	0	1.91	**16.914**	2.046	0.117
Seven Bays														
36	no fish	0	0	32	110.9	92.6	0.9	0.02	0.1	0	1.79	**13.524**	1.431	0.071
36a	burbot	0	0	32	110.9	92.6	0.9	0.02	0.17	0	1.8	**13.838**	1.483	0.075
36b	kokanee	0	0	32	110.9	92.6	0.9	0.02	0.11	0	1.79	**13.569**	1.438	0.072
36c	northern pike	0	0	32	110.9	92.6	0.9	0.02	0.11	0	1.79	**13.569**	1.438	0.072
36d	rainbow trout	0	0	32	110.9	92.6	0.9	0.02	0.17	0	1.8	**13.838**	1.483	0.075

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
36e	smallmouth bass	0	0	32	110.9	92.6	0.9	0.02	0.15	0	1.8	**13.748**	1.468	0.074
36f	sturgeon	0	0	32	110.9	92.6	0.9	0.02	0.12	0	1.79	**13.614**	1.446	0.072
36g	sucker	0	0	32	110.9	92.6	0.9	0.02	0.53	0	1.86	**15.492**	1.776	0.096
36h	walleye	0	0	32	110.9	92.6	0.9	0.02	0.18	0	1.8	**13.883**	1.491	0.076
36i	whitefish	0	0	32	110.9	92.6	0.9	0.02	0.13	0	1.79	**13.658**	1.453	0.073
Spring Canyon														
37	no fish	0	0	32	111.2	92.6	0.9	0.02	0.1	0	1.79	**13.548**	1.435	0.072
37a	burbot	0	0	32	111.2	92.6	0.9	0.02	0.17	0	1.8	**13.862**	1.488	0.075
37b	kokanee	0	0	32	111.2	92.6	0.9	0.02	0.11	0	1.79	**13.593**	1.442	0.072
37c	northern pike	0	0	32	111.2	92.6	0.9	0.02	0.11	0	1.79	**13.593**	1.442	0.072
37d	rainbow trout	0	0	32	111.2	92.6	0.9	0.02	0.17	0	1.8	**13.862**	1.488	0.075
37e	smallmouth bass	0	0	32	111.2	92.6	0.9	0.02	0.15	0	1.8	**13.772**	1.472	0.074
37f	sturgeon	0	0	32	111.2	92.6	0.9	0.02	0.12	0	1.79	**13.638**	1.45	0.073
37g	sucker	0	0	32	111.2	92.6	0.9	0.02	0.53	0	1.86	**15.517**	1.78	0.096
37h	walleye	0	0	32	111.2	92.6	0.9	0.02	0.18	0	1.8	**13.907**	1.495	0.076
37i	whitefish	0	0	32	111.2	92.6	0.9	0.02	0.13	0	1.79	**13.683**	1.457	0.073
Summer Island														
38	no fish	0	0	32	158.9	92.6	0.9	0.02	0.1	0	1.94	**17.697**	2.201	0.129
38a	burbot	0	0	32	158.9	92.6	0.9	0.02	0.17	0	1.95	**18.039**	2.271	0.135
38b	kokanee	0	0	32	158.9	92.6	0.9	0.02	0.11	0	1.94	**17.746**	2.211	0.13
38c	northern pike	0	0	32	158.9	92.6	0.9	0.02	0.11	0	1.94	**17.746**	2.211	0.13
38d	rainbow trout	0	0	32	158.9	92.6	0.9	0.02	0.17	0	1.95	**18.039**	2.271	0.135
38e	smallmouth bass	0	0	32	158.9	92.6	0.9	0.02	0.15	0	1.95	**17.941**	2.251	0.133
38f	sturgeon	0	0	32	158.9	92.6	0.9	0.02	0.12	0	1.94	**17.795**	2.221	0.131
38g	sucker	0	0	32	158.9	92.6	0.9	0.02	0.53	0	2.01	**19.827**	2.652	0.167
38h	walleye	0	0	32	158.9	92.6	0.9	0.02	0.18	0	1.95	**18.089**	2.281	0.136
38i	whitefish	0	0	32	158.9	92.6	0.9	0.02	0.13	0	1.95	**17.844**	2.231	0.131
Swawilla Basin														
39	no fish	0	0	32	111.3	92.6	0.9	0.02	0.1	0	1.79	**13.55**	1.435	0.072
39a	burbot	0	0	32	111.3	92.6	0.9	0.02	0.17	0	1.8	**13.864**	1.488	0.075
39b	kokanee	0	0	32	111.3	92.6	0.9	0.02	0.11	0	1.79	**13.595**	1.442	0.072
39c	northern pike	0	0	32	111.3	92.6	0.9	0.02	0.11	0	1.79	**13.595**	1.442	0.072
39d	rainbow trout	0	0	32	111.3	92.6	0.9	0.02	0.17	0	1.8	**13.864**	1.488	0.075
39e	smallmouth bass	0	0	32	111.3	92.6	0.9	0.02	0.15	0	1.8	**13.774**	1.473	0.074
39f	sturgeon	0	0	32	111.3	92.6	0.9	0.02	0.12	0	1.79	**13.639**	1.45	0.073
39g	sucker	0	0	32	111.3	92.6	0.9	0.02	0.53	0	1.86	**15.519**	1.781	0.096
39h	walleye	0	0	32	111.3	92.6	0.9	0.02	0.18	0	1.8	**13.909**	1.496	0.076
39i	whitefish	0	0	32	111.3	92.6	0.9	0.02	0.13	0	1.79	**13.684**	1.457	0.073
Swimming Hole														
40	no fish	0	0	32	134	92.6	0.9	0.02	0.1	0	1.86	**15.487**	1.775	0.096
40a	burbot	0	0	32	134	92.6	0.9	0.02	0.17	0	1.87	**15.816**	1.836	0.1
40b	kokanee	0	0	32	134	92.6	0.9	0.02	0.11	0	1.86	**15.534**	1.784	0.097
40c	northern pike	0	0	32	134	92.6	0.9	0.02	0.11	0	1.86	**15.534**	1.784	0.097
40d	rainbow trout	0	0	32	134	92.6	0.9	0.02	0.17	0	1.87	**15.816**	1.836	0.1
40e	smallmouth bass	0	0	32	134	92.6	0.9	0.02	0.15	0	1.87	**15.722**	1.818	0.099
40f	sturgeon	0	0	32	134	92.6	0.9	0.02	0.12	0	1.86	**15.581**	1.792	0.097
40g	sucker	0	0	32	134	92.6	0.9	0.02	0.53	0	1.93	**17.541**	2.17	0.126
40h	walleye	0	0	32	134	92.6	0.9	0.02	0.18	0	1.87	**15.863**	1.845	0.101
40i	whitefish	0	0	32	134	92.6	0.9	0.02	0.13	0	1.87	**15.628**	1.801	0.098
Welty Bay														
41	no fish	0	0	32	121.2	92.6	0.9	0.02	0.1	0	1.82	**14.384**	1.577	0.082

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
41a	burbot	0	0	32	121.2	92.6	0.9	0.02	0.17	0	1.83	**14.704**	1.634	0.086
41b	kokanee	0	0	32	121.2	92.6	0.9	0.02	0.11	0	1.82	**14.429**	1.585	0.082
41c	northern pike	0	0	32	121.2	92.6	0.9	0.02	0.11	0	1.82	**14.429**	1.585	0.082
41d	rainbow trout	0	0	32	121.2	92.6	0.9	0.02	0.17	0	1.83	**14.704**	1.634	0.086
41e	smallmouth bass	0	0	32	121.2	92.6	0.9	0.02	0.15	0	1.83	**14.612**	1.618	0.084
41f	sturgeon	0	0	32	121.2	92.6	0.9	0.02	0.12	0	1.82	**14.475**	1.593	0.083
41g	sucker	0	0	32	121.2	92.6	0.9	0.02	0.53	0	1.89	**16.391**	1.944	0.109
41h	walleye	0	0	32	121.2	92.6	0.9	0.02	0.18	0	1.83	**14.75**	1.642	0.086
41i	whitefish	0	0	32	121.2	92.6	0.9	0.02	0.13	0	1.83	**14.521**	1.601	0.083
Whitestone Campground														
42	no fish	0	0	32	111.4	92.6	0.9	0.02	0.1	0	1.79	**13.564**	1.437	0.072
42a	burbot	0	0	32	111.4	92.6	0.9	0.02	0.17	0	1.8	**13.878**	1.49	0.076
42b	kokanee	0	0	32	111.4	92.6	0.9	0.02	0.11	0	1.79	**13.609**	1.445	0.072
42c	northern pike	0	0	32	111.4	92.6	0.9	0.02	0.11	0	1.79	**13.609**	1.445	0.072
42d	rainbow trout	0	0	32	111.4	92.6	0.9	0.02	0.17	0	1.8	**13.878**	1.49	0.076
42e	smallmouth bass	0	0	32	111.4	92.6	0.9	0.02	0.15	0	1.8	**13.788**	1.475	0.074
42f	sturgeon	0	0	32	111.4	92.6	0.9	0.02	0.12	0	1.79	**13.654**	1.452	0.073
42g	sucker	0	0	32	111.4	92.6	0.9	0.02	0.53	0	1.86	**15.534**	1.784	0.097
42h	walleye	0	0	32	111.4	92.6	0.9	0.02	0.18	0	1.8	**13.923**	1.498	0.076
42i	whitefish	0	0	32	111.4	92.6	0.9	0.02	0.13	0	1.79	**13.698**	1.46	0.073
Wilmont Creek														
43	no fish	0	0	32	114.6	92.6	0.9	0.02	0.1	0	1.8	**13.829**	1.482	0.075
43a	burbot	0	0	32	114.6	92.6	0.9	0.02	0.17	0	1.81	**14.146**	1.536	0.079
43b	kokanee	0	0	32	114.6	92.6	0.9	0.02	0.11	0	1.8	**13.875**	1.49	0.075
43c	northern pike	0	0	32	114.6	92.6	0.9	0.02	0.11	0	1.8	**13.875**	1.49	0.075
43d	rainbow trout	0	0	32	114.6	92.6	0.9	0.02	0.17	0	1.81	**14.146**	1.536	0.079
43e	smallmouth bass	0	0	32	114.6	92.6	0.9	0.02	0.15	0	1.81	**14.055**	1.521	0.078
43f	sturgeon	0	0	32	114.6	92.6	0.9	0.02	0.12	0	1.8	**13.92**	1.497	0.076
43g	sucker	0	0	32	114.6	92.6	0.9	0.02	0.53	0	1.87	**15.812**	1.835	0.1
43h	walleye	0	0	32	114.6	92.6	0.9	0.02	0.18	0	1.81	**14.191**	1.544	0.079
43i	whitefish	0	0	32	114.6	92.6	0.9	0.02	0.13	0	1.8	**13.965**	1.505	0.077

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 8/28/2019
Site Name: UCR
Operable Unit: Recreational Visitor, Camping Trips to Public Beaches, With and Without Fish Consumption
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3 µg/dL, 5 µg/dL, 8 µg/dL

Input File: 28 Aug 2019 Pub Bch Sed SW Fish Campers.dat

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
Bossburg Flat-2015-SDU-01														
1	no fish	0	0	32	157.6	92.6	0.9	0.02	0.23	0	1.96	**18.22**	2.308	0.138
1a	burbot	0	0	32	157.6	92.6	0.9	0.02	0.3	0	1.97	**18.565**	2.38	0.144
1b	kokanee	0	0	32	157.6	92.6	0.9	0.02	0.24	0	1.96	**18.269**	2.318	0.139
1c	northern pike	0	0	32	157.6	92.6	0.9	0.02	0.24	0	1.96	**18.269**	2.318	0.139
1d	rainbow trout	0	0	32	157.6	92.6	0.9	0.02	0.3	0	1.97	**18.565**	2.38	0.144
1e	smallmouth bass	0	0	32	157.6	92.6	0.9	0.02	0.28	0	1.97	**18.466**	2.359	0.142
1f	sturgeon	0	0	32	157.6	92.6	0.9	0.02	0.25	0	1.96	**18.318**	2.329	0.139
1g	sucker	0	0	32	157.6	92.6	0.9	0.02	0.66	0	2.03	**20.365**	2.771	0.178
1h	walleye	0	0	32	157.6	92.6	0.9	0.02	0.31	0	1.97	**18.614**	2.391	0.145
1i	whitefish	0	0	32	157.6	92.6	0.9	0.02	0.26	0	1.96	**18.368**	2.339	0.14
Bossburg Flat-2015-SDU-02														
2	no fish	0	0	32	157.6	92.6	0.9	0.02	0.23	0	1.96	**18.216**	2.308	0.138
2a	burbot	0	0	32	157.6	92.6	0.9	0.02	0.3	0	1.97	**18.561**	2.379	0.144
2b	kokanee	0	0	32	157.6	92.6	0.9	0.02	0.24	0	1.96	**18.265**	2.318	0.139
2c	northern pike	0	0	32	157.6	92.6	0.9	0.02	0.24	0	1.96	**18.265**	2.318	0.139
2d	rainbow trout	0	0	32	157.6	92.6	0.9	0.02	0.3	0	1.97	**18.561**	2.379	0.144
2e	smallmouth bass	0	0	32	157.6	92.6	0.9	0.02	0.28	0	1.97	**18.462**	2.359	0.142
2f	sturgeon	0	0	32	157.6	92.6	0.9	0.02	0.25	0	1.96	**18.315**	2.328	0.139
2g	sucker	0	0	32	157.6	92.6	0.9	0.02	0.66	0	2.03	**20.361**	2.771	0.177
2h	walleye	0	0	32	157.6	92.6	0.9	0.02	0.31	0	1.97	**18.611**	2.39	0.145
2i	whitefish	0	0	32	157.6	92.6	0.9	0.02	0.26	0	1.96	**18.364**	2.338	0.14
Bossburg Flat-2015-SDU-03														
3	no fish	0	0	32	122.7	92.6	0.9	0.02	0.23	0	1.85	**15.115**	1.707	0.091
3a	burbot	0	0	32	122.7	92.6	0.9	0.02	0.3	0	1.86	**15.441**	1.767	0.095
3b	kokanee	0	0	32	122.7	92.6	0.9	0.02	0.24	0	1.85	**15.161**	1.716	0.092
3c	northern pike	0	0	32	122.7	92.6	0.9	0.02	0.24	0	1.85	**15.161**	1.716	0.092
3d	rainbow trout	0	0	32	122.7	92.6	0.9	0.02	0.3	0	1.86	**15.441**	1.767	0.095
3e	smallmouth bass	0	0	32	122.7	92.6	0.9	0.02	0.28	0	1.86	**15.348**	1.749	0.094
3f	sturgeon	0	0	32	122.7	92.6	0.9	0.02	0.25	0	1.85	**15.208**	1.724	0.092
3g	sucker	0	0	32	122.7	92.6	0.9	0.02	0.66	0	1.92	**17.154**	2.093	0.12
3h	walleye	0	0	32	122.7	92.6	0.9	0.02	0.31	0	1.86	**15.488**	1.775	0.096
3i	whitefish	0	0	32	122.7	92.6	0.9	0.02	0.26	0	1.85	**15.254**	1.732	0.093
Bossburg Flat-2015-SDU-04														
4	no fish	0	0	32	115.8	92.6	0.9	0.02	0.23	0	1.83	**14.518**	1.601	0.083
4a	burbot	0	0	32	115.8	92.6	0.9	0.02	0.3	0	1.84	**14.84**	1.658	0.087

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
4b	kokanee	0	0	32	115.8	92.6	0.9	0.02	0.24	0	1.83	**14.564**	1.609	0.084
4c	northern pike	0	0	32	115.8	92.6	0.9	0.02	0.24	0	1.83	**14.564**	1.609	0.084
4d	rainbow trout	0	0	32	115.8	92.6	0.9	0.02	0.3	0	1.84	**14.84**	1.658	0.087
4e	smallmouth bass	0	0	32	115.8	92.6	0.9	0.02	0.28	0	1.83	**14.747**	1.641	0.086
4f	sturgeon	0	0	32	115.8	92.6	0.9	0.02	0.25	0	1.83	**14.609**	1.617	0.084
4g	sucker	0	0	32	115.8	92.6	0.9	0.02	0.66	0	1.9	**16.531**	1.971	0.111
4h	walleye	0	0	32	115.8	92.6	0.9	0.02	0.31	0	1.84	**14.886**	1.666	0.088
4i	whitefish	0	0	32	115.8	92.6	0.9	0.02	0.26	0	1.83	**14.655**	1.625	0.085
Bossburg Flat-2015-SDU-08														
5	no fish	0	0	32	155.2	92.6	0.9	0.02	0.23	0	1.95	**18.001**	2.263	0.134
5a	burbot	0	0	32	155.2	92.6	0.9	0.02	0.3	0	1.96	**18.345**	2.334	0.14
5b	kokanee	0	0	32	155.2	92.6	0.9	0.02	0.24	0	1.95	**18.05**	2.273	0.135
5c	northern pike	0	0	32	155.2	92.6	0.9	0.02	0.24	0	1.95	**18.05**	2.273	0.135
5d	rainbow trout	0	0	32	155.2	92.6	0.9	0.02	0.3	0	1.96	**18.345**	2.334	0.14
5e	smallmouth bass	0	0	32	155.2	92.6	0.9	0.02	0.28	0	1.96	**18.246**	2.314	0.138
5f	sturgeon	0	0	32	155.2	92.6	0.9	0.02	0.25	0	1.95	**18.099**	2.283	0.136
5g	sucker	0	0	32	155.2	92.6	0.9	0.02	0.66	0	2.02	**20.139**	2.721	0.173
5h	walleye	0	0	32	155.2	92.6	0.9	0.02	0.31	0	1.96	**18.394**	2.344	0.141
5i	whitefish	0	0	32	155.2	92.6	0.9	0.02	0.26	0	1.96	**18.148**	2.293	0.137
Bossburg Flat-2015-SDU-09														
6	no fish	0	0	32	120.4	92.6	0.9	0.02	0.23	0	1.84	**14.917**	1.672	0.088
6a	burbot	0	0	32	120.4	92.6	0.9	0.02	0.3	0	1.85	**15.241**	1.73	0.093
6b	kokanee	0	0	32	120.4	92.6	0.9	0.02	0.24	0	1.84	**14.963**	1.68	0.089
6c	northern pike	0	0	32	120.4	92.6	0.9	0.02	0.24	0	1.84	**14.963**	1.68	0.089
6d	rainbow trout	0	0	32	120.4	92.6	0.9	0.02	0.3	0	1.85	**15.241**	1.73	0.093
6e	smallmouth bass	0	0	32	120.4	92.6	0.9	0.02	0.28	0	1.85	**15.148**	1.713	0.091
6f	sturgeon	0	0	32	120.4	92.6	0.9	0.02	0.25	0	1.84	**15.009**	1.688	0.09
6g	sucker	0	0	32	120.4	92.6	0.9	0.02	0.66	0	1.91	**16.947**	2.052	0.117
6h	walleye	0	0	32	120.4	92.6	0.9	0.02	0.31	0	1.85	**15.288**	1.739	0.093
6i	whitefish	0	0	32	120.4	92.6	0.9	0.02	0.26	0	1.85	**15.056**	1.696	0.09
Bossburg Flat-2015-SDU-10														
7	no fish	0	0	32	122	92.6	0.9	0.02	0.23	0	1.85	**15.05**	1.696	0.09
7a	burbot	0	0	32	122	92.6	0.9	0.02	0.3	0	1.86	**15.376**	1.755	0.094
7b	kokanee	0	0	32	122	92.6	0.9	0.02	0.24	0	1.85	**15.097**	1.704	0.091
7c	northern pike	0	0	32	122	92.6	0.9	0.02	0.24	0	1.85	**15.097**	1.704	0.091
7d	rainbow trout	0	0	32	122	92.6	0.9	0.02	0.3	0	1.86	**15.376**	1.755	0.094
7e	smallmouth bass	0	0	32	122	92.6	0.9	0.02	0.28	0	1.85	**15.283**	1.738	0.093
7f	sturgeon	0	0	32	122	92.6	0.9	0.02	0.25	0	1.85	**15.143**	1.712	0.091
7g	sucker	0	0	32	122	92.6	0.9	0.02	0.66	0	1.92	**17.086**	2.079	0.119
7h	walleye	0	0	32	122	92.6	0.9	0.02	0.31	0	1.86	**15.423**	1.763	0.095
7i	whitefish	0	0	32	122	92.6	0.9	0.02	0.26	0	1.85	**15.19**	1.721	0.092
Evans Campground-2015-SDU-05														
8	no fish	0	0	32	143.4	92.6	0.9	0.02	0.23	0	1.91	**16.938**	2.05	0.117
8a	burbot	0	0	32	143.4	92.6	0.9	0.02	0.3	0	1.93	**17.276**	2.117	0.122
8b	kokanee	0	0	32	143.4	92.6	0.9	0.02	0.24	0	1.92	**16.986**	2.06	0.118
8c	northern pike	0	0	32	143.4	92.6	0.9	0.02	0.24	0	1.92	**16.986**	2.06	0.118
8d	rainbow trout	0	0	32	143.4	92.6	0.9	0.02	0.3	0	1.93	**17.276**	2.117	0.122
8e	smallmouth bass	0	0	32	143.4	92.6	0.9	0.02	0.28	0	1.92	**17.179**	2.098	0.121
8f	sturgeon	0	0	32	143.4	92.6	0.9	0.02	0.25	0	1.92	**17.034**	2.069	0.118
8g	sucker	0	0	32	143.4	92.6	0.9	0.02	0.66	0	1.99	**19.044**	2.481	0.152
8h	walleye	0	0	32	143.4	92.6	0.9	0.02	0.31	0	1.93	**17.324**	2.127	0.123
8i	whitefish	0	0	32	143.4	92.6	0.9	0.02	0.26	0	1.92	**17.083**	2.079	0.119
Evans Campground-2015-SDU-06														

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
9	no fish	0	0	32	112.8	92.6	0.9	0.02	0.23	0	1.82	**14.269**	1.557	0.08
9a	burbot	0	0	32	112.8	92.6	0.9	0.02	0.3	0	1.83	**14.589**	1.613	0.084
9b	kokanee	0	0	32	112.8	92.6	0.9	0.02	0.24	0	1.82	**14.314**	1.565	0.081
9c	northern pike	0	0	32	112.8	92.6	0.9	0.02	0.24	0	1.82	**14.314**	1.565	0.081
9d	rainbow trout	0	0	32	112.8	92.6	0.9	0.02	0.3	0	1.83	**14.589**	1.613	0.084
9e	smallmouth bass	0	0	32	112.8	92.6	0.9	0.02	0.28	0	1.82	**14.497**	1.597	0.083
9f	sturgeon	0	0	32	112.8	92.6	0.9	0.02	0.25	0	1.82	**14.36**	1.573	0.081
9g	sucker	0	0	32	112.8	92.6	0.9	0.02	0.66	0	1.89	**16.271**	1.922	0.107
9g	walleye	0	0	32	112.8	92.6	0.9	0.02	0.31	0	1.83	**14.635**	1.621	0.085
9i	whitefish	0	0	32	112.8	92.6	0.9	0.02	0.26	0	1.82	**14.406**	1.581	0.082
Evans Campground-2015-SDU-07														
10	no fish	0	0	32	145.1	92.6	0.9	0.02	0.23	0	1.92	**17.089**	2.08	0.119
10a	burbot	0	0	32	145.1	92.6	0.9	0.02	0.3	0	1.93	**17.428**	2.147	0.125
10b	kokanee	0	0	32	145.1	92.6	0.9	0.02	0.24	0	1.92	**17.138**	2.09	0.12
10c	northern pike	0	0	32	145.1	92.6	0.9	0.02	0.24	0	1.92	**17.138**	2.09	0.12
10d	rainbow trout	0	0	32	145.1	92.6	0.9	0.02	0.3	0	1.93	**17.428**	2.147	0.125
10e	smallmouth bass	0	0	32	145.1	92.6	0.9	0.02	0.28	0	1.93	**17.331**	2.128	0.123
10f	sturgeon	0	0	32	145.1	92.6	0.9	0.02	0.25	0	1.92	**17.186**	2.099	0.121
10g	sucker	0	0	32	145.1	92.6	0.9	0.02	0.66	0	1.99	**19.2**	2.515	0.155
10h	walleye	0	0	32	145.1	92.6	0.9	0.02	0.31	0	1.93	**17.477**	2.157	0.125
10i	whitefish	0	0	32	145.1	92.6	0.9	0.02	0.26	0	1.92	**17.235**	2.109	0.122
AA Campground														
11	no fish	0	0	32	112.2	92.6	0.9	0.02	0.23	0	1.81	**14.21**	1.547	0.079
11a	burbot	0	0	32	112.2	92.6	0.9	0.02	0.3	0	1.83	**14.53**	1.603	0.083
11b	kokanee	0	0	32	112.2	92.6	0.9	0.02	0.24	0	1.82	**14.256**	1.555	0.08
11c	northern pike	0	0	32	112.2	92.6	0.9	0.02	0.24	0	1.82	**14.256**	1.555	0.08
11d	rainbow trout	0	0	32	112.2	92.6	0.9	0.02	0.3	0	1.83	**14.53**	1.603	0.083
11e	smallmouth bass	0	0	32	112.2	92.6	0.9	0.02	0.28	0	1.82	**14.438**	1.587	0.082
11f	sturgeon	0	0	32	112.2	92.6	0.9	0.02	0.25	0	1.82	**14.302**	1.563	0.081
11g	sucker	0	0	32	112.2	92.6	0.9	0.02	0.66	0	1.89	**16.21**	1.91	0.106
11h	walleye	0	0	32	112.2	92.6	0.9	0.02	0.31	0	1.83	**14.576**	1.611	0.084
11i	whitefish	0	0	32	112.2	92.6	0.9	0.02	0.26	0	1.82	**14.347**	1.571	0.081
Barnaby Island Campgr														
12	no fish	0	0	32	114.4	92.6	0.9	0.02	0.23	0	1.82	**14.4**	1.58	0.082
12a	burbot	0	0	32	114.4	92.6	0.9	0.02	0.3	0	1.83	**14.72**	1.637	0.086
12b	kokanee	0	0	32	114.4	92.6	0.9	0.02	0.24	0	1.82	**14.445**	1.588	0.082
12c	northern pike	0	0	32	114.4	92.6	0.9	0.02	0.24	0	1.82	**14.445**	1.588	0.082
12d	rainbow trout	0	0	32	114.4	92.6	0.9	0.02	0.3	0	1.83	**14.72**	1.637	0.086
12e	smallmouth bass	0	0	32	114.4	92.6	0.9	0.02	0.28	0	1.83	**14.628**	1.62	0.085
12f	sturgeon	0	0	32	114.4	92.6	0.9	0.02	0.25	0	1.82	**14.491**	1.596	0.083
12g	sucker	0	0	32	114.4	92.6	0.9	0.02	0.66	0	1.89	**16.408**	1.948	0.109
12h	walleye	0	0	32	114.4	92.6	0.9	0.02	0.31	0	1.83	**14.766**	1.645	0.086
12i	whitefish	0	0	32	114.4	92.6	0.9	0.02	0.26	0	1.83	**14.537**	1.604	0.084
Black Sand														
13	no fish	0	0	32	149.3	92.6	0.9	0.02	0.23	0	1.93	**17.462**	2.154	0.125
13a	burbot	0	0	32	149.3	92.6	0.9	0.02	0.3	0	1.94	**17.803**	2.223	0.131
13b	kokanee	0	0	32	149.3	92.6	0.9	0.02	0.24	0	1.93	**17.51**	2.164	0.126
13c	northern pike	0	0	32	149.3	92.6	0.9	0.02	0.24	0	1.93	**17.51**	2.164	0.126
13d	rainbow trout	0	0	32	149.3	92.6	0.9	0.02	0.3	0	1.94	**17.803**	2.223	0.131
13e	smallmouth bass	0	0	32	149.3	92.6	0.9	0.02	0.28	0	1.94	**17.705**	2.203	0.129
13f	sturgeon	0	0	32	149.3	92.6	0.9	0.02	0.25	0	1.94	**17.559**	2.173	0.127
13g	sucker	0	0	32	149.3	92.6	0.9	0.02	0.66	0	2.01	**19.584**	2.598	0.162
13h	walleye	0	0	32	149.3	92.6	0.9	0.02	0.31	0	1.95	**17.851**	2.233	0.132

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
13i	whitefish	0	0	32	149.3	92.6	0.9	0.02	0.26	0	1.94	**17.607**	2.183	0.128
Bossburg Flat-2011														
14	no fish	0	0	32	332.2	92.6	0.9	0.02	0.23	0	2.51	**35.148**	**7.103**	0.679
14a	burbot	0	0	32	332.2	92.6	0.9	0.02	0.3	0	2.52	**35.515**	**7.238**	0.698
14b	kokanee	0	0	32	332.2	92.6	0.9	0.02	0.24	0	2.51	**35.201**	**7.122**	0.682
14c	northern pike	0	0	32	332.2	92.6	0.9	0.02	0.24	0	2.51	**35.201**	**7.122**	0.682
14d	rainbow trout	0	0	32	332.2	92.6	0.9	0.02	0.3	0	2.52	**35.515**	**7.238**	0.698
14e	smallmouth bass	0	0	32	332.2	92.6	0.9	0.02	0.28	0	2.52	**35.411**	**7.199**	0.693
14f	sturgeon	0	0	32	332.2	92.6	0.9	0.02	0.25	0	2.51	**35.253**	**7.141**	0.684
14g	sucker	0	0	32	332.2	92.6	0.9	0.02	0.66	0	2.58	**37.396**	**7.953**	0.802
14h	walleye	0	0	32	332.2	92.6	0.9	0.02	0.31	0	2.52	**35.568**	**7.257**	0.701
14i	whitefish	0	0	32	332.2	92.6	0.9	0.02	0.26	0	2.51	**35.306**	**7.161**	0.687
Bradbury														
15	no fish	0	0	32	121.3	92.6	0.9	0.02	0.23	0	1.84	**14.993**	1.685	0.089
15a	burbot	0	0	32	121.3	92.6	0.9	0.02	0.3	0	1.85	**15.319**	1.744	0.094
15b	kokanee	0	0	32	121.3	92.6	0.9	0.02	0.24	0	1.84	**15.04**	1.694	0.09
15c	northern pike	0	0	32	121.3	92.6	0.9	0.02	0.24	0	1.84	**15.04**	1.694	0.09
15d	rainbow trout	0	0	32	121.3	92.6	0.9	0.02	0.3	0	1.85	**15.319**	1.744	0.094
15e	smallmouth bass	0	0	32	121.3	92.6	0.9	0.02	0.28	0	1.85	**15.225**	1.727	0.092
15f	sturgeon	0	0	32	121.3	92.6	0.9	0.02	0.25	0	1.85	**15.086**	1.702	0.091
15g	sucker	0	0	32	121.3	92.6	0.9	0.02	0.66	0	1.92	**17.027**	2.068	0.118
15h	walleye	0	0	32	121.3	92.6	0.9	0.02	0.31	0	1.86	**15.365**	1.753	0.094
15i	whitefish	0	0	32	121.3	92.6	0.9	0.02	0.26	0	1.85	**15.132**	1.71	0.091
China Bend														
16	no fish	0	0	32	153.4	92.6	0.9	0.02	0.23	0	1.95	**17.835**	2.229	0.131
16a	burbot	0	0	32	153.4	92.6	0.9	0.02	0.3	0	1.96	**18.178**	2.3	0.137
16b	kokanee	0	0	32	153.4	92.6	0.9	0.02	0.24	0	1.95	**17.884**	2.239	0.132
16c	northern pike	0	0	32	153.4	92.6	0.9	0.02	0.24	0	1.95	**17.884**	2.239	0.132
16d	rainbow trout	0	0	32	153.4	92.6	0.9	0.02	0.3	0	1.96	**18.178**	2.3	0.137
16e	smallmouth bass	0	0	32	153.4	92.6	0.9	0.02	0.28	0	1.95	**18.08**	2.279	0.135
16f	sturgeon	0	0	32	153.4	92.6	0.9	0.02	0.25	0	1.95	**17.933**	2.249	0.133
16g	sucker	0	0	32	153.4	92.6	0.9	0.02	0.66	0	2.02	**19.969**	2.683	0.17
16h	walleye	0	0	32	153.4	92.6	0.9	0.02	0.31	0	1.96	**18.227**	2.31	0.138
16i	whitefish	0	0	32	153.4	92.6	0.9	0.02	0.26	0	1.95	**17.982**	2.259	0.134
Colville Flats														
17	no fish	0	0	32	138.3	92.6	0.9	0.02	0.23	0	1.9	**16.476**	1.961	0.11
17a	burbot	0	0	32	138.3	92.6	0.9	0.02	0.3	0	1.91	**16.811**	2.025	0.115
17b	kokanee	0	0	32	138.3	92.6	0.9	0.02	0.24	0	1.9	**16.524**	1.97	0.111
17c	northern pike	0	0	32	138.3	92.6	0.9	0.02	0.24	0	1.9	**16.524**	1.97	0.111
17d	rainbow trout	0	0	32	138.3	92.6	0.9	0.02	0.3	0	1.91	**16.811**	2.025	0.115
17e	smallmouth bass	0	0	32	138.3	92.6	0.9	0.02	0.28	0	1.91	**16.715**	2.007	0.114
17f	sturgeon	0	0	32	138.3	92.6	0.9	0.02	0.25	0	1.9	**16.571**	1.979	0.111
17g	sucker	0	0	32	138.3	92.6	0.9	0.02	0.66	0	1.97	**18.566**	2.38	0.144
17h	walleye	0	0	32	138.3	92.6	0.9	0.02	0.31	0	1.91	**16.859**	2.035	0.116
17i	whitefish	0	0	32	138.3	92.6	0.9	0.02	0.26	0	1.9	**16.619**	1.988	0.112
Colville River														
18	no fish	0	0	32	112.3	92.6	0.9	0.02	0.23	0	1.81	**14.223**	1.549	0.08
18a	burbot	0	0	32	112.3	92.6	0.9	0.02	0.3	0	1.83	**14.543**	1.605	0.084
18b	kokanee	0	0	32	112.3	92.6	0.9	0.02	0.24	0	1.82	**14.269**	1.557	0.08
18c	northern pike	0	0	32	112.3	92.6	0.9	0.02	0.24	0	1.82	**14.269**	1.557	0.08
18d	rainbow trout	0	0	32	112.3	92.6	0.9	0.02	0.3	0	1.83	**14.543**	1.605	0.084
18e	smallmouth bass	0	0	32	112.3	92.6	0.9	0.02	0.28	0	1.82	**14.451**	1.589	0.082
18f	sturgeon	0	0	32	112.3	92.6	0.9	0.02	0.25	0	1.82	**14.314**	1.565	0.081

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
18g	sucker	0	0	32	112.3	92.6	0.9	0.02	0.66	0	1.89	**16.224**	1.912	0.106
18h	walleye	0	0	32	112.3	92.6	0.9	0.02	0.31	0	1.83	**14.589**	1.613	0.084
18i	whitefish	0	0	32	112.3	92.6	0.9	0.02	0.26	0	1.82	**14.36**	1.573	0.081
Crescent Bay														
19	no fish	0	0	32	110.8	92.6	0.9	0.02	0.23	0	1.81	**14.098**	1.528	0.078
19a	burbot	0	0	32	110.8	92.6	0.9	0.02	0.3	0	1.82	**14.417**	1.583	0.082
19b	kokanee	0	0	32	110.8	92.6	0.9	0.02	0.24	0	1.81	**14.144**	1.536	0.079
19c	northern pike	0	0	32	110.8	92.6	0.9	0.02	0.24	0	1.81	**14.144**	1.536	0.079
19d	rainbow trout	0	0	32	110.8	92.6	0.9	0.02	0.3	0	1.82	**14.417**	1.583	0.082
19e	smallmouth bass	0	0	32	110.8	92.6	0.9	0.02	0.28	0	1.82	**14.325**	1.567	0.081
19f	sturgeon	0	0	32	110.8	92.6	0.9	0.02	0.25	0	1.81	**14.189**	1.544	0.079
19g	sucker	0	0	32	110.8	92.6	0.9	0.02	0.66	0	1.88	**16.093**	1.888	0.104
19h	walleye	0	0	32	110.8	92.6	0.9	0.02	0.31	0	1.82	**14.462**	1.591	0.083
19i	whitefish	0	0	32	110.8	92.6	0.9	0.02	0.26	0	1.81	**14.234**	1.551	0.08
Dallas Orchard														
20	no fish	0	0	32	163.7	92.6	0.9	0.02	0.23	0	1.98	**18.782**	2.426	0.148
20a	burbot	0	0	32	163.7	92.6	0.9	0.02	0.3	0	1.99	**19.13**	2.5	0.154
20b	kokanee	0	0	32	163.7	92.6	0.9	0.02	0.24	0	1.98	**18.832**	2.436	0.148
20c	northern pike	0	0	32	163.7	92.6	0.9	0.02	0.24	0	1.98	**18.832**	2.436	0.148
20d	rainbow trout	0	0	32	163.7	92.6	0.9	0.02	0.3	0	1.99	**19.13**	2.5	0.154
20e	smallmouth bass	0	0	32	163.7	92.6	0.9	0.02	0.28	0	1.99	**19.03**	2.479	0.152
20f	sturgeon	0	0	32	163.7	92.6	0.9	0.02	0.25	0	1.98	**18.881**	2.447	0.149
20g	sucker	0	0	32	163.7	92.6	0.9	0.02	0.66	0	2.05	**20.942**	2.903	0.189
20h	walleye	0	0	32	163.7	92.6	0.9	0.02	0.31	0	1.99	**19.18**	2.511	0.155
20i	whitefish	0	0	32	163.7	92.6	0.9	0.02	0.26	0	1.98	**18.931**	2.457	0.15
Enterprise														
21	no fish	0	0	32	112.1	92.6	0.9	0.02	0.23	0	1.81	**14.202**	1.546	0.079
21a	burbot	0	0	32	112.1	92.6	0.9	0.02	0.3	0	1.83	**14.521**	1.601	0.083
21b	kokanee	0	0	32	112.1	92.6	0.9	0.02	0.24	0	1.81	**14.248**	1.554	0.08
21c	northern pike	0	0	32	112.1	92.6	0.9	0.02	0.24	0	1.81	**14.248**	1.554	0.08
21d	rainbow trout	0	0	32	112.1	92.6	0.9	0.02	0.3	0	1.83	**14.521**	1.601	0.083
21e	smallmouth bass	0	0	32	112.1	92.6	0.9	0.02	0.28	0	1.82	**14.43**	1.585	0.082
21f	sturgeon	0	0	32	112.1	92.6	0.9	0.02	0.25	0	1.82	**14.293**	1.562	0.081
21g	sucker	0	0	32	112.1	92.6	0.9	0.02	0.66	0	1.89	**16.201**	1.908	0.106
21h	walleye	0	0	32	112.1	92.6	0.9	0.02	0.31	0	1.83	**14.567**	1.61	0.084
21i	whitefish	0	0	32	112.1	92.6	0.9	0.02	0.26	0	1.82	**14.339**	1.57	0.081
Evans Campground-2011														
22	no fish	0	0	32	149.3	92.6	0.9	0.02	0.23	0	1.93	**17.463**	2.154	0.125
22a	burbot	0	0	32	149.3	92.6	0.9	0.02	0.3	0	1.94	**17.804**	2.223	0.131
22b	kokanee	0	0	32	149.3	92.6	0.9	0.02	0.24	0	1.93	**17.512**	2.164	0.126
22c	northern pike	0	0	32	149.3	92.6	0.9	0.02	0.24	0	1.93	**17.512**	2.164	0.126
22d	rainbow trout	0	0	32	149.3	92.6	0.9	0.02	0.3	0	1.94	**17.804**	2.223	0.131
22e	smallmouth bass	0	0	32	149.3	92.6	0.9	0.02	0.28	0	1.94	**17.707**	2.203	0.129
22f	sturgeon	0	0	32	149.3	92.6	0.9	0.02	0.25	0	1.94	**17.561**	2.174	0.127
22g	sucker	0	0	32	149.3	92.6	0.9	0.02	0.66	0	2.01	**19.586**	2.599	0.162
22h	walleye	0	0	32	149.3	92.6	0.9	0.02	0.31	0	1.95	**17.853**	2.233	0.132
22i	whitefish	0	0	32	149.3	92.6	0.9	0.02	0.26	0	1.94	**17.609**	2.184	0.128
Flat Creek														
23	no fish	0	0	32	141.4	92.6	0.9	0.02	0.23	0	1.91	**16.752**	2.014	0.114
23a	burbot	0	0	32	141.4	92.6	0.9	0.02	0.3	0	1.92	**17.089**	2.08	0.119
23b	kokanee	0	0	32	141.4	92.6	0.9	0.02	0.24	0	1.91	**16.8**	2.023	0.115
23c	northern pike	0	0	32	141.4	92.6	0.9	0.02	0.24	0	1.91	**16.8**	2.023	0.115
23d	rainbow trout	0	0	32	141.4	92.6	0.9	0.02	0.3	0	1.92	**17.089**	2.08	0.119

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
23e	smallmouth bass	0	0	32	141.4	92.6	0.9	0.02	0.28	0	1.92	**16.992**	2.061	0.118
23f	sturgeon	0	0	32	141.4	92.6	0.9	0.02	0.25	0	1.91	**16.848**	2.033	0.116
23g	sucker	0	0	32	141.4	92.6	0.9	0.02	0.66	0	1.98	**18.851**	2.441	0.149
23h	walleye	0	0	32	141.4	92.6	0.9	0.02	0.31	0	1.92	**17.137**	2.089	0.12
23i	whitefish	0	0	32	141.4	92.6	0.9	0.02	0.26	0	1.91	**16.896**	2.042	0.116
Hawk Creek														
24	no fish	0	0	32	111.3	92.6	0.9	0.02	0.23	0	1.81	**14.136**	1.534	0.079
24a	burbot	0	0	32	111.3	92.6	0.9	0.02	0.3	0	1.82	**14.455**	1.59	0.082
24b	kokanee	0	0	32	111.3	92.6	0.9	0.02	0.24	0	1.81	**14.182**	1.542	0.079
24c	northern pike	0	0	32	111.3	92.6	0.9	0.02	0.24	0	1.81	**14.182**	1.542	0.079
24d	rainbow trout	0	0	32	111.3	92.6	0.9	0.02	0.3	0	1.82	**14.455**	1.59	0.082
24e	smallmouth bass	0	0	32	111.3	92.6	0.9	0.02	0.28	0	1.82	**14.364**	1.574	0.081
24f	sturgeon	0	0	32	111.3	92.6	0.9	0.02	0.25	0	1.81	**14.227**	1.55	0.08
24g	sucker	0	0	32	111.3	92.6	0.9	0.02	0.66	0	1.88	**16.133**	1.895	0.105
24h	walleye	0	0	32	111.3	92.6	0.9	0.02	0.31	0	1.82	**14.501**	1.598	0.083
24i	whitefish	0	0	32	111.3	92.6	0.9	0.02	0.26	0	1.82	**14.272**	1.558	0.08
Hunters														
25	no fish	0	0	32	112.4	92.6	0.9	0.02	0.23	0	1.81	**14.231**	1.551	0.08
25a	burbot	0	0	32	112.4	92.6	0.9	0.02	0.3	0	1.83	**14.55**	1.607	0.084
25b	kokanee	0	0	32	112.4	92.6	0.9	0.02	0.24	0	1.82	**14.276**	1.559	0.08
25c	northern pike	0	0	32	112.4	92.6	0.9	0.02	0.24	0	1.82	**14.276**	1.559	0.08
25d	rainbow trout	0	0	32	112.4	92.6	0.9	0.02	0.3	0	1.83	**14.55**	1.607	0.084
25e	smallmouth bass	0	0	32	112.4	92.6	0.9	0.02	0.28	0	1.82	**14.459**	1.591	0.083
25f	sturgeon	0	0	32	112.4	92.6	0.9	0.02	0.25	0	1.82	**14.322**	1.567	0.081
25g	sucker	0	0	32	112.4	92.6	0.9	0.02	0.66	0	1.89	**16.231**	1.914	0.106
25h	walleye	0	0	32	112.4	92.6	0.9	0.02	0.31	0	1.83	**14.596**	1.615	0.084
25i	whitefish	0	0	32	112.4	92.6	0.9	0.02	0.26	0	1.82	**14.367**	1.575	0.081
Jones Bay														
26	no fish	0	0	32	111	92.6	0.9	0.02	0.23	0	1.81	**14.117**	1.531	0.078
26a	burbot	0	0	32	111	92.6	0.9	0.02	0.3	0	1.82	**14.435**	1.586	0.082
26b	kokanee	0	0	32	111	92.6	0.9	0.02	0.24	0	1.81	**14.162**	1.539	0.079
26c	northern pike	0	0	32	111	92.6	0.9	0.02	0.24	0	1.81	**14.162**	1.539	0.079
26d	rainbow trout	0	0	32	111	92.6	0.9	0.02	0.3	0	1.82	**14.435**	1.586	0.082
26e	smallmouth bass	0	0	32	111	92.6	0.9	0.02	0.28	0	1.82	**14.344**	1.57	0.081
26f	sturgeon	0	0	32	111	92.6	0.9	0.02	0.25	0	1.81	**14.208**	1.547	0.079
26g	sucker	0	0	32	111	92.6	0.9	0.02	0.66	0	1.88	**16.112**	1.891	0.105
26h	walleye	0	0	32	111	92.6	0.9	0.02	0.31	0	1.82	**14.481**	1.594	0.083
26i	whitefish	0	0	32	111	92.6	0.9	0.02	0.26	0	1.82	**14.253**	1.555	0.08
Kamloops Island														
27	no fish	0	0	32	113.2	92.6	0.9	0.02	0.23	0	1.82	**14.3**	1.563	0.081
27a	burbot	0	0	32	113.2	92.6	0.9	0.02	0.3	0	1.83	**14.62**	1.619	0.085
27b	kokanee	0	0	32	113.2	92.6	0.9	0.02	0.24	0	1.82	**14.346**	1.571	0.081
27c	northern pike	0	0	32	113.2	92.6	0.9	0.02	0.24	0	1.82	**14.346**	1.571	0.081
27d	rainbow trout	0	0	32	113.2	92.6	0.9	0.02	0.3	0	1.83	**14.62**	1.619	0.085
27e	smallmouth bass	0	0	32	113.2	92.6	0.9	0.02	0.28	0	1.83	**14.529**	1.603	0.083
27f	sturgeon	0	0	32	113.2	92.6	0.9	0.02	0.25	0	1.82	**14.391**	1.579	0.082
27g	sucker	0	0	32	113.2	92.6	0.9	0.02	0.66	0	1.89	**16.304**	1.928	0.107
27h	walleye	0	0	32	113.2	92.6	0.9	0.02	0.31	0	1.83	**14.666**	1.627	0.085
27i	whitefish	0	0	32	113.2	92.6	0.9	0.02	0.26	0	1.82	**14.437**	1.587	0.082
Kettle Falls														
28	no fish	0	0	32	111.9	92.6	0.9	0.02	0.23	0	1.81	**14.188**	1.543	0.079
28a	burbot	0	0	32	111.9	92.6	0.9	0.02	0.3	0	1.82	**14.508**	1.599	0.083
28b	kokanee	0	0	32	111.9	92.6	0.9	0.02	0.24	0	1.81	**14.234**	1.551	0.08

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
28c	northern pike	0	0	32	111.9	92.6	0.9	0.02	0.24	0	1.81	**14.234**	1.551	0.08
28d	rainbow trout	0	0	32	111.9	92.6	0.9	0.02	0.3	0	1.82	**14.508**	1.599	0.083
28e	smallmouth bass	0	0	32	111.9	92.6	0.9	0.02	0.28	0	1.82	**14.416**	1.583	0.082
28f	sturgeon	0	0	32	111.9	92.6	0.9	0.02	0.25	0	1.82	**14.279**	1.559	0.08
28g	sucker	0	0	32	111.9	92.6	0.9	0.02	0.66	0	1.89	**16.187**	1.906	0.106
2h8	walleye	0	0	32	111.9	92.6	0.9	0.02	0.31	0	1.83	**14.554**	1.607	0.084
i28	whitefish	0	0	32	111.9	92.6	0.9	0.02	0.26	0	1.82	**14.325**	1.567	0.081
Lyons Island														
29	no fish	0	0	32	124.4	92.6	0.9	0.02	0.23	0	1.85	**15.257**	1.733	0.093
29a	burbot	0	0	32	124.4	92.6	0.9	0.02	0.3	0	1.86	**15.584**	1.793	0.097
29b	kokanee	0	0	32	124.4	92.6	0.9	0.02	0.24	0	1.85	**15.303**	1.741	0.093
29c	northern pike	0	0	32	124.4	92.6	0.9	0.02	0.24	0	1.85	**15.303**	1.741	0.093
29d	rainbow trout	0	0	32	124.4	92.6	0.9	0.02	0.3	0	1.86	**15.584**	1.793	0.097
29e	smallmouth bass	0	0	32	124.4	92.6	0.9	0.02	0.28	0	1.86	**15.49**	1.776	0.096
29f	sturgeon	0	0	32	124.4	92.6	0.9	0.02	0.25	0	1.86	**15.35**	1.75	0.094
29g	sucker	0	0	32	124.4	92.6	0.9	0.02	0.66	0	1.93	**17.301**	2.122	0.123
29h	walleye	0	0	32	124.4	92.6	0.9	0.02	0.31	0	1.87	**15.631**	1.801	0.098
29i	whitefish	0	0	32	124.4	92.6	0.9	0.02	0.26	0	1.86	**15.397**	1.758	0.095
McGuires														
30	no fish	0	0	32	111.3	92.6	0.9	0.02	0.23	0	1.81	**14.142**	1.535	0.079
30a	burbot	0	0	32	111.3	92.6	0.9	0.02	0.3	0	1.82	**14.461**	1.591	0.083
30b	kokanee	0	0	32	111.3	92.6	0.9	0.02	0.24	0	1.81	**14.187**	1.543	0.079
30c	northern pike	0	0	32	111.3	92.6	0.9	0.02	0.24	0	1.81	**14.187**	1.543	0.079
30d	rainbow trout	0	0	32	111.3	92.6	0.9	0.02	0.3	0	1.82	**14.461**	1.591	0.083
30e	smallmouth bass	0	0	32	111.3	92.6	0.9	0.02	0.28	0	1.82	**14.37**	1.575	0.081
30f	sturgeon	0	0	32	111.3	92.6	0.9	0.02	0.25	0	1.81	**14.233**	1.551	0.08
30g	sucker	0	0	32	111.3	92.6	0.9	0.02	0.66	0	1.88	**16.139**	1.896	0.105
30h	walleye	0	0	32	111.3	92.6	0.9	0.02	0.31	0	1.82	**14.507**	1.599	0.083
30i	whitefish	0	0	32	111.3	92.6	0.9	0.02	0.26	0	1.82	**14.278**	1.559	0.08
Mitchell Point														
31	no fish	0	0	32	111.6	92.6	0.9	0.02	0.23	0	1.81	**14.166**	1.54	0.079
31a	burbot	0	0	32	111.6	92.6	0.9	0.02	0.3	0	1.82	**14.485**	1.595	0.083
31b	kokanee	0	0	32	111.6	92.6	0.9	0.02	0.24	0	1.81	**14.211**	1.547	0.08
31c	northern pike	0	0	32	111.6	92.6	0.9	0.02	0.24	0	1.81	**14.211**	1.547	0.08
31d	rainbow trout	0	0	32	111.6	92.6	0.9	0.02	0.3	0	1.82	**14.485**	1.595	0.083
31e	smallmouth bass	0	0	32	111.6	92.6	0.9	0.02	0.28	0	1.82	**14.393**	1.579	0.082
31f	sturgeon	0	0	32	111.6	92.6	0.9	0.02	0.25	0	1.82	**14.257**	1.555	0.08
31g	sucker	0	0	32	111.6	92.6	0.9	0.02	0.66	0	1.89	**16.163**	1.901	0.105
31h	walleye	0	0	32	111.6	92.6	0.9	0.02	0.31	0	1.83	**14.531**	1.603	0.083
31i	whitefish	0	0	32	111.6	92.6	0.9	0.02	0.26	0	1.82	**14.302**	1.563	0.081
Naborlee														
32	no fish	0	0	32	114.4	92.6	0.9	0.02	0.23	0	1.82	**14.402**	1.581	0.082
32a	burbot	0	0	32	114.4	92.6	0.9	0.02	0.3	0	1.83	**14.723**	1.637	0.086
32b	kokanee	0	0	32	114.4	92.6	0.9	0.02	0.24	0	1.82	**14.448**	1.589	0.082
32c	northern pike	0	0	32	114.4	92.6	0.9	0.02	0.24	0	1.82	**14.448**	1.589	0.082
32d	rainbow trout	0	0	32	114.4	92.6	0.9	0.02	0.3	0	1.83	**14.723**	1.637	0.086
32e	smallmouth bass	0	0	32	114.4	92.6	0.9	0.02	0.28	0	1.83	**14.631**	1.621	0.085
32f	sturgeon	0	0	32	114.4	92.6	0.9	0.02	0.25	0	1.82	**14.493**	1.597	0.083
32g	sucker	0	0	32	114.4	92.6	0.9	0.02	0.66	0	1.89	**16.41**	1.948	0.109
32h	walleye	0	0	32	114.4	92.6	0.9	0.02	0.31	0	1.83	**14.769**	1.645	0.086
32i	whitefish	0	0	32	114.4	92.6	0.9	0.02	0.26	0	1.83	**14.539**	1.605	0.084
Nez Perce														
33	no fish	0	0	32	111.6	92.6	0.9	0.02	0.23	0	1.81	**14.16**	1.539	0.079

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
33a	burbot	0	0	32	111.6	92.6	0.9	0.02	0.3	0	1.82	**14.479**	1.594	0.083
33b	kokanee	0	0	32	111.6	92.6	0.9	0.02	0.24	0	1.81	**14.205**	1.546	0.079
33c	northern pike	0	0	32	111.6	92.6	0.9	0.02	0.24	0	1.81	**14.205**	1.546	0.079
33d	rainbow trout	0	0	32	111.6	92.6	0.9	0.02	0.3	0	1.82	**14.479**	1.594	0.083
33e	smallmouth bass	0	0	32	111.6	92.6	0.9	0.02	0.28	0	1.82	**14.387**	1.578	0.082
33f	sturgeon	0	0	32	111.6	92.6	0.9	0.02	0.25	0	1.82	**14.251**	1.554	0.08
33g	sucker	0	0	32	111.6	92.6	0.9	0.02	0.66	0	1.89	**16.157**	1.9	0.105
33h	walleye	0	0	32	111.6	92.6	0.9	0.02	0.31	0	1.83	**14.525**	1.602	0.083
33i	whitefish	0	0	32	111.6	92.6	0.9	0.02	0.26	0	1.82	**14.296**	1.562	0.081
Northport Beach														
34	no fish	0	0	32	156.4	92.6	0.9	0.02	0.23	0	1.95	**18.107**	2.285	0.136
34a	burbot	0	0	32	156.4	92.6	0.9	0.02	0.3	0	1.97	**18.451**	2.356	0.142
34b	kokanee	0	0	32	156.4	92.6	0.9	0.02	0.24	0	1.96	**18.156**	2.295	0.137
34c	northern pike	0	0	32	156.4	92.6	0.9	0.02	0.24	0	1.96	**18.156**	2.295	0.137
34d	rainbow trout	0	0	32	156.4	92.6	0.9	0.02	0.3	0	1.97	**18.451**	2.356	0.142
34e	smallmouth bass	0	0	32	156.4	92.6	0.9	0.02	0.28	0	1.96	**18.352**	2.336	0.14
34f	sturgeon	0	0	32	156.4	92.6	0.9	0.02	0.25	0	1.96	**18.205**	2.305	0.137
34g	sucker	0	0	32	156.4	92.6	0.9	0.02	0.66	0	2.03	**20.248**	2.745	0.175
34h	walleye	0	0	32	156.4	92.6	0.9	0.02	0.31	0	1.97	**18.5**	2.367	0.143
34i	whitefish	0	0	32	156.4	92.6	0.9	0.02	0.26	0	1.96	**18.254**	2.315	0.138
R.V. Park														
35	no fish	0	0	32	148.6	92.6	0.9	0.02	0.23	0	1.93	**17.398**	2.141	0.124
35a	burbot	0	0	32	148.6	92.6	0.9	0.02	0.3	0	1.94	**17.738**	2.21	0.13
35b	kokanee	0	0	32	148.6	92.6	0.9	0.02	0.24	0	1.93	**17.446**	2.151	0.125
35c	northern pike	0	0	32	148.6	92.6	0.9	0.02	0.24	0	1.93	**17.446**	2.151	0.125
35d	rainbow trout	0	0	32	148.6	92.6	0.9	0.02	0.3	0	1.94	**17.738**	2.21	0.13
35e	smallmouth bass	0	0	32	148.6	92.6	0.9	0.02	0.28	0	1.94	**17.641**	2.19	0.128
35f	sturgeon	0	0	32	148.6	92.6	0.9	0.02	0.25	0	1.93	**17.495**	2.161	0.126
35g	sucker	0	0	32	148.6	92.6	0.9	0.02	0.66	0	2	**19.518**	2.584	0.161
35h	walleye	0	0	32	148.6	92.6	0.9	0.02	0.31	0	1.94	**17.787**	2.22	0.13
35i	whitefish	0	0	32	148.6	92.6	0.9	0.02	0.26	0	1.94	**17.543**	2.17	0.126
Seven Bays														
36	no fish	0	0	32	110.9	92.6	0.9	0.02	0.23	0	1.81	**14.109**	1.53	0.078
36a	burbot	0	0	32	110.9	92.6	0.9	0.02	0.3	0	1.82	**14.428**	1.585	0.082
36b	kokanee	0	0	32	110.9	92.6	0.9	0.02	0.24	0	1.81	**14.155**	1.538	0.079
36c	northern pike	0	0	32	110.9	92.6	0.9	0.02	0.24	0	1.81	**14.155**	1.538	0.079
36d	rainbow trout	0	0	32	110.9	92.6	0.9	0.02	0.3	0	1.82	**14.428**	1.585	0.082
36e	smallmouth bass	0	0	32	110.9	92.6	0.9	0.02	0.28	0	1.82	**14.336**	1.569	0.081
36f	sturgeon	0	0	32	110.9	92.6	0.9	0.02	0.25	0	1.81	**14.2**	1.545	0.079
36g	sucker	0	0	32	110.9	92.6	0.9	0.02	0.66	0	1.88	**16.104**	1.89	0.105
36h	walleye	0	0	32	110.9	92.6	0.9	0.02	0.31	0	1.82	**14.473**	1.593	0.083
36i	whitefish	0	0	32	110.9	92.6	0.9	0.02	0.26	0	1.81	**14.245**	1.553	0.08
Spring Canyon														
37	no fish	0	0	32	111.2	92.6	0.9	0.02	0.23	0	1.81	**14.134**	1.534	0.079
37a	burbot	0	0	32	111.2	92.6	0.9	0.02	0.3	0	1.82	**14.452**	1.589	0.082
37b	kokanee	0	0	32	111.2	92.6	0.9	0.02	0.24	0	1.81	**14.179**	1.542	0.079
37c	northern pike	0	0	32	111.2	92.6	0.9	0.02	0.24	0	1.81	**14.179**	1.542	0.079
37d	rainbow trout	0	0	32	111.2	92.6	0.9	0.02	0.3	0	1.82	**14.452**	1.589	0.082
37e	smallmouth bass	0	0	32	111.2	92.6	0.9	0.02	0.28	0	1.82	**14.361**	1.573	0.081
37f	sturgeon	0	0	32	111.2	92.6	0.9	0.02	0.25	0	1.81	**14.224**	1.55	0.08
37g	sucker	0	0	32	111.2	92.6	0.9	0.02	0.66	0	1.88	**16.13**	1.895	0.105
37h	walleye	0	0	32	111.2	92.6	0.9	0.02	0.31	0	1.82	**14.498**	1.597	0.083
37i	whitefish	0	0	32	111.2	92.6	0.9	0.02	0.26	0	1.82	**14.27**	1.558	0.08

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
Summer Island														
38	no fish	0	0	32	158.9	92.6	0.9	0.02	0.23	0	1.96	**18.334**	2.332	0.14
38a	burbot	0	0	32	158.9	92.6	0.9	0.02	0.3	0	1.97	**18.68**	2.404	0.146
38b	kokanee	0	0	32	158.9	92.6	0.9	0.02	0.24	0	1.96	**18.384**	2.342	0.141
38c	northern pike	0	0	32	158.9	92.6	0.9	0.02	0.24	0	1.96	**18.384**	2.342	0.141
38d	rainbow trout	0	0	32	158.9	92.6	0.9	0.02	0.3	0	1.97	**18.68**	2.404	0.146
38e	smallmouth bass	0	0	32	158.9	92.6	0.9	0.02	0.28	0	1.97	**18.581**	2.383	0.144
38f	sturgeon	0	0	32	158.9	92.6	0.9	0.02	0.25	0	1.97	**18.433**	2.353	0.141
38g	sucker	0	0	32	158.9	92.6	0.9	0.02	0.66	0	2.04	**20.483**	2.798	0.18
38h	walleye	0	0	32	158.9	92.6	0.9	0.02	0.31	0	1.98	**18.729**	2.415	0.147
38i	whitefish	0	0	32	158.9	92.6	0.9	0.02	0.26	0	1.97	**18.482**	2.363	0.142
Swawilla Basin														
39	no fish	0	0	32	111.3	92.6	0.9	0.02	0.23	0	1.81	**14.135**	1.534	0.079
39a	burbot	0	0	32	111.3	92.6	0.9	0.02	0.3	0	1.82	**14.454**	1.59	0.082
39b	kokanee	0	0	32	111.3	92.6	0.9	0.02	0.24	0	1.81	**14.181**	1.542	0.079
39c	northern pike	0	0	32	111.3	92.6	0.9	0.02	0.24	0	1.81	**14.181**	1.542	0.079
39d	rainbow trout	0	0	32	111.3	92.6	0.9	0.02	0.3	0	1.82	**14.454**	1.59	0.082
39e	smallmouth bass	0	0	32	111.3	92.6	0.9	0.02	0.28	0	1.82	**14.363**	1.574	0.081
39f	sturgeon	0	0	32	111.3	92.6	0.9	0.02	0.25	0	1.81	**14.226**	1.55	0.08
39g	sucker	0	0	32	111.3	92.6	0.9	0.02	0.66	0	1.88	**16.132**	1.895	0.105
39h	walleye	0	0	32	111.3	92.6	0.9	0.02	0.31	0	1.82	**14.5**	1.598	0.083
39i	whitefish	0	0	32	111.3	92.6	0.9	0.02	0.26	0	1.82	**14.272**	1.558	0.08
Swimming Hole														
40	no fish	0	0	32	134	92.6	0.9	0.02	0.23	0	1.88	**16.1**	1.889	0.104
40a	burbot	0	0	32	134	92.6	0.9	0.02	0.3	0	1.9	**16.433**	1.952	0.109
40b	kokanee	0	0	32	134	92.6	0.9	0.02	0.24	0	1.89	**16.147**	1.898	0.105
40c	northern pike	0	0	32	134	92.6	0.9	0.02	0.24	0	1.89	**16.147**	1.898	0.105
40d	rainbow trout	0	0	32	134	92.6	0.9	0.02	0.3	0	1.9	**16.433**	1.952	0.109
40e	smallmouth bass	0	0	32	134	92.6	0.9	0.02	0.28	0	1.89	**16.337**	1.934	0.108
40f	sturgeon	0	0	32	134	92.6	0.9	0.02	0.25	0	1.89	**16.195**	1.907	0.106
40g	sucker	0	0	32	134	92.6	0.9	0.02	0.66	0	1.96	**18.176**	2.299	0.137
40h	walleye	0	0	32	134	92.6	0.9	0.02	0.31	0	1.9	**16.48**	1.962	0.11
40i	whitefish	0	0	32	134	92.6	0.9	0.02	0.26	0	1.89	**16.242**	1.916	0.107
Welty Bay														
41	no fish	0	0	32	121.2	92.6	0.9	0.02	0.23	0	1.84	**14.981**	1.683	0.089
41a	burbot	0	0	32	121.2	92.6	0.9	0.02	0.3	0	1.85	**15.307**	1.742	0.093
41b	kokanee	0	0	32	121.2	92.6	0.9	0.02	0.24	0	1.84	**15.028**	1.691	0.09
41c	northern pike	0	0	32	121.2	92.6	0.9	0.02	0.24	0	1.84	**15.028**	1.691	0.09
41d	rainbow trout	0	0	32	121.2	92.6	0.9	0.02	0.3	0	1.85	**15.307**	1.742	0.093
41e	smallmouth bass	0	0	32	121.2	92.6	0.9	0.02	0.28	0	1.85	**15.213**	1.725	0.092
41f	sturgeon	0	0	32	121.2	92.6	0.9	0.02	0.25	0	1.85	**15.074**	1.7	0.09
41g	sucker	0	0	32	121.2	92.6	0.9	0.02	0.66	0	1.92	**17.014**	2.065	0.118
41h	walleye	0	0	32	121.2	92.6	0.9	0.02	0.31	0	1.86	**15.353**	1.75	0.094
41i	whitefish	0	0	32	121.2	92.6	0.9	0.02	0.26	0	1.85	**15.12**	1.708	0.091
Whitestone Campground														
42	no fish	0	0	32	111.4	92.6	0.9	0.02	0.23	0	1.81	**14.15**	1.537	0.079
42a	burbot	0	0	32	111.4	92.6	0.9	0.02	0.3	0	1.82	**14.469**	1.592	0.083
42b	kokanee	0	0	32	111.4	92.6	0.9	0.02	0.24	0	1.81	**14.195**	1.545	0.079
42c	northern pike	0	0	32	111.4	92.6	0.9	0.02	0.24	0	1.81	**14.195**	1.545	0.079
42d	rainbow trout	0	0	32	111.4	92.6	0.9	0.02	0.3	0	1.82	**14.469**	1.592	0.083
42e	smallmouth bass	0	0	32	111.4	92.6	0.9	0.02	0.28	0	1.82	**14.377**	1.576	0.082
42f	sturgeon	0	0	32	111.4	92.6	0.9	0.02	0.25	0	1.81	**14.241**	1.553	0.08
42g	sucker	0	0	32	111.4	92.6	0.9	0.02	0.66	0	1.89	**16.147**	1.898	0.105

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
42h	walleye	0	0	32	111.4	92.6	0.9	0.02	0.31	0	1.83	**14.514**	1.6	0.083
42i	whitefish	0	0	32	111.4	92.6	0.9	0.02	0.26	0	1.82	**14.286**	1.56	0.08
Wilmont Creek														
43	no fish	0	0	32	114.6	92.6	0.9	0.02	0.23	0	1.82	**14.419**	1.584	0.082
43a	burbot	0	0	32	114.6	92.6	0.9	0.02	0.3	0	1.83	**14.74**	1.64	0.086
43b	kokanee	0	0	32	114.6	92.6	0.9	0.02	0.24	0	1.82	**14.465**	1.592	0.083
43c	northern pike	0	0	32	114.6	92.6	0.9	0.02	0.24	0	1.82	**14.465**	1.592	0.083
43d	rainbow trout	0	0	32	114.6	92.6	0.9	0.02	0.3	0	1.83	**14.74**	1.64	0.086
43e	smallmouth bass	0	0	32	114.6	92.6	0.9	0.02	0.28	0	1.83	**14.648**	1.624	0.085
43f	sturgeon	0	0	32	114.6	92.6	0.9	0.02	0.25	0	1.82	**14.511**	1.6	0.083
43g	sucker	0	0	32	114.6	92.6	0.9	0.02	0.66	0	1.9	**16.428**	1.952	0.109
43h	walleye	0	0	32	114.6	92.6	0.9	0.02	0.31	0	1.84	**14.786**	1.648	0.087
43i	whitefish	0	0	32	114.6	92.6	0.9	0.02	0.26	0	1.83	**14.556**	1.608	0.084

Lead Risk Calculations for Child Recreational Visitors at Bossburg Flat Beach UDUs, with Fish Consumption

UDU	Fish	Beach Trips			Boat Trips			Camping		
		P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)
UDU-01-ICS	Burbot	**19.459**	2.571	0.16	**19.359**	2.549	0.158	**20.011**	2.692	0.171
UDU-01-ICS	Kokanee	**19.16**	2.506	0.154	**19.06**	2.485	0.153	**19.709**	2.626	0.165
UDU-01-ICS	N. Pike	**19.16**	2.506	0.154	**19.06**	2.485	0.153	**19.709**	2.626	0.165
UDU-01-ICS	Rainbow Trout	**19.459**	2.571	0.16	**19.359**	2.549	0.158	**20.011**	2.692	0.171
UDU-01-ICS	SM Bass	**19.359**	2.549	0.158	**19.259**	2.528	0.156	**19.91**	2.67	0.169
UDU-01-ICS	Sturgeon	**19.209**	2.517	0.155	**19.11**	2.496	0.153	**19.76**	2.637	0.166
UDU-01-ICS	Sucker	**21.278**	2.981	0.197	**21.176**	2.957	0.194	**21.841**	3.113	0.209
UDU-01-ICS	Walleye	**19.509**	2.582	0.161	**19.409**	2.56	0.159	**20.061**	2.703	0.172
UDU-01-ICS	Whitefish	**19.259**	2.528	0.156	**19.16**	2.506	0.154	**19.81**	2.648	0.167
UDU-02-ICS	Burbot	**21.828**	3.11	0.209	**21.726**	3.086	0.206	**22.394**	3.246	0.222
UDU-02-ICS	Kokanee	**21.521**	3.037	0.202	**21.419**	3.013	0.2	**22.085**	3.171	0.214
UDU-02-ICS	N. Pike	**21.521**	3.037	0.202	**21.419**	3.013	0.2	**22.085**	3.171	0.214
UDU-02-ICS	Rainbow Trout	**21.828**	3.11	0.209	**21.726**	3.086	0.206	**22.394**	3.246	0.222
UDU-02-ICS	SM Bass	**21.726**	3.086	0.206	**21.623**	3.062	0.204	**22.291**	3.221	0.219
UDU-02-ICS	Sturgeon	**21.572**	3.049	0.203	**21.47**	3.025	0.201	**22.137**	3.184	0.216
UDU-02-ICS	Sucker	**23.689**	3.568	0.253	**23.585**	3.541	0.25	**24.262**	3.715	0.268
UDU-02-ICS	Walleye	**21.88**	3.122	0.21	**21.777**	3.098	0.207	**22.446**	3.259	0.223
UDU-02-ICS	Whitefish	**21.623**	3.062	0.204	**21.521**	3.037	0.202	**22.188**	3.196	0.217
UDU-03-ICS	Burbot	**18.529**	2.373	0.143	**18.43**	2.352	0.141	**19.074**	2.488	0.153
UDU-03-ICS	Kokanee	**18.233**	2.311	0.138	**18.135**	2.291	0.136	**18.776**	2.425	0.147
UDU-03-ICS	N. Pike	**18.233**	2.311	0.138	**18.135**	2.291	0.136	**18.776**	2.425	0.147
UDU-03-ICS	Rainbow Trout	**18.529**	2.373	0.143	**18.43**	2.352	0.141	**19.074**	2.488	0.153
UDU-03-ICS	SM Bass	**18.43**	2.352	0.141	**18.332**	2.331	0.14	**18.975**	2.467	0.151
UDU-03-ICS	Sturgeon	**18.282**	2.321	0.139	**18.184**	2.301	0.137	**18.826**	2.435	0.148
UDU-03-ICS	Sucker	**20.328**	2.763	0.177	**20.227**	2.74	0.175	**20.885**	2.89	0.188
UDU-03-ICS	Walleye	**18.578**	2.383	0.144	**18.479**	2.362	0.142	**19.124**	2.499	0.154
UDU-03-ICS	Whitefish	**18.332**	2.331	0.14	**18.233**	2.311	0.138	**18.875**	2.446	0.149
UDU-04-ICS	Burbot	**70.812**	**29.496**	**6.191**	**70.753**	**29.437**	**6.17**	**71.135**	**29.822**	**6.307**
UDU-04-ICS	Kokanee	**70.635**	**29.318**	**6.128**	**70.575**	**29.259**	**6.107**	**70.959**	**29.644**	**6.243**
UDU-04-ICS	N. Pike	**70.635**	**29.318**	**6.128**	**70.575**	**29.259**	**6.107**	**70.959**	**29.644**	**6.243**
UDU-04-ICS	Rainbow Trout	**70.812**	**29.496**	**6.191**	**70.753**	**29.437**	**6.17**	**71.135**	**29.822**	**6.307**
UDU-04-ICS	SM Bass	**70.753**	**29.437**	**6.17**	**70.694**	**29.377**	**6.149**	**71.076**	**29.763**	**6.286**
UDU-04-ICS	Sturgeon	**70.664**	**29.348**	**6.138**	**70.605**	**29.288**	**6.118**	**70.989**	**29.674**	**6.254**
UDU-04-ICS	Sucker	**71.856**	**30.563**	**6.574**	**71.799**	**30.504**	**6.553**	**72.169**	**30.889**	**6.694**
UDU-04-ICS	Walleye	**70.842**	**29.526**	**6.201**	**70.783**	**29.466**	**6.18**	**71.164**	**29.852**	**6.317**
UDU-04-ICS	Whitefish	**70.694**	**29.377**	**6.149**	**70.635**	**29.318**	**6.128**	**71.018**	**29.704**	**6.264**
UDU-05-ICS	Burbot	**15.055**	1.696	0.09	**14.963**	1.68	0.089	**15.568**	1.79	0.097
UDU-05-ICS	Kokanee	**14.778**	1.647	0.087	**14.686**	1.63	0.085	**15.288**	1.739	0.093
UDU-05-ICS	N. Pike	**14.778**	1.647	0.087	**14.686**	1.63	0.085	**15.288**	1.739	0.093
UDU-05-ICS	Rainbow Trout	**15.055**	1.696	0.09	**14.963**	1.68	0.089	**15.568**	1.79	0.097
UDU-05-ICS	SM Bass	**14.963**	1.68	0.089	**14.87**	1.663	0.088	**15.475**	1.773	0.096
UDU-05-ICS	Sturgeon	**14.824**	1.655	0.087	**14.732**	1.639	0.086	**15.334**	1.747	0.094
UDU-05-ICS	Sucker	**16.755**	2.015	0.114	**16.659**	1.996	0.113	**17.285**	2.119	0.122

Lead Risk Calculations for Child Recreational Visitors at Bossburg Flat Beach UDUs, with Fish Consumption

UDU	Fish	Beach Trips			Boat Trips			Camping		
		P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)
UDU-05-ICS	Walleye	**15.102**	1.705	0.091	**15.009**	1.688	0.09	**15.615**	1.799	0.098
UDU-05-ICS	Whitefish	**14.87**	1.663	0.088	**14.778**	1.647	0.087	**15.381**	1.756	0.094
UDU-06-ICS	Burbot	**14.407**	1.581	0.082	**14.316**	1.566	0.081	**14.913**	1.671	0.088
UDU-06-ICS	Kokanee	**14.134**	1.534	0.079	**14.043**	1.519	0.077	**14.636**	1.622	0.085
UDU-06-ICS	N. Pike	**14.134**	1.534	0.079	**14.043**	1.519	0.077	**14.636**	1.622	0.085
UDU-06-ICS	Rainbow Trout	**14.407**	1.581	0.082	**14.316**	1.566	0.081	**14.913**	1.671	0.088
UDU-06-ICS	SM Bass	**14.316**	1.566	0.081	**14.225**	1.55	0.08	**14.82**	1.654	0.087
UDU-06-ICS	Sturgeon	**14.179**	1.542	0.079	**14.089**	1.526	0.078	**14.682**	1.63	0.085
UDU-06-ICS	Sucker	**16.083**	1.886	0.104	**15.988**	1.868	0.103	**16.607**	1.986	0.112
UDU-06-ICS	Walleye	**14.453**	1.589	0.082	**14.362**	1.574	0.081	**14.959**	1.679	0.089
UDU-06-ICS	Whitefish	**14.225**	1.55	0.08	**14.134**	1.534	0.079	**14.728**	1.638	0.086

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 2/24/2020
Site Name: UCR
Operable Unit: Recreational Visitor, Beach Trips to Bossburg Flat Beach UDUs, With and Without Fish Consumption
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3 µg/dL, 5 µg/dL, 8 µg/dL

Input File: UDU Beachgoers SED SWIM FISH MHF_08`28`2019.dat

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
UDU-01-ICS														
1	None	0	0	32	173.2	92.6	0.9	0.02	0.12	0	1.99	**19.11**	2.496	0.153
1a	Burbot	0	0	32	173.2	92.6	0.9	0.02	0.19	0	2	**19.459**	2.571	0.16
1b	Kokanee	0	0	32	173.2	92.6	0.9	0.02	0.13	0	1.99	**19.16**	2.506	0.154
1c	N. Pike	0	0	32	173.2	92.6	0.9	0.02	0.13	0	1.99	**19.16**	2.506	0.154
1d	Rainbow Trout	0	0	32	173.2	92.6	0.9	0.02	0.19	0	2	**19.459**	2.571	0.16
1e	SM Bass	0	0	32	173.2	92.6	0.9	0.02	0.17	0	2	**19.359**	2.549	0.158
1f	Sturgeon	0	0	32	173.2	92.6	0.9	0.02	0.14	0	1.99	**19.209**	2.517	0.155
1g	Sucker	0	0	32	173.2	92.6	0.9	0.02	0.55	0	2.06	**21.278**	2.981	0.197
1h	Walleye	0	0	32	173.2	92.6	0.9	0.02	0.2	0	2	**19.509**	2.582	0.161
1i	Whitefish	0	0	32	173.2	92.6	0.9	0.02	0.15	0	1.99	**19.259**	2.528	0.156
UDU-02-ICS														
2	None	0	0	32	198.3	92.6	0.9	0.02	0.12	0	2.07	**21.5**	**3.025**	**0.201**
2a	Burbot	0	0	32	198.3	92.6	0.9	0.02	0.19	0	2.08	**21.828**	3.11	0.209
2b	Kokanee	0	0	32	198.3	92.6	0.9	0.02	0.13	0	2.07	**21.521**	3.037	0.202
2c	N. Pike	0	0	32	198.3	92.6	0.9	0.02	0.13	0	2.07	**21.521**	3.037	0.202
2d	Rainbow Trout	0	0	32	198.3	92.6	0.9	0.02	0.19	0	2.08	**21.828**	3.11	0.209
2e	SM Bass	0	0	32	198.3	92.6	0.9	0.02	0.17	0	2.08	**21.726**	3.086	0.206
2f	Sturgeon	0	0	32	198.3	92.6	0.9	0.02	0.14	0	2.07	**21.572**	3.049	0.203
2g	Sucker	0	0	32	198.3	92.6	0.9	0.02	0.55	0	2.14	**23.689**	3.568	0.253
2h	Walleye	0	0	32	198.3	92.6	0.9	0.02	0.2	0	2.08	**21.88**	3.122	0.21
2i	Whitefish	0	0	32	198.3	92.6	0.9	0.02	0.15	0	2.07	**21.623**	3.062	0.204
UDU-03-ICS														
3	None	0	0	32	163.1	92.6	0.9	0.02	0.12	0	1.96	**18.184**	2.301	0.137
3a	Burbot	0	0	32	163.1	92.6	0.9	0.02	0.19	0	1.97	**18.529**	2.373	0.143
3b	Kokanee	0	0	32	163.1	92.6	0.9	0.02	0.13	0	1.96	**18.233**	2.311	0.138
3c	N. Pike	0	0	32	163.1	92.6	0.9	0.02	0.13	0	1.96	**18.233**	2.311	0.138
3d	Rainbow Trout	0	0	32	163.1	92.6	0.9	0.02	0.19	0	1.97	**18.529**	2.373	0.143
3e	SM Bass	0	0	32	163.1	92.6	0.9	0.02	0.17	0	1.97	**18.43**	2.352	0.141
3f	Sturgeon	0	0	32	163.1	92.6	0.9	0.02	0.14	0	1.96	**18.282**	2.321	0.139
3g	Sucker	0	0	32	163.1	92.6	0.9	0.02	0.55	0	2.03	**20.328**	2.763	0.177
3h	Walleye	0	0	32	163.1	92.6	0.9	0.02	0.2	0	1.97	**18.578**	2.383	0.144
3i	Whitefish	0	0	32	163.1	92.6	0.9	0.02	0.15	0	1.96	**18.332**	2.331	0.14
UDU-04-ICS														
4	None	0	0	32	791	92.6	0.9	0.02	0.12	0	3.87	**70.605**	**29.288**	**6.118**

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
4a	Burbot	0	0	32	791	92.6	0.9	0.02	0.19	0	3.88	**70.812**	**29.496**	**6.191**
4b	Kokanee	0	0	32	791	92.6	0.9	0.02	0.13	0	3.87	**70.635**	**29.318**	**6.128**
4c	N. Pike	0	0	32	791	92.6	0.9	0.02	0.13	0	3.87	**70.635**	**29.318**	**6.128**
4d	Rainbow Trout	0	0	32	791	92.6	0.9	0.02	0.19	0	3.88	**70.812**	**29.496**	**6.191**
4e	SM Bass	0	0	32	791	92.6	0.9	0.02	0.17	0	3.88	**70.753**	**29.437**	**6.17**
4f	Sturgeon	0	0	32	791	92.6	0.9	0.02	0.14	0	3.87	**70.664**	**29.348**	**6.138**
4g	Sucker	0	0	32	791	92.6	0.9	0.02	0.55	0	3.94	**71.856**	**30.563**	**6.574**
4h	Walleye	0	0	32	791	92.6	0.9	0.02	0.2	0	3.88	**70.842**	**29.526**	**6.201**
4i	Whitefish	0	0	32	791	92.6	0.9	0.02	0.15	0	3.87	**70.694**	**29.377**	**6.149**
UDU-05-ICS														
5	None	0	0	32	124.2	92.6	0.9	0.02	0.12	0	1.83	**14.732**	1.639	0.086
5a	Burbot	0	0	32	124.2	92.6	0.9	0.02	0.19	0	1.85	**15.055**	1.696	0.09
5b	Kokanee	0	0	32	124.2	92.6	0.9	0.02	0.13	0	1.83	**14.778**	1.647	0.087
5c	N. Pike	0	0	32	124.2	92.6	0.9	0.02	0.13	0	1.83	**14.778**	1.647	0.087
5d	Rainbow Trout	0	0	32	124.2	92.6	0.9	0.02	0.19	0	1.85	**15.055**	1.696	0.09
5e	SM Bass	0	0	32	124.2	92.6	0.9	0.02	0.17	0	1.84	**14.963**	1.68	0.089
5f	Sturgeon	0	0	32	124.2	92.6	0.9	0.02	0.14	0	1.84	**14.824**	1.655	0.087
5g	Sucker	0	0	32	124.2	92.6	0.9	0.02	0.55	0	1.91	**16.755**	2.015	0.114
5h	Walleye	0	0	32	124.2	92.6	0.9	0.02	0.2	0	1.85	**15.102**	1.705	0.091
5i	Whitefish	0	0	32	124.2	92.6	0.9	0.02	0.15	0	1.84	**14.87**	1.663	0.088
UDU-06-ICS														
6	None	0	0	32	116.6	92.6	0.9	0.02	0.12	0	1.81	**14.089**	1.526	0.078
6a	Burbot	0	0	32	116.6	92.6	0.9	0.02	0.19	0	1.82	**14.407**	1.581	0.082
6b	Kokanee	0	0	32	116.6	92.6	0.9	0.02	0.13	0	1.81	**14.134**	1.534	0.079
6c	N. Pike	0	0	32	116.6	92.6	0.9	0.02	0.13	0	1.81	**14.134**	1.534	0.079
6d	Rainbow Trout	0	0	32	116.6	92.6	0.9	0.02	0.19	0	1.82	**14.407**	1.581	0.082
6e	SM Bass	0	0	32	116.6	92.6	0.9	0.02	0.17	0	1.82	**14.316**	1.566	0.081
6f	Sturgeon	0	0	32	116.6	92.6	0.9	0.02	0.14	0	1.81	**14.179**	1.542	0.079
6g	Sucker	0	0	32	116.6	92.6	0.9	0.02	0.55	0	1.88	**16.083**	1.886	0.104
6h	Walleye	0	0	32	116.6	92.6	0.9	0.02	0.2	0	1.82	**14.453**	1.589	0.082
6i	Whitefish	0	0	32	116.6	92.6	0.9	0.02	0.15	0	1.81	**14.225**	1.55	0.08

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 2/24/2020
Site Name: UCR
Operable Unit: Recreational Visitor, Boat Trips to Bossburg Flat Beach UDUs, With and Without Fish Consumption
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3 µg/dL, 5 µg/dL, 8 µg/dL

Input File: 08`29`2019 boat 2015BeachSoil_SummaryStats_UDU SED SW FISH.dat

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
UDU-01-ICS														
1	None	0	0	32	173.2	92.6	0.9	0.02	0.1	0	1.99	**19.01**	2.474	0.152
1a	Burbot	0	0	32	173.2	92.6	0.9	0.02	0.17	0	2	**19.359**	2.549	0.158
1b	Kokanee	0	0	32	173.2	92.6	0.9	0.02	0.11	0	1.99	**19.06**	2.485	0.153
1c	N. Pike	0	0	32	173.2	92.6	0.9	0.02	0.11	0	1.99	**19.06**	2.485	0.153
1d	Rainbow Trout	0	0	32	173.2	92.6	0.9	0.02	0.17	0	2	**19.359**	2.549	0.158
1e	SM Bass	0	0	32	173.2	92.6	0.9	0.02	0.15	0	1.99	**19.259**	2.528	0.156
1f	Sturgeon	0	0	32	173.2	92.6	0.9	0.02	0.12	0	1.99	**19.11**	2.496	0.153
1g	Sucker	0	0	32	173.2	92.6	0.9	0.02	0.53	0	2.06	**21.176**	2.957	0.194
1h	Walleye	0	0	32	173.2	92.6	0.9	0.02	0.18	0	2	**19.409**	2.56	0.159
1i	Whitefish	0	0	32	173.2	92.6	0.9	0.02	0.13	0	1.99	**19.16**	2.506	0.154
UDU-02-ICS														
2	None	0	0	32	198.3	92.6	0.9	0.02	0.1	0	2.07	**21.368**	3.001	0.198
2a	Burbot	0	0	32	198.3	92.6	0.9	0.02	0.17	0	2.08	**21.726**	3.086	0.206
2b	Kokanee	0	0	32	198.3	92.6	0.9	0.02	0.11	0	2.07	**21.419**	3.013	0.2
2c	N. Pike	0	0	32	198.3	92.6	0.9	0.02	0.11	0	2.07	**21.419**	3.013	0.2
2d	Rainbow Trout	0	0	32	198.3	92.6	0.9	0.02	0.17	0	2.08	**21.726**	3.086	0.206
2e	SM Bass	0	0	32	198.3	92.6	0.9	0.02	0.15	0	2.07	**21.623**	3.062	0.204
2f	Sturgeon	0	0	32	198.3	92.6	0.9	0.02	0.12	0	2.07	**21.47**	3.025	0.201
2g	Sucker	0	0	32	198.3	92.6	0.9	0.02	0.53	0	2.14	**23.585**	3.541	0.25
2h	Walleye	0	0	32	198.3	92.6	0.9	0.02	0.18	0	2.08	**21.777**	3.098	0.207
2i	Whitefish	0	0	32	198.3	92.6	0.9	0.02	0.13	0	2.07	**21.521**	3.037	0.202
UDU-03-ICS														
3	None	0	0	32	163.1	92.6	0.9	0.02	0.1	0	1.95	**18.086**	2.281	0.135
3a	Burbot	0	0	32	163.1	92.6	0.9	0.02	0.17	0	1.97	**18.43**	2.352	0.141
3b	Kokanee	0	0	32	163.1	92.6	0.9	0.02	0.11	0	1.96	**18.135**	2.291	0.136
3c	N. Pike	0	0	32	163.1	92.6	0.9	0.02	0.11	0	1.96	**18.135**	2.291	0.136
3d	Rainbow Trout	0	0	32	163.1	92.6	0.9	0.02	0.17	0	1.97	**18.43**	2.352	0.141
3e	SM Bass	0	0	32	163.1	92.6	0.9	0.02	0.15	0	1.96	**18.332**	2.331	0.14
3f	Sturgeon	0	0	32	163.1	92.6	0.9	0.02	0.12	0	1.96	**18.184**	2.301	0.137
3g	Sucker	0	0	32	163.1	92.6	0.9	0.02	0.53	0	2.03	**20.227**	2.74	0.175
3h	Walleye	0	0	32	163.1	92.6	0.9	0.02	0.18	0	1.97	**18.479**	2.362	0.142
3i	Whitefish	0	0	32	163.1	92.6	0.9	0.02	0.13	0	1.96	**18.233**	2.311	0.138
UDU-04-ICS														
4	None	0	0	32	791	92.6	0.9	0.02	0.1	0	3.87	**70.545**	**29.229**	**6.097**
4a	Burbot	0	0	32	791	92.6	0.9	0.02	0.17	0	3.88	**70.753**	**29.437**	**6.17**

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
4b	Kokanee	0	0	32	791	92.6	0.9	0.02	0.11	0	3.87	**70.575**	**29.259**	**6.107**
4c	N. Pike	0	0	32	791	92.6	0.9	0.02	0.11	0	3.87	**70.575**	**29.259**	**6.107**
4d	Rainbow Trout	0	0	32	791	92.6	0.9	0.02	0.17	0	3.88	**70.753**	**29.437**	**6.17**
4e	SM Bass	0	0	32	791	92.6	0.9	0.02	0.15	0	3.87	**70.694**	**29.377**	**6.149**
4f	Sturgeon	0	0	32	791	92.6	0.9	0.02	0.12	0	3.87	**70.605**	**29.288**	**6.118**
4g	Sucker	0	0	32	791	92.6	0.9	0.02	0.53	0	3.93	**71.799**	**30.504**	**6.553**
4h	Walleye	0	0	32	791	92.6	0.9	0.02	0.18	0	3.88	**70.783**	**29.466**	**6.18**
4i	Whitefish	0	0	32	791	92.6	0.9	0.02	0.13	0	3.87	**70.635**	**29.318**	**6.128**
UDU-05-ICS														
5	None	0	0	32	124.2	92.6	0.9	0.02	0.1	0	1.83	**14.64**	1.622	0.085
5a	Burbot	0	0	32	124.2	92.6	0.9	0.02	0.17	0	1.84	**14.963**	1.68	0.089
5b	Kokanee	0	0	32	124.2	92.6	0.9	0.02	0.11	0	1.83	**14.686**	1.63	0.085
5c	N. Pike	0	0	32	124.2	92.6	0.9	0.02	0.11	0	1.83	**14.686**	1.63	0.085
5d	Rainbow Trout	0	0	32	124.2	92.6	0.9	0.02	0.17	0	1.84	**14.963**	1.68	0.089
5e	SM Bass	0	0	32	124.2	92.6	0.9	0.02	0.15	0	1.84	**14.87**	1.663	0.088
5f	Sturgeon	0	0	32	124.2	92.6	0.9	0.02	0.12	0	1.83	**14.732**	1.639	0.086
5g	Sucker	0	0	32	124.2	92.6	0.9	0.02	0.53	0	1.9	**16.659**	1.996	0.113
5h	Walleye	0	0	32	124.2	92.6	0.9	0.02	0.18	0	1.84	**15.009**	1.688	0.09
5i	Whitefish	0	0	32	124.2	92.6	0.9	0.02	0.13	0	1.83	**14.778**	1.647	0.087
UDU-06-ICS														
6	None	0	0	32	116.6	92.6	0.9	0.02	0.1	0	1.81	**13.998**	1.511	0.077
6a	Burbot	0	0	32	116.6	92.6	0.9	0.02	0.17	0	1.82	**14.316**	1.566	0.081
6b	Kokanee	0	0	32	116.6	92.6	0.9	0.02	0.11	0	1.81	**14.043**	1.519	0.077
6c	N. Pike	0	0	32	116.6	92.6	0.9	0.02	0.11	0	1.81	**14.043**	1.519	0.077
6d	Rainbow Trout	0	0	32	116.6	92.6	0.9	0.02	0.17	0	1.82	**14.316**	1.566	0.081
6e	SM Bass	0	0	32	116.6	92.6	0.9	0.02	0.15	0	1.81	**14.225**	1.55	0.08
6f	Sturgeon	0	0	32	116.6	92.6	0.9	0.02	0.12	0	1.81	**14.089**	1.526	0.078
6g	Sucker	0	0	32	116.6	92.6	0.9	0.02	0.53	0	1.88	**15.988**	1.868	0.103
6h	Walleye	0	0	32	116.6	92.6	0.9	0.02	0.18	0	1.82	**14.362**	1.574	0.081
6i	Whitefish	0	0	32	116.6	92.6	0.9	0.02	0.13	0	1.81	**14.134**	1.534	0.079

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 2/24/2020
Site Name: UCR
Operable Unit: Recreational Visitor, Camping Trips to Bossburg Flat Beach UDUs, With and Without Fish Consumption
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3 µg/dL, 5 µg/dL, 8 µg/dL

Input File: 08`29`2019 Campers UDU SED SW FISH.dat

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
UDU-01-ICS														
1	None	0	0	32	173.2	92.6	0.9	0.02	0.23	0	2.01	**19.659**	2.615	0.164
1a	Burbot	0	0	32	173.2	92.6	0.9	0.02	0.3	0	2.02	**20.011**	2.692	0.171
1b	Kokanee	0	0	32	173.2	92.6	0.9	0.02	0.24	0	2.01	**19.709**	2.626	0.165
1c	N. Pike	0	0	32	173.2	92.6	0.9	0.02	0.24	0	2.01	**19.709**	2.626	0.165
1d	Rainbow Trout	0	0	32	173.2	92.6	0.9	0.02	0.3	0	2.02	**20.011**	2.692	0.171
1e	SM Bass	0	0	32	173.2	92.6	0.9	0.02	0.28	0	2.02	**19.91**	2.67	0.169
1f	Sturgeon	0	0	32	173.2	92.6	0.9	0.02	0.25	0	2.01	**19.76**	2.637	0.166
1g	Sucker	0	0	32	173.2	92.6	0.9	0.02	0.66	0	2.08	**21.841**	3.113	0.209
1h	Walleye	0	0	32	173.2	92.6	0.9	0.02	0.31	0	2.02	**20.061**	2.703	0.172
1i	Whitefish	0	0	32	173.2	92.6	0.9	0.02	0.26	0	2.01	**19.81**	2.648	0.167
UDU-02-ICS														
2	None	0	0	32	198.3	92.6	0.9	0.02	0.23	0	2.09	**22.034**	3.159	0.213
2a	Burbot	0	0	32	198.3	92.6	0.9	0.02	0.3	0	2.1	**22.394**	3.246	0.222
2b	Kokanee	0	0	32	198.3	92.6	0.9	0.02	0.24	0	2.09	**22.085**	3.171	0.214
2c	N. Pike	0	0	32	198.3	92.6	0.9	0.02	0.24	0	2.09	**22.085**	3.171	0.214
2d	Rainbow Trout	0	0	32	198.3	92.6	0.9	0.02	0.3	0	2.1	**22.394**	3.246	0.222
2e	SM Bass	0	0	32	198.3	92.6	0.9	0.02	0.28	0	2.1	**22.291**	3.221	0.219
2f	Sturgeon	0	0	32	198.3	92.6	0.9	0.02	0.25	0	2.09	**22.137**	3.184	0.216
2g	Sucker	0	0	32	198.3	92.6	0.9	0.02	0.66	0	2.16	**24.262**	3.715	0.268
2h	Walleye	0	0	32	198.3	92.6	0.9	0.02	0.31	0	2.1	**22.446**	3.259	0.223
2i	Whitefish	0	0	32	198.3	92.6	0.9	0.02	0.26	0	2.09	**22.188**	3.196	0.217
UDU-03-ICS														
3	None	0	0	32	163.1	92.6	0.9	0.02	0.23	0	1.98	**18.727**	2.414	0.147
3a	Burbot	0	0	32	163.1	92.6	0.9	0.02	0.3	0	1.99	**19.074**	2.488	0.153
3b	Kokanee	0	0	32	163.1	92.6	0.9	0.02	0.24	0	1.98	**18.776**	2.425	0.147
3c	N. Pike	0	0	32	163.1	92.6	0.9	0.02	0.24	0	1.98	**18.776**	2.425	0.147
3d	Rainbow Trout	0	0	32	163.1	92.6	0.9	0.02	0.3	0	1.99	**19.074**	2.488	0.153
3e	SM Bass	0	0	32	163.1	92.6	0.9	0.02	0.28	0	1.98	**18.975**	2.467	0.151
3f	Sturgeon	0	0	32	163.1	92.6	0.9	0.02	0.25	0	1.98	**18.826**	2.435	0.148
3g	Sucker	0	0	32	163.1	92.6	0.9	0.02	0.66	0	2.05	**20.885**	2.89	0.188
3h	Walleye	0	0	32	163.1	92.6	0.9	0.02	0.31	0	1.99	**19.124**	2.499	0.154
3i	Whitefish	0	0	32	163.1	92.6	0.9	0.02	0.26	0	1.98	**18.875**	2.446	0.149
UDU-04-ICS														
4	None	0	0	32	791	92.6	0.9	0.02	0.23	0	3.89	**70.93**	**29.615**	**6.233**
4a	Burbot	0	0	32	791	92.6	0.9	0.02	0.3	0	3.9	**71.135**	**29.822**	**6.307**

4b	Kokanee	0	0	32	791	92.6	0.9	0.02	0.24	0	3.89	**70.959**	**29.644**	**6.243**
4c	N. Pike	0	0	32	791	92.6	0.9	0.02	0.24	0	3.89	**70.959**	**29.644**	**6.243**
4d	Rainbow Trout	0	0	32	791	92.6	0.9	0.02	0.3	0	3.9	**71.135**	**29.822**	**6.307**
4e	SM Bass	0	0	32	791	92.6	0.9	0.02	0.28	0	3.9	**71.076**	**29.763**	**6.286**
4f	Sturgeon	0	0	32	791	92.6	0.9	0.02	0.25	0	3.89	**70.989**	**29.674**	**6.254**
4g	Sucker	0	0	32	791	92.6	0.9	0.02	0.66	0	3.95	**72.169**	**30.889**	**6.694**
4h	Walleye	0	0	32	791	92.6	0.9	0.02	0.31	0	3.9	**71.164**	**29.852**	**6.317**
4i	Whitefish	0	0	32	791	92.6	0.9	0.02	0.26	0	3.89	**71.018**	**29.704**	**6.264**
UDU-05-ICS														
5	None	0	0	32	124.2	92.6	0.9	0.02	0.23	0	1.85	**15.241**	1.73	0.093
5a	Burbot	0	0	32	124.2	92.6	0.9	0.02	0.3	0	1.86	**15.568**	1.79	0.097
5b	Kokanee	0	0	32	124.2	92.6	0.9	0.02	0.24	0	1.85	**15.288**	1.739	0.093
5c	N. Pike	0	0	32	124.2	92.6	0.9	0.02	0.24	0	1.85	**15.288**	1.739	0.093
5d	Rainbow Trout	0	0	32	124.2	92.6	0.9	0.02	0.3	0	1.86	**15.568**	1.79	0.097
5e	SM Bass	0	0	32	124.2	92.6	0.9	0.02	0.28	0	1.86	**15.475**	1.773	0.096
5f	Sturgeon	0	0	32	124.2	92.6	0.9	0.02	0.25	0	1.86	**15.334**	1.747	0.094
5g	Sucker	0	0	32	124.2	92.6	0.9	0.02	0.66	0	1.93	**17.285**	2.119	0.122
5h	Walleye	0	0	32	124.2	92.6	0.9	0.02	0.31	0	1.87	**15.615**	1.799	0.098
5i	Whitefish	0	0	32	124.2	92.6	0.9	0.02	0.26	0	1.86	**15.381**	1.756	0.094
UDU-06-ICS														
6	None	0	0	32	116.6	92.6	0.9	0.02	0.23	0	1.83	**14.59**	1.614	0.084
6a	Burbot	0	0	32	116.6	92.6	0.9	0.02	0.3	0	1.84	**14.913**	1.671	0.088
6b	Kokanee	0	0	32	116.6	92.6	0.9	0.02	0.24	0	1.83	**14.636**	1.622	0.085
6c	N. Pike	0	0	32	116.6	92.6	0.9	0.02	0.24	0	1.83	**14.636**	1.622	0.085
6d	Rainbow Trout	0	0	32	116.6	92.6	0.9	0.02	0.3	0	1.84	**14.913**	1.671	0.088
6e	SM Bass	0	0	32	116.6	92.6	0.9	0.02	0.28	0	1.84	**14.82**	1.654	0.087
6f	Sturgeon	0	0	32	116.6	92.6	0.9	0.02	0.25	0	1.83	**14.682**	1.63	0.085
6g	Sucker	0	0	32	116.6	92.6	0.9	0.02	0.66	0	1.9	**16.607**	1.986	0.112
6h	Walleye	0	0	32	116.6	92.6	0.9	0.02	0.31	0	1.84	**14.959**	1.679	0.089
6i	Whitefish	0	0	32	116.6	92.6	0.9	0.02	0.26	0	1.83	**14.728**	1.638	0.086

Lead Risk Calculations for Child Recreational Visitors at Relict Floodplains, with Fish Consumption

		Beach Trips			Boat Trips			Camping		
RFDA	Fish	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)	P3 (%)	P5 (%)	P8 (%)
RFA-001	Burbot	**19.11**	2.496	0.153	**19.036**	2.48	0.152	**19.686**	2.62	0.164
RFA-001	Kokanee	**18.812**	2.432	0.148	**18.739**	2.417	0.147	**19.385**	2.555	0.159
RFA-001	N. Pike	**18.812**	2.432	0.148	**18.739**	2.417	0.147	**19.385**	2.555	0.159
RFA-001	Rainbow Trout	**19.11**	2.496	0.153	**19.036**	2.48	0.152	**19.686**	2.62	0.164
RFA-001	SM Bass	**19.011**	2.474	0.152	**18.937**	2.459	0.15	**19.585**	2.599	0.162
RFA-001	Sturgeon	**18.862**	2.443	0.149	**18.788**	2.427	0.148	**19.435**	2.566	0.16
RFA-001	Sucker	**20.922**	2.898	0.189	**20.847**	2.881	0.187	**21.51**	3.035	0.202
RFA-001	Walleye	**19.16**	2.506	0.154	**19.086**	2.491	0.153	**19.736**	2.631	0.165
RFA-001	Whitefish	**18.911**	2.453	0.15	**18.838**	2.438	0.149	**19.485**	2.577	0.16
RFA-002	Burbot	**16.92**	2.047	0.117	**16.852**	2.033	0.116	**17.48**	2.158	0.125
RFA-002	Kokanee	**16.632**	1.991	0.112	**16.564**	1.978	0.111	**17.189**	2.1	0.121
RFA-002	N. Pike	**16.632**	1.991	0.112	**16.564**	1.978	0.111	**17.189**	2.1	0.121
RFA-002	Rainbow Trout	**16.92**	2.047	0.117	**16.852**	2.033	0.116	**17.48**	2.158	0.125
RFA-002	SM Bass	**16.824**	2.028	0.115	**16.755**	2.015	0.114	**17.383**	2.138	0.124
RFA-002	Sturgeon	**16.68**	2	0.113	**16.612**	1.987	0.112	**17.237**	2.109	0.122
RFA-002	Sucker	**18.678**	2.404	0.146	**18.608**	2.389	0.144	**19.253**	2.526	0.156
RFA-002	Walleye	**16.968**	2.056	0.117	**16.9**	2.043	0.116	**17.529**	2.167	0.126
RFA-002	Whitefish	**16.728**	2.009	0.114	**16.66**	1.996	0.113	**17.286**	2.119	0.122
RFA-003	Burbot	**18.768**	2.423	0.147	**18.695**	2.407	0.146	**19.341**	2.545	0.158
RFA-003	Kokanee	**18.472**	2.361	0.142	**18.398**	2.345	0.141	**19.042**	2.481	0.152
RFA-003	N. Pike	**18.472**	2.361	0.142	**18.398**	2.345	0.141	**19.042**	2.481	0.152
RFA-003	Rainbow Trout	**18.768**	2.423	0.147	**18.695**	2.407	0.146	**19.341**	2.545	0.158
RFA-003	SM Bass	**18.669**	2.402	0.146	**18.596**	2.387	0.144	**19.241**	2.524	0.156
RFA-003	Sturgeon	**18.521**	2.371	0.143	**18.448**	2.356	0.142	**19.092**	2.492	0.153
RFA-003	Sucker	**20.573**	2.818	0.182	**20.498**	2.801	0.18	**21.158**	2.953	0.194
RFA-003	Walleye	**18.818**	2.433	0.148	**18.744**	2.418	0.147	**19.391**	2.556	0.159
RFA-003	Whitefish	**18.57**	2.381	0.144	**18.497**	2.366	0.143	**19.142**	2.502	0.154
RFA-004	Burbot	**17.487**	2.159	0.126	**17.418**	2.145	0.124	**18.052**	2.274	0.135
RFA-004	Kokanee	**17.196**	2.101	0.121	**17.127**	2.087	0.12	**17.759**	2.214	0.13
RFA-004	N. Pike	**17.196**	2.101	0.121	**17.127**	2.087	0.12	**17.759**	2.214	0.13
RFA-004	Rainbow Trout	**17.487**	2.159	0.126	**17.418**	2.145	0.124	**18.052**	2.274	0.135
RFA-004	SM Bass	**17.39**	2.14	0.124	**17.321**	2.126	0.123	**17.954**	2.254	0.133
RFA-004	Sturgeon	**17.245**	2.111	0.122	**17.176**	2.097	0.121	**17.807**	2.224	0.131
RFA-004	Sucker	**19.26**	2.528	0.156	**19.189**	2.513	0.155	**19.84**	2.654	0.167
RFA-004	Walleye	**17.536**	2.169	0.126	**17.466**	2.155	0.125	**18.101**	2.284	0.136
RFA-004	Whitefish	**17.293**	2.12	0.122	**17.224**	2.107	0.121	**17.856**	2.234	0.132
RFA-005	Burbot	**17.723**	2.207	0.129	**17.653**	2.192	0.128	**18.29**	2.323	0.139
RFA-005	Kokanee	**17.431**	2.148	0.125	**17.361**	2.134	0.124	**17.995**	2.262	0.134
RFA-005	N. Pike	**17.431**	2.148	0.125	**17.361**	2.134	0.124	**17.995**	2.262	0.134
RFA-005	Rainbow Trout	**17.723**	2.207	0.129	**17.653**	2.192	0.128	**18.29**	2.323	0.139
RFA-005	SM Bass	**17.625**	2.187	0.128	**17.556**	2.173	0.127	**18.191**	2.302	0.137
RFA-005	Sturgeon	**17.479**	2.157	0.125	**17.41**	2.144	0.124	**18.044**	2.272	0.135
RFA-005	Sucker	**19.502**	2.58	0.161	**19.431**	2.565	0.159	**20.083**	2.708	0.172
RFA-005	Walleye	**17.771**	2.216	0.13	**17.702**	2.202	0.129	**18.339**	2.333	0.14
RFA-005	Whitefish	**17.528**	2.167	0.126	**17.458**	2.153	0.125	**18.093**	2.282	0.136

Lead Risk Calculations for Child Recreational Visitors at Relict Floodplains, with Fish Consumption

		Beach Trips			Boat Trips			Camping		
RFDA	**Fish**	**P3 (%)**	**P5 (%)**	**P8 (%)**	**P3 (%)**	**P5 (%)**	**P8 (%)**	**P3 (%)**	**P5 (%)**	**P8 (%)**
RFB-002	Burbot	**15.824**	1.837	0.101	**15.754**	1.824	0.1	**16.37**	1.94	0.108
RFB-002	Kokanee	**15.542**	1.785	0.097	**15.472**	1.772	0.096	**16.085**	1.886	0.104
RFB-002	N. Pike	**15.542**	1.785	0.097	**15.472**	1.772	0.096	**16.085**	1.886	0.104
RFB-002	Rainbow Trout	**15.824**	1.837	0.101	**15.754**	1.824	0.1	**16.37**	1.94	0.108
RFB-002	SM Bass	**15.73**	1.82	0.099	**15.66**	1.807	0.098	**16.274**	1.922	0.107
RFB-002	Sturgeon	**15.589**	1.794	0.097	**15.519**	1.781	0.096	**16.132**	1.895	0.105
RFB-002	Sucker	**17.549**	2.171	0.127	**17.477**	2.157	0.125	**18.112**	2.286	0.136
RFB-002	Walleye	**15.871**	1.846	0.101	**15.801**	1.833	0.1	**16.417**	1.949	0.109
RFB-002	Whitefish	**15.636**	1.802	0.098	**15.564**	1.789	0.097	**16.178**	1.904	0.106
RFB-003	Burbot	**15.17**	1.717	0.092	**15.099**	1.704	0.091	**15.706**	1.815	0.099
RFB-003	Kokanee	**14.892**	1.667	0.088	**14.821**	1.655	0.087	**15.425**	1.764	0.095
RFB-003	N. Pike	**14.892**	1.667	0.088	**14.821**	1.655	0.087	**15.425**	1.764	0.095
RFB-003	Rainbow Trout	**15.17**	1.717	0.092	**15.099**	1.704	0.091	**15.706**	1.815	0.099
RFB-003	SM Bass	**15.077**	1.7	0.09	**15.006**	1.688	0.09	**15.612**	1.798	0.098
RFB-003	Sturgeon	**14.938**	1.675	0.089	**14.868**	1.663	0.088	**15.472**	1.772	0.096
RFB-003	Sucker	**16.873**	2.038	0.116	**16.8**	2.023	0.115	**17.428**	2.147	0.125
RFB-003	Walleye	**15.216**	1.725	0.092	**15.145**	1.713	0.091	**15.753**	1.824	0.1
RFB-003	Whitefish	**14.984**	1.684	0.089	**14.914**	1.671	0.088	**15.519**	1.781	0.096
RFB-008	Burbot	**14.597**	1.615	0.084	**14.528**	1.603	0.083	**15.127**	1.709	0.091
RFB-008	Kokanee	**14.323**	1.567	0.081	**14.254**	1.555	0.08	**14.849**	1.66	0.087
RFB-008	N. Pike	**14.323**	1.567	0.081	**14.254**	1.555	0.08	**14.849**	1.66	0.087
RFB-008	Rainbow Trout	**14.597**	1.615	0.084	**14.528**	1.603	0.083	**15.127**	1.709	0.091
RFB-008	SM Bass	**14.506**	1.599	0.083	**14.436**	1.587	0.082	**15.034**	1.693	0.09
RFB-008	Sturgeon	**14.369**	1.575	0.081	**14.299**	1.563	0.081	**14.896**	1.668	0.088
RFB-008	Sucker	**16.28**	1.923	0.107	**16.208**	1.91	0.106	**16.829**	2.029	0.115
RFB-008	Walleye	**14.643**	1.623	0.085	**14.573**	1.611	0.084	**15.174**	1.718	0.092
RFB-008	Whitefish	**14.414**	1.583	0.082	**14.345**	1.571	0.081	**14.942**	1.676	0.089
RFC-003	Burbot	**18.856**	2.441	0.149	**18.781**	2.426	0.148	**19.428**	2.564	0.159
RFC-003	Kokanee	**18.559**	2.379	0.144	**18.484**	2.363	0.142	**19.128**	2.5	0.154
RFC-003	N. Pike	**18.559**	2.379	0.144	**18.484**	2.363	0.142	**19.128**	2.5	0.154
RFC-003	Rainbow Trout	**18.856**	2.441	0.149	**18.781**	2.426	0.148	**19.428**	2.564	0.159
RFC-003	SM Bass	**18.757**	2.42	0.147	**18.681**	2.405	0.146	**19.328**	2.543	0.157
RFC-003	Sturgeon	**18.608**	2.389	0.144	**18.533**	2.373	0.143	**19.178**	2.51	0.155
RFC-003	Sucker	**20.662**	2.839	0.184	**20.585**	2.821	0.182	**21.246**	2.973	0.196
RFC-003	Walleye	**18.905**	2.452	0.15	**18.83**	2.436	0.148	**19.478**	2.575	0.16
RFC-003	Whitefish	**18.658**	2.4	0.145	**18.583**	2.384	0.144	**19.228**	2.521	0.156
RFC-004	Burbot	**16.327**	1.932	0.108	**16.255**	1.918	0.107	**16.876**	2.038	0.116
RFC-004	Kokanee	**16.042**	1.878	0.104	**15.97**	1.865	0.103	**16.589**	1.982	0.112
RFC-004	N. Pike	**16.042**	1.878	0.104	**15.97**	1.865	0.103	**16.589**	1.982	0.112
RFC-004	Rainbow Trout	**16.327**	1.932	0.108	**16.255**	1.918	0.107	**16.876**	2.038	0.116
RFC-004	SM Bass	**16.232**	1.914	0.106	**16.16**	1.9	0.105	**16.78**	2.019	0.115
RFC-004	Sturgeon	**16.089**	1.887	0.104	**16.018**	1.874	0.103	**16.636**	1.992	0.112
RFC-004	Sucker	**18.068**	2.277	0.135	**17.993**	2.262	0.134	**18.633**	2.394	0.145
RFC-004	Walleye	**16.375**	1.941	0.108	**16.302**	1.927	0.107	**16.924**	2.048	0.117
RFC-004	Whitefish	**16.137**	1.896	0.105	**16.065**	1.882	0.104	**16.684**	2.001	0.113

Lead Risk Calculations for Child Recreational Visitors at Relict Floodplains, with Fish Consumption

		Beach Trips			Boat Trips			Camping		
RFDA	**Fish**	**P3 (%)**	**P5 (%)**	**P8 (%)**	**P3 (%)**	**P5 (%)**	**P8 (%)**	**P3 (%)**	**P5 (%)**	**P8 (%)**
RFC-005	Burbot	**19.857**	2.658	0.168	**19.781**	2.641	0.166	**20.436**	2.787	0.179
RFC-005	Kokanee	**19.556**	2.592	0.162	**19.48**	2.576	0.16	**20.133**	2.719	0.173
RFC-005	N. Pike	**19.556**	2.592	0.162	**19.48**	2.576	0.16	**20.133**	2.719	0.173
RFC-005	Rainbow Trout	**19.857**	2.658	0.168	**19.781**	2.641	0.166	**20.436**	2.787	0.179
RFC-005	SM Bass	**19.757**	2.636	0.166	**19.681**	2.619	0.164	**20.335**	2.765	0.177
RFC-005	Sturgeon	**19.606**	2.603	0.163	**19.53**	2.587	0.161	**20.184**	2.731	0.174
RFC-005	Sucker	**21.685**	3.076	0.205	**21.607**	3.058	0.204	**22.274**	3.217	0.219
RFC-005	Walleye	**19.908**	2.669	0.169	**19.831**	2.652	0.167	**20.487**	2.799	0.18
RFC-005	Whitefish	**19.657**	2.614	0.164	**19.58**	2.597	0.162	**20.234**	2.742	0.175
RFC-006	Burbot	**18.179**	2.3	0.137	**18.104**	2.284	0.136	**18.745**	2.418	0.147
RFC-006	Kokanee	**17.885**	2.24	0.132	**17.81**	2.224	0.131	**18.449**	2.356	0.142
RFC-006	N. Pike	**17.885**	2.24	0.132	**17.81**	2.224	0.131	**18.449**	2.356	0.142
RFC-006	Rainbow Trout	**18.179**	2.3	0.137	**18.104**	2.284	0.136	**18.745**	2.418	0.147
RFC-006	SM Bass	**18.081**	2.28	0.135	**18.006**	2.264	0.134	**18.646**	2.397	0.145
RFC-006	Sturgeon	**17.934**	2.249	0.133	**17.859**	2.234	0.132	**18.498**	2.366	0.143
RFC-006	Sucker	**19.97**	2.683	0.17	**19.893**	2.666	0.168	**20.549**	2.813	0.181
RFC-006	Walleye	**18.228**	2.31	0.138	**18.153**	2.295	0.137	**18.795**	2.429	0.148
RFC-006	Whitefish	**17.983**	2.259	0.134	**17.908**	2.244	0.132	**18.547**	2.376	0.143
RFC-007	Burbot	**18.429**	2.352	0.141	**18.354**	2.336	0.14	**18.997**	2.472	0.151
RFC-007	Kokanee	**18.134**	2.291	0.136	**18.059**	2.275	0.135	**18.7**	2.408	0.146
RFC-007	N. Pike	**18.134**	2.291	0.136	**18.059**	2.275	0.135	**18.7**	2.408	0.146
RFC-007	Rainbow Trout	**18.429**	2.352	0.141	**18.354**	2.336	0.14	**18.997**	2.472	0.151
RFC-007	SM Bass	**18.33**	2.331	0.14	**18.256**	2.316	0.138	**18.898**	2.45	0.15
RFC-007	Sturgeon	**18.183**	2.301	0.137	**18.108**	2.285	0.136	**18.749**	2.419	0.147
RFC-007	Sucker	**20.226**	2.74	0.175	**20.149**	2.723	0.173	**20.807**	2.872	0.187
RFC-007	Walleye	**18.478**	2.362	0.142	**18.403**	2.346	0.141	**19.047**	2.482	0.152
RFC-007	Whitefish	**18.232**	2.311	0.138	**18.157**	2.295	0.137	**18.799**	2.429	0.148
RFC-008	Burbot	**18.124**	2.289	0.136	**18.05**	2.273	0.135	**18.69**	2.406	0.146
RFC-008	Kokanee	**17.83**	2.228	0.131	**17.756**	2.213	0.13	**18.394**	2.344	0.141
RFC-008	N. Pike	**17.83**	2.228	0.131	**17.756**	2.213	0.13	**18.394**	2.344	0.141
RFC-008	Rainbow Trout	**18.124**	2.289	0.136	**18.05**	2.273	0.135	**18.69**	2.406	0.146
RFC-008	SM Bass	**18.026**	2.268	0.134	**17.952**	2.253	0.133	**18.591**	2.386	0.144
RFC-008	Sturgeon	**17.879**	2.238	0.132	**17.805**	2.223	0.131	**18.443**	2.355	0.142
RFC-008	Sucker	**19.914**	2.671	0.169	**19.837**	2.654	0.167	**20.493**	2.8	0.18
RFC-008	Walleye	**18.173**	2.299	0.137	**18.099**	2.283	0.136	**18.74**	2.417	0.147
RFC-008	Whitefish	**17.928**	2.248	0.133	**17.854**	2.233	0.132	**18.492**	2.365	0.142
RFD-002	Burbot	**17.807**	2.224	0.131	**17.733**	2.209	0.13	**18.37**	2.339	0.14
RFD-002	Kokanee	**17.515**	2.165	0.126	**17.441**	2.15	0.125	**18.075**	2.279	0.135
RFD-002	N. Pike	**17.515**	2.165	0.126	**17.441**	2.15	0.125	**18.075**	2.279	0.135
RFD-002	Rainbow Trout	**17.807**	2.224	0.131	**17.733**	2.209	0.13	**18.37**	2.339	0.14
RFD-002	SM Bass	**17.709**	2.204	0.129	**17.635**	2.189	0.128	**18.272**	2.319	0.139
RFD-002	Sturgeon	**17.563**	2.174	0.127	**17.489**	2.16	0.126	**18.124**	2.289	0.136
RFD-002	Sucker	**19.589**	2.599	0.162	**19.513**	2.583	0.161	**20.166**	2.727	0.174
RFD-002	Walleye	**17.856**	2.234	0.132	**17.782**	2.219	0.13	**18.42**	2.35	0.141
RFD-002	Whitefish	**17.612**	2.184	0.128	**17.538**	2.169	0.126	**18.173**	2.299	0.137

Lead Risk Calculations for Child Recreational Visitors at Relict Floodplains, with Fish Consumption

		Beach Trips			Boat Trips			Camping		
RFDA	**Fish**	**P3 (%)**	**P5 (%)**	**P8 (%)**	**P3 (%)**	**P5 (%)**	**P8 (%)**	**P3 (%)**	**P5 (%)**	**P8 (%)**
RFD-003	Burbot	**17.717**	2.205	0.129	**17.643**	2.19	0.128	**18.28**	2.321	0.139
RFD-003	Kokanee	**17.425**	2.147	0.125	**17.351**	2.132	0.123	**17.985**	2.26	0.134
RFD-003	N. Pike	**17.425**	2.147	0.125	**17.351**	2.132	0.123	**17.985**	2.26	0.134
RFD-003	Rainbow Trout	**17.717**	2.205	0.129	**17.643**	2.19	0.128	**18.28**	2.321	0.139
RFD-003	SM Bass	**17.62**	2.186	0.128	**17.546**	2.171	0.127	**18.181**	2.3	0.137
RFD-003	Sturgeon	**17.474**	2.156	0.125	**17.4**	2.142	0.124	**18.034**	2.27	0.135
RFD-003	Sucker	**19.496**	2.579	0.161	**19.421**	2.563	0.159	**20.073**	2.706	0.172
RFD-003	Walleye	**17.766**	2.215	0.13	**17.692**	2.2	0.129	**18.329**	2.331	0.14
RFD-003	Whitefish	**17.522**	2.166	0.126	**17.448**	2.151	0.125	**18.083**	2.28	0.135

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 8/29/2019
Site Name: UCR
Operable Unit: Recreational Visitor, Beach Visits to Relict Floodplains, With and Without Fish Consumption
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3 µg/dL, 5 µg/dL, 8 µg/dL

Input File: RF Beach UPSOIL_SED SW FISH MHF_08`29`2019.dat

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
RFA-001														
1	no fish	0	0	32	169.7	92.6	0.9	0.02	0.12	0	1.98	**18.762**	2.422	0.147
1a	burbot	0	0	32	169.7	92.6	0.9	0.02	0.19	0	1.99	**19.11**	2.496	0.153
1b	kokanee	0	0	32	169.7	92.6	0.9	0.02	0.13	0	1.98	**18.812**	2.432	0.148
1c	northern pike	0	0	32	169.7	92.6	0.9	0.02	0.13	0	1.98	**18.812**	2.432	0.148
1d	rainbow trout	0	0	32	169.7	92.6	0.9	0.02	0.19	0	1.99	**19.11**	2.496	0.153
1e	smallmouth bass	0	0	32	169.7	92.6	0.9	0.02	0.17	0	1.99	**19.011**	2.474	0.152
1f	sturgeon	0	0	32	169.7	92.6	0.9	0.02	0.14	0	1.98	**18.862**	2.443	0.149
1g	sucker	0	0	32	169.7	92.6	0.9	0.02	0.55	0	2.05	**20.922**	2.898	0.189
1h	walleye	0	0	32	169.7	92.6	0.9	0.02	0.2	0	1.99	**19.16**	2.506	0.154
1i	whitefish	0	0	32	169.7	92.6	0.9	0.02	0.15	0	1.98	**18.911**	2.453	0.15
RFA-002														
2	no fish	0	0	32	145.6	92.6	0.9	0.02	0.12	0	1.9	**16.584**	1.982	0.112
2a	burbot	0	0	32	145.6	92.6	0.9	0.02	0.19	0	1.91	**16.92**	2.047	0.117
2b	kokanee	0	0	32	145.6	92.6	0.9	0.02	0.13	0	1.9	**16.632**	1.991	0.112
2c	northern pike	0	0	32	145.6	92.6	0.9	0.02	0.13	0	1.9	**16.632**	1.991	0.112
2d	rainbow trout	0	0	32	145.6	92.6	0.9	0.02	0.19	0	1.91	**16.92**	2.047	0.117
2e	smallmouth bass	0	0	32	145.6	92.6	0.9	0.02	0.17	0	1.91	**16.824**	2.028	0.115
2f	sturgeon	0	0	32	145.6	92.6	0.9	0.02	0.14	0	1.9	**16.68**	2	0.113
2g	sucker	0	0	32	145.6	92.6	0.9	0.02	0.55	0	1.97	**18.678**	2.404	0.146
2h	walleye	0	0	32	145.6	92.6	0.9	0.02	0.2	0	1.91	**16.968**	2.056	0.117
2i	whitefish	0	0	32	145.6	92.6	0.9	0.02	0.15	0	1.91	**16.728**	2.009	0.114
RFA-003														
3	no fish	0	0	32	166	92.6	0.9	0.02	0.12	0	1.97	**18.422**	2.35	0.141
3a	burbot	0	0	32	166	92.6	0.9	0.02	0.19	0	1.98	**18.768**	2.423	0.147
3b	kokanee	0	0	32	166	92.6	0.9	0.02	0.13	0	1.97	**18.472**	2.361	0.142
3c	northern pike	0	0	32	166	92.6	0.9	0.02	0.13	0	1.97	**18.472**	2.361	0.142
3d	rainbow trout	0	0	32	166	92.6	0.9	0.02	0.19	0	1.98	**18.768**	2.423	0.147
3e	smallmouth bass	0	0	32	166	92.6	0.9	0.02	0.17	0	1.97	**18.669**	2.402	0.146
3f	sturgeon	0	0	32	166	92.6	0.9	0.02	0.14	0	1.97	**18.521**	2.371	0.143
3g	sucker	0	0	32	166	92.6	0.9	0.02	0.55	0	2.04	**20.573**	2.818	0.182
3h	walleye	0	0	32	166	92.6	0.9	0.02	0.2	0	1.98	**18.818**	2.433	0.148
3i	whitefish	0	0	32	166	92.6	0.9	0.02	0.15	0	1.97	**18.57**	2.381	0.144
RFA-004														
4	no fish	0	0	32	151.9	92.6	0.9	0.02	0.12	0	1.92	**17.148**	2.092	0.12
4a	burbot	0	0	32	151.9	92.6	0.9	0.02	0.19	0	1.93	**17.487**	2.159	0.126

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
4b	kokanee	0	0	32	151.9	92.6	0.9	0.02	0.13	0	1.92	**17.196**	2.101	0.121
4c	northern pike	0	0	32	151.9	92.6	0.9	0.02	0.13	0	1.92	**17.196**	2.101	0.121
4d	rainbow trout	0	0	32	151.9	92.6	0.9	0.02	0.19	0	1.93	**17.487**	2.159	0.126
4e	smallmouth bass	0	0	32	151.9	92.6	0.9	0.02	0.17	0	1.93	**17.39**	2.14	0.124
4f	sturgeon	0	0	32	151.9	92.6	0.9	0.02	0.14	0	1.92	**17.245**	2.111	0.122
4g	sucker	0	0	32	151.9	92.6	0.9	0.02	0.55	0	1.99	**19.26**	2.528	0.156
4h	walleye	0	0	32	151.9	92.6	0.9	0.02	0.2	0	1.93	**17.536**	2.169	0.126
4i	whitefish	0	0	32	151.9	92.6	0.9	0.02	0.15	0	1.93	**17.293**	2.12	0.122
RFA-005														
5	no fish	0	0	32	154.6	92.6	0.9	0.02	0.12	0	1.93	**17.382**	2.138	0.124
5a	burbot	0	0	32	154.6	92.6	0.9	0.02	0.19	0	1.94	**17.723**	2.207	0.129
5b	kokanee	0	0	32	154.6	92.6	0.9	0.02	0.13	0	1.93	**17.431**	2.148	0.125
5c	northern pike	0	0	32	154.6	92.6	0.9	0.02	0.13	0	1.93	**17.431**	2.148	0.125
5d	rainbow trout	0	0	32	154.6	92.6	0.9	0.02	0.19	0	1.94	**17.723**	2.207	0.129
5e	smallmouth bass	0	0	32	154.6	92.6	0.9	0.02	0.17	0	1.94	**17.625**	2.187	0.128
5f	sturgeon	0	0	32	154.6	92.6	0.9	0.02	0.14	0	1.93	**17.479**	2.157	0.125
5g	sucker	0	0	32	154.6	92.6	0.9	0.02	0.55	0	2	**19.502**	2.58	0.161
5h	walleye	0	0	32	154.6	92.6	0.9	0.02	0.2	0	1.94	**17.771**	2.216	0.13
5i	whitefish	0	0	32	154.6	92.6	0.9	0.02	0.15	0	1.93	**17.528**	2.167	0.126
RFB-002														
6	no fish	0	0	32	133.3	92.6	0.9	0.02	0.12	0	1.86	**15.495**	1.776	0.096
6a	burbot	0	0	32	133.3	92.6	0.9	0.02	0.19	0	1.87	**15.824**	1.837	0.101
6b	kokanee	0	0	32	133.3	92.6	0.9	0.02	0.13	0	1.86	**15.542**	1.785	0.097
6c	northern pike	0	0	32	133.3	92.6	0.9	0.02	0.13	0	1.86	**15.542**	1.785	0.097
6d	rainbow trout	0	0	32	133.3	92.6	0.9	0.02	0.19	0	1.87	**15.824**	1.837	0.101
6e	smallmouth bass	0	0	32	133.3	92.6	0.9	0.02	0.17	0	1.87	**15.73**	1.82	0.099
6f	sturgeon	0	0	32	133.3	92.6	0.9	0.02	0.14	0	1.86	**15.589**	1.794	0.097
6g	sucker	0	0	32	133.3	92.6	0.9	0.02	0.55	0	1.94	**17.549**	2.171	0.127
6h	walleye	0	0	32	133.3	92.6	0.9	0.02	0.2	0	1.88	**15.871**	1.846	0.101
6i	whitefish	0	0	32	133.3	92.6	0.9	0.02	0.15	0	1.87	**15.636**	1.802	0.098
RFB-003														
7	no fish	0	0	32	125.8	92.6	0.9	0.02	0.12	0	1.84	**14.845**	1.659	0.087
7a	burbot	0	0	32	125.8	92.6	0.9	0.02	0.19	0	1.85	**15.17**	1.717	0.092
7b	kokanee	0	0	32	125.8	92.6	0.9	0.02	0.13	0	1.84	**14.892**	1.667	0.088
7c	northern pike	0	0	32	125.8	92.6	0.9	0.02	0.13	0	1.84	**14.892**	1.667	0.088
7d	rainbow trout	0	0	32	125.8	92.6	0.9	0.02	0.19	0	1.85	**15.17**	1.717	0.092
7e	smallmouth bass	0	0	32	125.8	92.6	0.9	0.02	0.17	0	1.85	**15.077**	1.7	0.09
7f	sturgeon	0	0	32	125.8	92.6	0.9	0.02	0.14	0	1.84	**14.938**	1.675	0.089
7g	sucker	0	0	32	125.8	92.6	0.9	0.02	0.55	0	1.91	**16.873**	2.038	0.116
7h	walleye	0	0	32	125.8	92.6	0.9	0.02	0.2	0	1.85	**15.216**	1.725	0.092
7i	whitefish	0	0	32	125.8	92.6	0.9	0.02	0.15	0	1.84	**14.984**	1.684	0.089
RFB-008														
8	no fish	0	0	32	119.1	92.6	0.9	0.02	0.12	0	1.82	**14.277**	1.559	0.08
8a	burbot	0	0	32	119.1	92.6	0.9	0.02	0.19	0	1.83	**14.597**	1.615	0.084
8b	kokanee	0	0	32	119.1	92.6	0.9	0.02	0.13	0	1.82	**14.323**	1.567	0.081
8c	northern pike	0	0	32	119.1	92.6	0.9	0.02	0.13	0	1.82	**14.323**	1.567	0.081
8d	rainbow trout	0	0	32	119.1	92.6	0.9	0.02	0.19	0	1.83	**14.597**	1.615	0.084
8e	smallmouth bass	0	0	32	119.1	92.6	0.9	0.02	0.17	0	1.82	**14.506**	1.599	0.083
8f	sturgeon	0	0	32	119.1	92.6	0.9	0.02	0.14	0	1.82	**14.369**	1.575	0.081
8g	sucker	0	0	32	119.1	92.6	0.9	0.02	0.55	0	1.89	**16.28**	1.923	0.107
8h	walleye	0	0	32	119.1	92.6	0.9	0.02	0.2	0	1.83	**14.643**	1.623	0.085
8i	whitefish	0	0	32	119.1	92.6	0.9	0.02	0.15	0	1.82	**14.414**	1.583	0.082
RFC-003														

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9	no fish	0	0	32	166.9	92.6	0.9	0.02	0.12	0	1.97	**18.509**	2.369	0.143
9a	burbot	0	0	32	166.9	92.6	0.9	0.02	0.19	0	1.98	**18.856**	2.441	0.149
9b	kokanee	0	0	32	166.9	92.6	0.9	0.02	0.13	0	1.97	**18.559**	2.379	0.144
9c	northern pike	0	0	32	166.9	92.6	0.9	0.02	0.13	0	1.97	**18.559**	2.379	0.144
9d	rainbow trout	0	0	32	166.9	92.6	0.9	0.02	0.19	0	1.98	**18.856**	2.441	0.149
9e	smallmouth bass	0	0	32	166.9	92.6	0.9	0.02	0.17	0	1.98	**18.757**	2.42	0.147
9f	sturgeon	0	0	32	166.9	92.6	0.9	0.02	0.14	0	1.97	**18.608**	2.389	0.144
9g	sucker	0	0	32	166.9	92.6	0.9	0.02	0.55	0	2.04	**20.662**	2.839	0.184
9g	walleye	0	0	32	166.9	92.6	0.9	0.02	0.2	0	1.98	**18.905**	2.452	0.15
9i	whitefish	0	0	32	166.9	92.6	0.9	0.02	0.15	0	1.97	**18.658**	2.4	0.145
RFC-004														
10	no fish	0	0	32	139	92.6	0.9	0.02	0.12	0	1.88	**15.995**	1.869	0.103
10a	burbot	0	0	32	139	92.6	0.9	0.02	0.19	0	1.89	**16.327**	1.932	0.108
10b	kokanee	0	0	32	139	92.6	0.9	0.02	0.13	0	1.88	**16.042**	1.878	0.104
10c	northern pike	0	0	32	139	92.6	0.9	0.02	0.13	0	1.88	**16.042**	1.878	0.104
10d	rainbow trout	0	0	32	139	92.6	0.9	0.02	0.19	0	1.89	**16.327**	1.932	0.108
10e	smallmouth bass	0	0	32	139	92.6	0.9	0.02	0.17	0	1.89	**16.232**	1.914	0.106
10f	sturgeon	0	0	32	139	92.6	0.9	0.02	0.14	0	1.88	**16.089**	1.887	0.104
10g	sucker	0	0	32	139	92.6	0.9	0.02	0.55	0	1.95	**18.068**	2.277	0.135
10h	walleye	0	0	32	139	92.6	0.9	0.02	0.2	0	1.89	**16.375**	1.941	0.108
10i	whitefish	0	0	32	139	92.6	0.9	0.02	0.15	0	1.88	**16.137**	1.896	0.105
RFC-005														
11	no fish	0	0	32	177.7	92.6	0.9	0.02	0.12	0	2	**19.506**	2.581	0.161
11a	burbot	0	0	32	177.7	92.6	0.9	0.02	0.19	0	2.02	**19.857**	2.658	0.168
11b	kokanee	0	0	32	177.7	92.6	0.9	0.02	0.13	0	2	**19.556**	2.592	0.162
11c	northern pike	0	0	32	177.7	92.6	0.9	0.02	0.13	0	2	**19.556**	2.592	0.162
11d	rainbow trout	0	0	32	177.7	92.6	0.9	0.02	0.19	0	2.02	**19.857**	2.658	0.168
11e	smallmouth bass	0	0	32	177.7	92.6	0.9	0.02	0.17	0	2.01	**19.757**	2.636	0.166
11f	sturgeon	0	0	32	177.7	92.6	0.9	0.02	0.14	0	2.01	**19.606**	2.603	0.163
11g	sucker	0	0	32	177.7	92.6	0.9	0.02	0.55	0	2.08	**21.685**	3.076	0.205
11h	walleye	0	0	32	177.7	92.6	0.9	0.02	0.2	0	2.02	**19.908**	2.669	0.169
11i	whitefish	0	0	32	177.7	92.6	0.9	0.02	0.15	0	2.01	**19.657**	2.614	0.164
RFC-006														
12	no fish	0	0	32	159.6	92.6	0.9	0.02	0.12	0	1.95	**17.836**	2.23	0.131
12a	burbot	0	0	32	159.6	92.6	0.9	0.02	0.19	0	1.96	**18.179**	2.3	0.137
12b	kokanee	0	0	32	159.6	92.6	0.9	0.02	0.13	0	1.95	**17.885**	2.24	0.132
12c	northern pike	0	0	32	159.6	92.6	0.9	0.02	0.13	0	1.95	**17.885**	2.24	0.132
12d	rainbow trout	0	0	32	159.6	92.6	0.9	0.02	0.19	0	1.96	**18.179**	2.3	0.137
12e	smallmouth bass	0	0	32	159.6	92.6	0.9	0.02	0.17	0	1.95	**18.081**	2.28	0.135
12f	sturgeon	0	0	32	159.6	92.6	0.9	0.02	0.14	0	1.95	**17.934**	2.249	0.133
12g	sucker	0	0	32	159.6	92.6	0.9	0.02	0.55	0	2.02	**19.97**	2.683	0.17
12h	walleye	0	0	32	159.6	92.6	0.9	0.02	0.2	0	1.96	**18.228**	2.31	0.138
12i	whitefish	0	0	32	159.6	92.6	0.9	0.02	0.15	0	1.95	**17.983**	2.259	0.134
RFC-007														
13	no fish	0	0	32	162.3	92.6	0.9	0.02	0.12	0	1.95	**18.085**	2.28	0.135
13a	burbot	0	0	32	162.3	92.6	0.9	0.02	0.19	0	1.97	**18.429**	2.352	0.141
13b	kokanee	0	0	32	162.3	92.6	0.9	0.02	0.13	0	1.96	**18.134**	2.291	0.136
13c	northern pike	0	0	32	162.3	92.6	0.9	0.02	0.13	0	1.96	**18.134**	2.291	0.136
13d	rainbow trout	0	0	32	162.3	92.6	0.9	0.02	0.19	0	1.97	**18.429**	2.352	0.141
13e	smallmouth bass	0	0	32	162.3	92.6	0.9	0.02	0.17	0	1.96	**18.33**	2.331	0.14
13f	sturgeon	0	0	32	162.3	92.6	0.9	0.02	0.14	0	1.96	**18.183**	2.301	0.137
13g	sucker	0	0	32	162.3	92.6	0.9	0.02	0.55	0	2.03	**20.226**	2.74	0.175
13h	walleye	0	0	32	162.3	92.6	0.9	0.02	0.2	0	1.97	**18.478**	2.362	0.142

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
13i	whitefish	0	0	32	162.3	92.6	0.9	0.02	0.15	0	1.96	**18.232**	2.311	0.138
RFC-008														
14	no fish	0	0	32	159	92.6	0.9	0.02	0.12	0	1.94	**17.781**	2.218	0.13
14a	burbot	0	0	32	159	92.6	0.9	0.02	0.19	0	1.96	**18.124**	2.289	0.136
14b	kokanee	0	0	32	159	92.6	0.9	0.02	0.13	0	1.95	**17.83**	2.228	0.131
14c	northern pike	0	0	32	159	92.6	0.9	0.02	0.13	0	1.95	**17.83**	2.228	0.131
14d	rainbow trout	0	0	32	159	92.6	0.9	0.02	0.19	0	1.96	**18.124**	2.289	0.136
14e	smallmouth bass	0	0	32	159	92.6	0.9	0.02	0.17	0	1.95	**18.026**	2.268	0.134
14f	sturgeon	0	0	32	159	92.6	0.9	0.02	0.14	0	1.95	**17.879**	2.238	0.132
14g	sucker	0	0	32	159	92.6	0.9	0.02	0.55	0	2.02	**19.914**	2.671	0.169
14h	walleye	0	0	32	159	92.6	0.9	0.02	0.2	0	1.96	**18.173**	2.299	0.137
14i	whitefish	0	0	32	159	92.6	0.9	0.02	0.15	0	1.95	**17.928**	2.248	0.133
RFD-002														
15	no fish	0	0	32	155.5	92.6	0.9	0.02	0.12	0	1.93	**17.466**	2.155	0.125
15a	burbot	0	0	32	155.5	92.6	0.9	0.02	0.19	0	1.94	**17.807**	2.224	0.131
15b	kokanee	0	0	32	155.5	92.6	0.9	0.02	0.13	0	1.93	**17.515**	2.165	0.126
15c	northern pike	0	0	32	155.5	92.6	0.9	0.02	0.13	0	1.93	**17.515**	2.165	0.126
15d	rainbow trout	0	0	32	155.5	92.6	0.9	0.02	0.19	0	1.94	**17.807**	2.224	0.131
15e	smallmouth bass	0	0	32	155.5	92.6	0.9	0.02	0.17	0	1.94	**17.709**	2.204	0.129
15f	sturgeon	0	0	32	155.5	92.6	0.9	0.02	0.14	0	1.94	**17.563**	2.174	0.127
15g	sucker	0	0	32	155.5	92.6	0.9	0.02	0.55	0	2.01	**19.589**	2.599	0.162
15h	walleye	0	0	32	155.5	92.6	0.9	0.02	0.2	0	1.95	**17.856**	2.234	0.132
15i	whitefish	0	0	32	155.5	92.6	0.9	0.02	0.15	0	1.94	**17.612**	2.184	0.128
RFD-003														
16	no fish	0	0	32	154.5	92.6	0.9	0.02	0.12	0	1.93	**17.377**	2.137	0.124
16a	burbot	0	0	32	154.5	92.6	0.9	0.02	0.19	0	1.94	**17.717**	2.205	0.129
16b	kokanee	0	0	32	154.5	92.6	0.9	0.02	0.13	0	1.93	**17.425**	2.147	0.125
16c	northern pike	0	0	32	154.5	92.6	0.9	0.02	0.13	0	1.93	**17.425**	2.147	0.125
16d	rainbow trout	0	0	32	154.5	92.6	0.9	0.02	0.19	0	1.94	**17.717**	2.205	0.129
16e	smallmouth bass	0	0	32	154.5	92.6	0.9	0.02	0.17	0	1.94	**17.62**	2.186	0.128
16f	sturgeon	0	0	32	154.5	92.6	0.9	0.02	0.14	0	1.93	**17.474**	2.156	0.125
16g	sucker	0	0	32	154.5	92.6	0.9	0.02	0.55	0	2	**19.496**	2.579	0.161
16h	walleye	0	0	32	154.5	92.6	0.9	0.02	0.2	0	1.94	**17.766**	2.215	0.13
16i	whitefish	0	0	32	154.5	92.6	0.9	0.02	0.15	0	1.93	**17.522**	2.166	0.126

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 8/29/2019
Site Name: UCR
Operable Unit: Recreational Visitor, Boat Trips to Relict Floodplains, With and Without Fish Consumption
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3 µg/dL, 5 µg/dL, 8 µg/dL

Input File: RF Boaters UPSOIL_RF149UM_EPCS SED SW FISH MHF_08`29`2019.dat

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
RFA-001														
1	no fish	0	0	32	169.7	92.6	0.9	0.02	0.1	0	1.98	**18.689**	2.406	0.146
1a	burbot	0	0	32	169.7	92.6	0.9	0.02	0.17	0	1.99	**19.036**	2.48	0.152
1b	kokanee	0	0	32	169.7	92.6	0.9	0.02	0.11	0	1.98	**18.739**	2.417	0.147
1c	northern pike	0	0	32	169.7	92.6	0.9	0.02	0.11	0	1.98	**18.739**	2.417	0.147
1d	rainbow trout	0	0	32	169.7	92.6	0.9	0.02	0.17	0	1.99	**19.036**	2.48	0.152
1e	smallmouth bass	0	0	32	169.7	92.6	0.9	0.02	0.15	0	1.98	**18.937**	2.459	0.15
1f	sturgeon	0	0	32	169.7	92.6	0.9	0.02	0.12	0	1.98	**18.788**	2.427	0.148
1g	sucker	0	0	32	169.7	92.6	0.9	0.02	0.53	0	2.05	**20.847**	2.881	0.187
1h	walleye	0	0	32	169.7	92.6	0.9	0.02	0.18	0	1.99	**19.086**	2.491	0.153
1i	whitefish	0	0	32	169.7	92.6	0.9	0.02	0.13	0	1.98	**18.838**	2.438	0.149
RFA-002														
2	no fish	0	0	32	145.7	92.6	0.9	0.02	0.1	0	1.9	**16.516**	1.968	0.111
2a	burbot	0	0	32	145.7	92.6	0.9	0.02	0.17	0	1.91	**16.852**	2.033	0.116
2b	kokanee	0	0	32	145.7	92.6	0.9	0.02	0.11	0	1.9	**16.564**	1.978	0.111
2c	northern pike	0	0	32	145.7	92.6	0.9	0.02	0.11	0	1.9	**16.564**	1.978	0.111
2d	rainbow trout	0	0	32	145.7	92.6	0.9	0.02	0.17	0	1.91	**16.852**	2.033	0.116
2e	smallmouth bass	0	0	32	145.7	92.6	0.9	0.02	0.15	0	1.91	**16.755**	2.015	0.114
2f	sturgeon	0	0	32	145.7	92.6	0.9	0.02	0.12	0	1.9	**16.612**	1.987	0.112
2g	sucker	0	0	32	145.7	92.6	0.9	0.02	0.53	0	1.97	**18.608**	2.389	0.144
2h	walleye	0	0	32	145.7	92.6	0.9	0.02	0.18	0	1.91	**16.9**	2.043	0.116
2i	whitefish	0	0	32	145.7	92.6	0.9	0.02	0.13	0	1.9	**16.66**	1.996	0.113
RFA-003														
3	no fish	0	0	32	166	92.6	0.9	0.02	0.1	0	1.96	**18.349**	2.335	0.14
3a	burbot	0	0	32	166	92.6	0.9	0.02	0.17	0	1.98	**18.695**	2.407	0.146
3b	kokanee	0	0	32	166	92.6	0.9	0.02	0.11	0	1.96	**18.398**	2.345	0.141
3c	northern pike	0	0	32	166	92.6	0.9	0.02	0.11	0	1.96	**18.398**	2.345	0.141
3d	rainbow trout	0	0	32	166	92.6	0.9	0.02	0.17	0	1.98	**18.695**	2.407	0.146
3e	smallmouth bass	0	0	32	166	92.6	0.9	0.02	0.15	0	1.97	**18.596**	2.387	0.144
3f	sturgeon	0	0	32	166	92.6	0.9	0.02	0.12	0	1.97	**18.448**	2.356	0.142
3g	sucker	0	0	32	166	92.6	0.9	0.02	0.53	0	2.04	**20.498**	2.801	0.18
3h	walleye	0	0	32	166	92.6	0.9	0.02	0.18	0	1.98	**18.744**	2.418	0.147
3i	whitefish	0	0	32	166	92.6	0.9	0.02	0.13	0	1.97	**18.497**	2.366	0.143
RFA-004														
4	no fish	0	0	32	152	92.6	0.9	0.02	0.1	0	1.92	**17.079**	2.078	0.119
4a	burbot	0	0	32	152	92.6	0.9	0.02	0.17	0	1.93	**17.418**	2.145	0.124

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
4b	kokanee	0	0	32	152	92.6	0.9	0.02	0.11	0	1.92	**17.127**	2.087	0.12
4c	northern pike	0	0	32	152	92.6	0.9	0.02	0.11	0	1.92	**17.127**	2.087	0.12
4d	rainbow trout	0	0	32	152	92.6	0.9	0.02	0.17	0	1.93	**17.418**	2.145	0.124
4e	smallmouth bass	0	0	32	152	92.6	0.9	0.02	0.15	0	1.93	**17.321**	2.126	0.123
4f	sturgeon	0	0	32	152	92.6	0.9	0.02	0.12	0	1.92	**17.176**	2.097	0.121
4g	sucker	0	0	32	152	92.6	0.9	0.02	0.53	0	1.99	**19.189**	2.513	0.155
4h	walleye	0	0	32	152	92.6	0.9	0.02	0.18	0	1.93	**17.466**	2.155	0.125
4i	whitefish	0	0	32	152	92.6	0.9	0.02	0.13	0	1.92	**17.224**	2.107	0.121
RFA-005														
5	no fish	0	0	32	154.6	92.6	0.9	0.02	0.1	0	1.93	**17.313**	2.124	0.123
5a	burbot	0	0	32	154.6	92.6	0.9	0.02	0.17	0	1.94	**17.653**	2.192	0.128
5b	kokanee	0	0	32	154.6	92.6	0.9	0.02	0.11	0	1.93	**17.361**	2.134	0.124
5c	northern pike	0	0	32	154.6	92.6	0.9	0.02	0.11	0	1.93	**17.361**	2.134	0.124
5d	rainbow trout	0	0	32	154.6	92.6	0.9	0.02	0.17	0	1.94	**17.653**	2.192	0.128
5e	smallmouth bass	0	0	32	154.6	92.6	0.9	0.02	0.15	0	1.94	**17.556**	2.173	0.127
5f	sturgeon	0	0	32	154.6	92.6	0.9	0.02	0.12	0	1.93	**17.41**	2.144	0.124
5g	sucker	0	0	32	154.6	92.6	0.9	0.02	0.53	0	2	**19.431**	2.565	0.159
5h	walleye	0	0	32	154.6	92.6	0.9	0.02	0.18	0	1.94	**17.702**	2.202	0.129
5i	whitefish	0	0	32	154.6	92.6	0.9	0.02	0.13	0	1.93	**17.458**	2.153	0.125
RFB-002														
6	no fish	0	0	32	133.3	92.6	0.9	0.02	0.1	0	1.86	**15.425**	1.764	0.095
6a	burbot	0	0	32	133.3	92.6	0.9	0.02	0.17	0	1.87	**15.754**	1.824	0.1
6b	kokanee	0	0	32	133.3	92.6	0.9	0.02	0.11	0	1.86	**15.472**	1.772	0.096
6c	northern pike	0	0	32	133.3	92.6	0.9	0.02	0.11	0	1.86	**15.472**	1.772	0.096
6d	rainbow trout	0	0	32	133.3	92.6	0.9	0.02	0.17	0	1.87	**15.754**	1.824	0.1
6e	smallmouth bass	0	0	32	133.3	92.6	0.9	0.02	0.15	0	1.87	**15.66**	1.807	0.098
6f	sturgeon	0	0	32	133.3	92.6	0.9	0.02	0.12	0	1.86	**15.519**	1.781	0.096
6g	sucker	0	0	32	133.3	92.6	0.9	0.02	0.53	0	1.93	**17.477**	2.157	0.125
6h	walleye	0	0	32	133.3	92.6	0.9	0.02	0.18	0	1.87	**15.801**	1.833	0.1
6i	whitefish	0	0	32	133.3	92.6	0.9	0.02	0.13	0	1.86	**15.564**	1.789	0.097
RFB-003														
7	no fish	0	0	32	125.8	92.6	0.9	0.02	0.1	0	1.83	**14.775**	1.646	0.087
7a	burbot	0	0	32	125.8	92.6	0.9	0.02	0.17	0	1.85	**15.099**	1.704	0.091
7b	kokanee	0	0	32	125.8	92.6	0.9	0.02	0.11	0	1.84	**14.821**	1.655	0.087
7c	northern pike	0	0	32	125.8	92.6	0.9	0.02	0.11	0	1.84	**14.821**	1.655	0.087
7d	rainbow trout	0	0	32	125.8	92.6	0.9	0.02	0.17	0	1.85	**15.099**	1.704	0.091
7e	smallmouth bass	0	0	32	125.8	92.6	0.9	0.02	0.15	0	1.84	**15.006**	1.688	0.09
7f	sturgeon	0	0	32	125.8	92.6	0.9	0.02	0.12	0	1.84	**14.868**	1.663	0.088
7g	sucker	0	0	32	125.8	92.6	0.9	0.02	0.53	0	1.91	**16.8**	2.023	0.115
7h	walleye	0	0	32	125.8	92.6	0.9	0.02	0.18	0	1.85	**15.145**	1.713	0.091
7i	whitefish	0	0	32	125.8	92.6	0.9	0.02	0.13	0	1.84	**14.914**	1.671	0.088
RFB-008														
8	no fish	0	0	32	119.1	92.6	0.9	0.02	0.1	0	1.81	**14.208**	1.547	0.079
8a	burbot	0	0	32	119.1	92.6	0.9	0.02	0.17	0	1.83	**14.528**	1.603	0.083
8b	kokanee	0	0	32	119.1	92.6	0.9	0.02	0.11	0	1.82	**14.254**	1.555	0.08
8c	northern pike	0	0	32	119.1	92.6	0.9	0.02	0.11	0	1.82	**14.254**	1.555	0.08
8d	rainbow trout	0	0	32	119.1	92.6	0.9	0.02	0.17	0	1.83	**14.528**	1.603	0.083
8e	smallmouth bass	0	0	32	119.1	92.6	0.9	0.02	0.15	0	1.82	**14.436**	1.587	0.082
8f	sturgeon	0	0	32	119.1	92.6	0.9	0.02	0.12	0	1.82	**14.299**	1.563	0.081
8g	sucker	0	0	32	119.1	92.6	0.9	0.02	0.53	0	1.89	**16.208**	1.91	0.106
8h	walleye	0	0	32	119.1	92.6	0.9	0.02	0.18	0	1.83	**14.573**	1.611	0.084
8i	whitefish	0	0	32	119.1	92.6	0.9	0.02	0.13	0	1.82	**14.345**	1.571	0.081
RFC-003														

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
9	no fish	0	0	32	166.9	92.6	0.9	0.02	0.1	0	1.97	**18.434**	2.353	0.141
9a	burbot	0	0	32	166.9	92.6	0.9	0.02	0.17	0	1.98	**18.781**	2.426	0.148
9b	kokanee	0	0	32	166.9	92.6	0.9	0.02	0.11	0	1.97	**18.484**	2.363	0.142
9c	northern pike	0	0	32	166.9	92.6	0.9	0.02	0.11	0	1.97	**18.484**	2.363	0.142
9d	rainbow trout	0	0	32	166.9	92.6	0.9	0.02	0.17	0	1.98	**18.781**	2.426	0.148
9e	smallmouth bass	0	0	32	166.9	92.6	0.9	0.02	0.15	0	1.97	**18.681**	2.405	0.146
9f	sturgeon	0	0	32	166.9	92.6	0.9	0.02	0.12	0	1.97	**18.533**	2.373	0.143
9g	sucker	0	0	32	166.9	92.6	0.9	0.02	0.53	0	2.04	**20.585**	2.821	0.182
9g	walleye	0	0	32	166.9	92.6	0.9	0.02	0.18	0	1.98	**18.83**	2.436	0.148
9i	whitefish	0	0	32	166.9	92.6	0.9	0.02	0.13	0	1.97	**18.583**	2.384	0.144
RFC-004														
10	no fish	0	0	32	139	92.6	0.9	0.02	0.1	0	1.88	**15.923**	1.856	0.102
10a	burbot	0	0	32	139	92.6	0.9	0.02	0.17	0	1.89	**16.255**	1.918	0.107
10b	kokanee	0	0	32	139	92.6	0.9	0.02	0.11	0	1.88	**15.97**	1.865	0.103
10c	northern pike	0	0	32	139	92.6	0.9	0.02	0.11	0	1.88	**15.97**	1.865	0.103
10d	rainbow trout	0	0	32	139	92.6	0.9	0.02	0.17	0	1.89	**16.255**	1.918	0.107
10e	smallmouth bass	0	0	32	139	92.6	0.9	0.02	0.15	0	1.89	**16.16**	1.9	0.105
10f	sturgeon	0	0	32	139	92.6	0.9	0.02	0.12	0	1.88	**16.018**	1.874	0.103
10g	sucker	0	0	32	139	92.6	0.9	0.02	0.53	0	1.95	**17.993**	2.262	0.134
10h	walleye	0	0	32	139	92.6	0.9	0.02	0.18	0	1.89	**16.302**	1.927	0.107
10i	whitefish	0	0	32	139	92.6	0.9	0.02	0.13	0	1.88	**16.065**	1.882	0.104
RFC-005														
11	no fish	0	0	32	177.7	92.6	0.9	0.02	0.1	0	2	**19.43**	2.565	0.159
11a	burbot	0	0	32	177.7	92.6	0.9	0.02	0.17	0	2.01	**19.781**	2.641	0.166
11b	kokanee	0	0	32	177.7	92.6	0.9	0.02	0.11	0	2	**19.48**	2.576	0.16
11c	northern pike	0	0	32	177.7	92.6	0.9	0.02	0.11	0	2	**19.48**	2.576	0.16
11d	rainbow trout	0	0	32	177.7	92.6	0.9	0.02	0.17	0	2.01	**19.781**	2.641	0.166
11e	smallmouth bass	0	0	32	177.7	92.6	0.9	0.02	0.15	0	2.01	**19.681**	2.619	0.164
11f	sturgeon	0	0	32	177.7	92.6	0.9	0.02	0.12	0	2	**19.53**	2.587	0.161
11g	sucker	0	0	32	177.7	92.6	0.9	0.02	0.53	0	2.07	**21.607**	3.058	0.204
11h	walleye	0	0	32	177.7	92.6	0.9	0.02	0.18	0	2.01	**19.831**	2.652	0.167
11i	whitefish	0	0	32	177.7	92.6	0.9	0.02	0.13	0	2.01	**19.58**	2.597	0.162
RFC-006														
12	no fish	0	0	32	159.6	92.6	0.9	0.02	0.1	0	1.94	**17.762**	2.214	0.13
12a	burbot	0	0	32	159.6	92.6	0.9	0.02	0.17	0	1.95	**18.104**	2.284	0.136
12b	kokanee	0	0	32	159.6	92.6	0.9	0.02	0.11	0	1.94	**17.81**	2.224	0.131
12c	northern pike	0	0	32	159.6	92.6	0.9	0.02	0.11	0	1.94	**17.81**	2.224	0.131
12d	rainbow trout	0	0	32	159.6	92.6	0.9	0.02	0.17	0	1.95	**18.104**	2.284	0.136
12e	smallmouth bass	0	0	32	159.6	92.6	0.9	0.02	0.15	0	1.95	**18.006**	2.264	0.134
12f	sturgeon	0	0	32	159.6	92.6	0.9	0.02	0.12	0	1.95	**17.859**	2.234	0.132
12g	sucker	0	0	32	159.6	92.6	0.9	0.02	0.53	0	2.02	**19.893**	2.666	0.168
12h	walleye	0	0	32	159.6	92.6	0.9	0.02	0.18	0	1.96	**18.153**	2.295	0.137
12i	whitefish	0	0	32	159.6	92.6	0.9	0.02	0.13	0	1.95	**17.908**	2.244	0.132
RFC-007														
13	no fish	0	0	32	162.3	92.6	0.9	0.02	0.1	0	1.95	**18.01**	2.265	0.134
13a	burbot	0	0	32	162.3	92.6	0.9	0.02	0.17	0	1.96	**18.354**	2.336	0.14
13b	kokanee	0	0	32	162.3	92.6	0.9	0.02	0.11	0	1.95	**18.059**	2.275	0.135
13c	northern pike	0	0	32	162.3	92.6	0.9	0.02	0.11	0	1.95	**18.059**	2.275	0.135
13d	rainbow trout	0	0	32	162.3	92.6	0.9	0.02	0.17	0	1.96	**18.354**	2.336	0.14
13e	smallmouth bass	0	0	32	162.3	92.6	0.9	0.02	0.15	0	1.96	**18.256**	2.316	0.138
13f	sturgeon	0	0	32	162.3	92.6	0.9	0.02	0.12	0	1.95	**18.108**	2.285	0.136
13g	sucker	0	0	32	162.3	92.6	0.9	0.02	0.53	0	2.02	**20.149**	2.723	0.173
13h	walleye	0	0	32	162.3	92.6	0.9	0.02	0.18	0	1.97	**18.403**	2.346	0.141

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
13i	whitefish	0	0	32	162.3	92.6	0.9	0.02	0.13	0	1.96	**18.157**	2.295	0.137
RFC-008														
14	no fish	0	0	32	159	92.6	0.9	0.02	0.1	0	1.94	**17.707**	2.203	0.129
14a	burbot	0	0	32	159	92.6	0.9	0.02	0.17	0	1.95	**18.05**	2.273	0.135
14b	kokanee	0	0	32	159	92.6	0.9	0.02	0.11	0	1.94	**17.756**	2.213	0.13
14c	northern pike	0	0	32	159	92.6	0.9	0.02	0.11	0	1.94	**17.756**	2.213	0.13
14d	rainbow trout	0	0	32	159	92.6	0.9	0.02	0.17	0	1.95	**18.05**	2.273	0.135
14e	smallmouth bass	0	0	32	159	92.6	0.9	0.02	0.15	0	1.95	**17.952**	2.253	0.133
14f	sturgeon	0	0	32	159	92.6	0.9	0.02	0.12	0	1.94	**17.805**	2.223	0.131
14g	sucker	0	0	32	159	92.6	0.9	0.02	0.53	0	2.01	**19.837**	2.654	0.167
14h	walleye	0	0	32	159	92.6	0.9	0.02	0.18	0	1.95	**18.099**	2.283	0.136
14i	whitefish	0	0	32	159	92.6	0.9	0.02	0.13	0	1.95	**17.854**	2.233	0.132
RFD-002														
15	no fish	0	0	32	155.5	92.6	0.9	0.02	0.1	0	1.93	**17.392**	2.14	0.124
15a	burbot	0	0	32	155.5	92.6	0.9	0.02	0.17	0	1.94	**17.733**	2.209	0.13
15b	kokanee	0	0	32	155.5	92.6	0.9	0.02	0.11	0	1.93	**17.441**	2.15	0.125
15c	northern pike	0	0	32	155.5	92.6	0.9	0.02	0.11	0	1.93	**17.441**	2.15	0.125
15d	rainbow trout	0	0	32	155.5	92.6	0.9	0.02	0.17	0	1.94	**17.733**	2.209	0.13
15e	smallmouth bass	0	0	32	155.5	92.6	0.9	0.02	0.15	0	1.94	**17.635**	2.189	0.128
15f	sturgeon	0	0	32	155.5	92.6	0.9	0.02	0.12	0	1.93	**17.489**	2.16	0.126
15g	sucker	0	0	32	155.5	92.6	0.9	0.02	0.53	0	2	**19.513**	2.583	0.161
15h	walleye	0	0	32	155.5	92.6	0.9	0.02	0.18	0	1.94	**17.782**	2.219	0.13
15i	whitefish	0	0	32	155.5	92.6	0.9	0.02	0.13	0	1.93	**17.538**	2.169	0.126
RFD-003														
16	no fish	0	0	32	154.5	92.6	0.9	0.02	0.1	0	1.93	**17.303**	2.122	0.123
16a	burbot	0	0	32	154.5	92.6	0.9	0.02	0.17	0	1.94	**17.643**	2.19	0.128
16b	kokanee	0	0	32	154.5	92.6	0.9	0.02	0.11	0	1.93	**17.351**	2.132	0.123
16c	northern pike	0	0	32	154.5	92.6	0.9	0.02	0.11	0	1.93	**17.351**	2.132	0.123
16d	rainbow trout	0	0	32	154.5	92.6	0.9	0.02	0.17	0	1.94	**17.643**	2.19	0.128
16e	smallmouth bass	0	0	32	154.5	92.6	0.9	0.02	0.15	0	1.94	**17.546**	2.171	0.127
16f	sturgeon	0	0	32	154.5	92.6	0.9	0.02	0.12	0	1.93	**17.4**	2.142	0.124
16g	sucker	0	0	32	154.5	92.6	0.9	0.02	0.53	0	2	**19.421**	2.563	0.159
16h	walleye	0	0	32	154.5	92.6	0.9	0.02	0.18	0	1.94	**17.692**	2.2	0.129
16i	whitefish	0	0	32	154.5	92.6	0.9	0.02	0.13	0	1.93	**17.448**	2.151	0.125

LEAD BATCH MODE OUTPUT FILE
Model Version: 1.1 Build11

User Name: SRC
Date: 2/25/2020
Site Name: UCR
Operable Unit: Recreational Visitor, Camping Trips to Relict Floodplains, With and Without Fish Consumption
Run Mode: Research

* : signify default values used in place of missing input data.
# : signify surrogate values entered (determined) by user.
---: signify missing input data.
PBB & PRED are the observed and predicted blood Pb levels in µg/dL.

Percent exceedance was calculated using values of GSD and PbB Cutoff as follows:
GSD = 1.6
PbB Cutoff (C) = 3 µg/dL, 5 µg/dL, 8 µg/dL

Input File: Campers UPSOIL_RF149UM_SED SW FISH.dat

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
RFA-001														
1	no fish	0	0	32	169.7	92.6	0.9	0.02	0.23	0	2	**19.335**	2.544	0.158
1a	burbot	0	0	32	169.7	92.6	0.9	0.02	0.3	0	2.01	**19.686**	2.62	0.164
1b	kokanee	0	0	32	169.7	92.6	0.9	0.02	0.24	0	2	**19.385**	2.555	0.159
1c	northern pike	0	0	32	169.7	92.6	0.9	0.02	0.24	0	2	**19.385**	2.555	0.159
1d	rainbow trout	0	0	32	169.7	92.6	0.9	0.02	0.3	0	2.01	**19.686**	2.62	0.164
1e	smallmouth bass	0	0	32	169.7	92.6	0.9	0.02	0.28	0	2.01	**19.585**	2.599	0.162
1f	sturgeon	0	0	32	169.7	92.6	0.9	0.02	0.25	0	2	**19.435**	2.566	0.16
1g	sucker	0	0	32	169.7	92.6	0.9	0.02	0.66	0	2.07	**21.51**	3.035	0.202
1h	walleye	0	0	32	169.7	92.6	0.9	0.02	0.31	0	2.01	**19.736**	2.631	0.165
1i	whitefish	0	0	32	169.7	92.6	0.9	0.02	0.26	0	2	**19.485**	2.577	0.16
RFA-002														
2	no fish	0	0	32	145.7	92.6	0.9	0.02	0.23	0	1.92	**17.141**	2.09	0.12
2a	burbot	0	0	32	145.7	92.6	0.9	0.02	0.3	0	1.93	**17.48**	2.158	0.125
2b	kokanee	0	0	32	145.7	92.6	0.9	0.02	0.24	0	1.92	**17.189**	2.1	0.121
2c	northern pike	0	0	32	145.7	92.6	0.9	0.02	0.24	0	1.92	**17.189**	2.1	0.121
2d	rainbow trout	0	0	32	145.7	92.6	0.9	0.02	0.3	0	1.93	**17.48**	2.158	0.125
2e	smallmouth bass	0	0	32	145.7	92.6	0.9	0.02	0.28	0	1.93	**17.383**	2.138	0.124
2f	sturgeon	0	0	32	145.7	92.6	0.9	0.02	0.25	0	1.92	**17.237**	2.109	0.122
2g	sucker	0	0	32	145.7	92.6	0.9	0.02	0.66	0	1.99	**19.253**	2.526	0.156
2h	walleye	0	0	32	145.7	92.6	0.9	0.02	0.31	0	1.93	**17.529**	2.167	0.126
2i	whitefish	0	0	32	145.7	92.6	0.9	0.02	0.26	0	1.93	**17.286**	2.119	0.122
RFA-003														
3	no fish	0	0	32	166	92.6	0.9	0.02	0.23	0	1.99	**18.992**	2.471	0.151
3a	burbot	0	0	32	166	92.6	0.9	0.02	0.3	0	2	**19.341**	2.545	0.158
3b	kokanee	0	0	32	166	92.6	0.9	0.02	0.24	0	1.99	**19.042**	2.481	0.152
3c	northern pike	0	0	32	166	92.6	0.9	0.02	0.24	0	1.99	**19.042**	2.481	0.152
3d	rainbow trout	0	0	32	166	92.6	0.9	0.02	0.3	0	2	**19.341**	2.545	0.158
3e	smallmouth bass	0	0	32	166	92.6	0.9	0.02	0.28	0	1.99	**19.241**	2.524	0.156
3f	sturgeon	0	0	32	166	92.6	0.9	0.02	0.25	0	1.99	**19.092**	2.492	0.153
3g	sucker	0	0	32	166	92.6	0.9	0.02	0.66	0	2.06	**21.158**	2.953	0.194
3h	walleye	0	0	32	166	92.6	0.9	0.02	0.31	0	2	**19.391**	2.556	0.159
3i	whitefish	0	0	32	166	92.6	0.9	0.02	0.26	0	1.99	**19.142**	2.502	0.154
RFA-004														
4	no fish	0	0	32	152	92.6	0.9	0.02	0.23	0	1.94	**17.71**	2.204	0.129
4a	burbot	0	0	32	152	92.6	0.9	0.02	0.3	0	1.95	**18.052**	2.274	0.135

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
4b	kokanee	0	0	32	152	92.6	0.9	0.02	0.24	0	1.94	**17.759**	2.214	0.13
4c	northern pike	0	0	32	152	92.6	0.9	0.02	0.24	0	1.94	**17.759**	2.214	0.13
4d	rainbow trout	0	0	32	152	92.6	0.9	0.02	0.3	0	1.95	**18.052**	2.274	0.135
4e	smallmouth bass	0	0	32	152	92.6	0.9	0.02	0.28	0	1.95	**17.954**	2.254	0.133
4f	sturgeon	0	0	32	152	92.6	0.9	0.02	0.25	0	1.94	**17.807**	2.224	0.131
4g	sucker	0	0	32	152	92.6	0.9	0.02	0.66	0	2.01	**19.84**	2.654	0.167
4h	walleye	0	0	32	152	92.6	0.9	0.02	0.31	0	1.95	**18.101**	2.284	0.136
4i	whitefish	0	0	32	152	92.6	0.9	0.02	0.26	0	1.95	**17.856**	2.234	0.132
RFA-005														
5	no fish	0	0	32	154.6	92.6	0.9	0.02	0.23	0	1.95	**17.946**	2.252	0.133
5a	burbot	0	0	32	154.6	92.6	0.9	0.02	0.3	0	1.96	**18.29**	2.323	0.139
5b	kokanee	0	0	32	154.6	92.6	0.9	0.02	0.24	0	1.95	**17.995**	2.262	0.134
5c	northern pike	0	0	32	154.6	92.6	0.9	0.02	0.24	0	1.95	**17.995**	2.262	0.134
5d	rainbow trout	0	0	32	154.6	92.6	0.9	0.02	0.3	0	1.96	**18.29**	2.323	0.139
5e	smallmouth bass	0	0	32	154.6	92.6	0.9	0.02	0.28	0	1.96	**18.191**	2.302	0.137
5f	sturgeon	0	0	32	154.6	92.6	0.9	0.02	0.25	0	1.95	**18.044**	2.272	0.135
5g	sucker	0	0	32	154.6	92.6	0.9	0.02	0.66	0	2.02	**20.083**	2.708	0.172
5h	walleye	0	0	32	154.6	92.6	0.9	0.02	0.31	0	1.96	**18.339**	2.333	0.14
5i	whitefish	0	0	32	154.6	92.6	0.9	0.02	0.26	0	1.95	**18.093**	2.282	0.136
RFB-002														
6	no fish	0	0	32	133.3	92.6	0.9	0.02	0.23	0	1.88	**16.037**	1.877	0.104
6a	burbot	0	0	32	133.3	92.6	0.9	0.02	0.3	0	1.89	**16.37**	1.94	0.108
6b	kokanee	0	0	32	133.3	92.6	0.9	0.02	0.24	0	1.88	**16.085**	1.886	0.104
6c	northern pike	0	0	32	133.3	92.6	0.9	0.02	0.24	0	1.88	**16.085**	1.886	0.104
6d	rainbow trout	0	0	32	133.3	92.6	0.9	0.02	0.3	0	1.89	**16.37**	1.94	0.108
6e	smallmouth bass	0	0	32	133.3	92.6	0.9	0.02	0.28	0	1.89	**16.274**	1.922	0.107
6f	sturgeon	0	0	32	133.3	92.6	0.9	0.02	0.25	0	1.88	**16.132**	1.895	0.105
6g	sucker	0	0	32	133.3	92.6	0.9	0.02	0.66	0	1.95	**18.112**	2.286	0.136
6h	walleye	0	0	32	133.3	92.6	0.9	0.02	0.31	0	1.89	**16.417**	1.949	0.109
6i	whitefish	0	0	32	133.3	92.6	0.9	0.02	0.26	0	1.89	**16.178**	1.904	0.106
RFB-003														
7	no fish	0	0	32	125.8	92.6	0.9	0.02	0.23	0	1.86	**15.378**	1.755	0.094
7a	burbot	0	0	32	125.8	92.6	0.9	0.02	0.3	0	1.87	**15.706**	1.815	0.099
7b	kokanee	0	0	32	125.8	92.6	0.9	0.02	0.24	0	1.86	**15.425**	1.764	0.095
7c	northern pike	0	0	32	125.8	92.6	0.9	0.02	0.24	0	1.86	**15.425**	1.764	0.095
7d	rainbow trout	0	0	32	125.8	92.6	0.9	0.02	0.3	0	1.87	**15.706**	1.815	0.099
7e	smallmouth bass	0	0	32	125.8	92.6	0.9	0.02	0.28	0	1.87	**15.612**	1.798	0.098
7f	sturgeon	0	0	32	125.8	92.6	0.9	0.02	0.25	0	1.86	**15.472**	1.772	0.096
7g	sucker	0	0	32	125.8	92.6	0.9	0.02	0.66	0	1.93	**17.428**	2.147	0.125
7h	walleye	0	0	32	125.8	92.6	0.9	0.02	0.31	0	1.87	**15.753**	1.824	0.1
7i	whitefish	0	0	32	125.8	92.6	0.9	0.02	0.26	0	1.86	**15.519**	1.781	0.096
RFB-008														
8	no fish	0	0	32	119.1	92.6	0.9	0.02	0.23	0	1.84	**14.803**	1.651	0.087
8a	burbot	0	0	32	119.1	92.6	0.9	0.02	0.3	0	1.85	**15.127**	1.709	0.091
8b	kokanee	0	0	32	119.1	92.6	0.9	0.02	0.24	0	1.84	**14.849**	1.66	0.087
8c	northern pike	0	0	32	119.1	92.6	0.9	0.02	0.24	0	1.84	**14.849**	1.66	0.087
8d	rainbow trout	0	0	32	119.1	92.6	0.9	0.02	0.3	0	1.85	**15.127**	1.709	0.091
8e	smallmouth bass	0	0	32	119.1	92.6	0.9	0.02	0.28	0	1.84	**15.034**	1.693	0.09
8f	sturgeon	0	0	32	119.1	92.6	0.9	0.02	0.25	0	1.84	**14.896**	1.668	0.088
8g	sucker	0	0	32	119.1	92.6	0.9	0.02	0.66	0	1.91	**16.829**	2.029	0.115
8h	walleye	0	0	32	119.1	92.6	0.9	0.02	0.31	0	1.85	**15.174**	1.718	0.092
8i	whitefish	0	0	32	119.1	92.6	0.9	0.02	0.26	0	1.84	**14.942**	1.676	0.089
RFC-003														

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
9	no fish	0	0	32	166.9	92.6	0.9	0.02	0.23	0	1.99	**19.079**	2.489	0.153
9a	burbot	0	0	32	166.9	92.6	0.9	0.02	0.3	0	2	**19.428**	2.564	0.159
9b	kokanee	0	0	32	166.9	92.6	0.9	0.02	0.24	0	1.99	**19.128**	2.5	0.154
9c	northern pike	0	0	32	166.9	92.6	0.9	0.02	0.24	0	1.99	**19.128**	2.5	0.154
9d	rainbow trout	0	0	32	166.9	92.6	0.9	0.02	0.3	0	2	**19.428**	2.564	0.159
9e	smallmouth bass	0	0	32	166.9	92.6	0.9	0.02	0.28	0	2	**19.328**	2.543	0.157
9f	sturgeon	0	0	32	166.9	92.6	0.9	0.02	0.25	0	1.99	**19.178**	2.51	0.155
9g	sucker	0	0	32	166.9	92.6	0.9	0.02	0.66	0	2.06	**21.246**	2.973	0.196
9g	walleye	0	0	32	166.9	92.6	0.9	0.02	0.31	0	2	**19.478**	2.575	0.16
9i	whitefish	0	0	32	166.9	92.6	0.9	0.02	0.26	0	1.99	**19.228**	2.521	0.156
RFC-004														
10	no fish	0	0	32	139	92.6	0.9	0.02	0.23	0	1.9	**16.541**	1.973	0.111
10a	burbot	0	0	32	139	92.6	0.9	0.02	0.3	0	1.91	**16.876**	2.038	0.116
10b	kokanee	0	0	32	139	92.6	0.9	0.02	0.24	0	1.9	**16.589**	1.982	0.112
10c	northern pike	0	0	32	139	92.6	0.9	0.02	0.24	0	1.9	**16.589**	1.982	0.112
10d	rainbow trout	0	0	32	139	92.6	0.9	0.02	0.3	0	1.91	**16.876**	2.038	0.116
10e	smallmouth bass	0	0	32	139	92.6	0.9	0.02	0.28	0	1.91	**16.78**	2.019	0.115
10f	sturgeon	0	0	32	139	92.6	0.9	0.02	0.25	0	1.9	**16.636**	1.992	0.112
10g	sucker	0	0	32	139	92.6	0.9	0.02	0.66	0	1.97	**18.633**	2.394	0.145
10h	walleye	0	0	32	139	92.6	0.9	0.02	0.31	0	1.91	**16.924**	2.048	0.117
10i	whitefish	0	0	32	139	92.6	0.9	0.02	0.26	0	1.9	**16.684**	2.001	0.113
RFC-005														
11	no fish	0	0	32	177.7	92.6	0.9	0.02	0.23	0	2.02	**20.083**	2.708	0.172
11a	burbot	0	0	32	177.7	92.6	0.9	0.02	0.3	0	2.03	**20.436**	2.787	0.179
11b	kokanee	0	0	32	177.7	92.6	0.9	0.02	0.24	0	2.02	**20.133**	2.719	0.173
11c	northern pike	0	0	32	177.7	92.6	0.9	0.02	0.24	0	2.02	**20.133**	2.719	0.173
11d	rainbow trout	0	0	32	177.7	92.6	0.9	0.02	0.3	0	2.03	**20.436**	2.787	0.179
11e	smallmouth bass	0	0	32	177.7	92.6	0.9	0.02	0.28	0	2.03	**20.335**	2.765	0.177
11f	sturgeon	0	0	32	177.7	92.6	0.9	0.02	0.25	0	2.03	**20.184**	2.731	0.174
11g	sucker	0	0	32	177.7	92.6	0.9	0.02	0.66	0	2.1	**22.274**	3.217	0.219
11h	walleye	0	0	32	177.7	92.6	0.9	0.02	0.31	0	2.04	**20.487**	2.799	0.18
11i	whitefish	0	0	32	177.7	92.6	0.9	0.02	0.26	0	2.03	**20.234**	2.742	0.175
RFC-006														
12	no fish	0	0	32	159.6	92.6	0.9	0.02	0.23	0	1.96	**18.399**	2.346	0.141
12a	burbot	0	0	32	159.6	92.6	0.9	0.02	0.3	0	1.98	**18.745**	2.418	0.147
12b	kokanee	0	0	32	159.6	92.6	0.9	0.02	0.24	0	1.97	**18.449**	2.356	0.142
12c	northern pike	0	0	32	159.6	92.6	0.9	0.02	0.24	0	1.97	**18.449**	2.356	0.142
12d	rainbow trout	0	0	32	159.6	92.6	0.9	0.02	0.3	0	1.98	**18.745**	2.418	0.147
12e	smallmouth bass	0	0	32	159.6	92.6	0.9	0.02	0.28	0	1.97	**18.646**	2.397	0.145
12f	sturgeon	0	0	32	159.6	92.6	0.9	0.02	0.25	0	1.97	**18.498**	2.366	0.143
12g	sucker	0	0	32	159.6	92.6	0.9	0.02	0.66	0	2.04	**20.549**	2.813	0.181
12h	walleye	0	0	32	159.6	92.6	0.9	0.02	0.31	0	1.98	**18.795**	2.429	0.148
12i	whitefish	0	0	32	159.6	92.6	0.9	0.02	0.26	0	1.97	**18.547**	2.376	0.143
RFC-007														
13	no fish	0	0	32	162.3	92.6	0.9	0.02	0.23	0	1.97	**18.65**	2.398	0.145
13a	burbot	0	0	32	162.3	92.6	0.9	0.02	0.3	0	1.99	**18.997**	2.472	0.151
13b	kokanee	0	0	32	162.3	92.6	0.9	0.02	0.24	0	1.98	**18.7**	2.408	0.146
13c	northern pike	0	0	32	162.3	92.6	0.9	0.02	0.24	0	1.98	**18.7**	2.408	0.146
13d	rainbow trout	0	0	32	162.3	92.6	0.9	0.02	0.3	0	1.99	**18.997**	2.472	0.151
13e	smallmouth bass	0	0	32	162.3	92.6	0.9	0.02	0.28	0	1.98	**18.898**	2.45	0.15
13f	sturgeon	0	0	32	162.3	92.6	0.9	0.02	0.25	0	1.98	**18.749**	2.419	0.147
13g	sucker	0	0	32	162.3	92.6	0.9	0.02	0.66	0	2.05	**20.807**	2.872	0.187
13h	walleye	0	0	32	162.3	92.6	0.9	0.02	0.31	0	1.99	**19.047**	2.482	0.152

ID		FAM	BLK	AGE (mon)	SOIL (µg/g)	DUST (µg/g)	WATER (µg/L)	AIR (µg/m³)	Other (µg/day)	PBB (µg/dL)	PRED (µg/dL)	P(PbB>3) (%)	P(PbB>5) (%)	P(PbB>8) (%)
13i	whitefish	0	0	32	162.3	92.6	0.9	0.02	0.26	0	1.98	**18.799**	2.429	0.148
RFC-008														
14	no fish	0	0	32	159	92.6	0.9	0.02	0.23	0	1.96	**18.344**	2.334	0.14
14a	burbot	0	0	32	159	92.6	0.9	0.02	0.3	0	1.98	**18.69**	2.406	0.146
14b	kokanee	0	0	32	159	92.6	0.9	0.02	0.24	0	1.96	**18.394**	2.344	0.141
14c	northern pike	0	0	32	159	92.6	0.9	0.02	0.24	0	1.96	**18.394**	2.344	0.141
14d	rainbow trout	0	0	32	159	92.6	0.9	0.02	0.3	0	1.98	**18.69**	2.406	0.146
14e	smallmouth bass	0	0	32	159	92.6	0.9	0.02	0.28	0	1.97	**18.591**	2.386	0.144
14f	sturgeon	0	0	32	159	92.6	0.9	0.02	0.25	0	1.97	**18.443**	2.355	0.142
14g	sucker	0	0	32	159	92.6	0.9	0.02	0.66	0	2.04	**20.493**	2.8	0.18
14h	walleye	0	0	32	159	92.6	0.9	0.02	0.31	0	1.98	**18.74**	2.417	0.147
14i	whitefish	0	0	32	159	92.6	0.9	0.02	0.26	0	1.97	**18.492**	2.365	0.142
RFD-002														
15	no fish	0	0	32	155.5	92.6	0.9	0.02	0.23	0	1.95	**18.026**	2.268	0.134
15a	burbot	0	0	32	155.5	92.6	0.9	0.02	0.3	0	1.96	**18.37**	2.339	0.14
15b	kokanee	0	0	32	155.5	92.6	0.9	0.02	0.24	0	1.95	**18.075**	2.279	0.135
15c	northern pike	0	0	32	155.5	92.6	0.9	0.02	0.24	0	1.95	**18.075**	2.279	0.135
15d	rainbow trout	0	0	32	155.5	92.6	0.9	0.02	0.3	0	1.96	**18.37**	2.339	0.14
15e	smallmouth bass	0	0	32	155.5	92.6	0.9	0.02	0.28	0	1.96	**18.272**	2.319	0.139
15f	sturgeon	0	0	32	155.5	92.6	0.9	0.02	0.25	0	1.96	**18.124**	2.289	0.136
15g	sucker	0	0	32	155.5	92.6	0.9	0.02	0.66	0	2.03	**20.166**	2.727	0.174
15h	walleye	0	0	32	155.5	92.6	0.9	0.02	0.31	0	1.97	**18.42**	2.35	0.141
15i	whitefish	0	0	32	155.5	92.6	0.9	0.02	0.26	0	1.96	**18.173**	2.299	0.137
RFD-003														
16	no fish	0	0	32	154.5	92.6	0.9	0.02	0.23	0	1.95	**17.936**	2.25	0.133
16a	burbot	0	0	32	154.5	92.6	0.9	0.02	0.3	0	1.96	**18.28**	2.321	0.139
16b	kokanee	0	0	32	154.5	92.6	0.9	0.02	0.24	0	1.95	**17.985**	2.26	0.134
16c	northern pike	0	0	32	154.5	92.6	0.9	0.02	0.24	0	1.95	**17.985**	2.26	0.134
16d	rainbow trout	0	0	32	154.5	92.6	0.9	0.02	0.3	0	1.96	**18.28**	2.321	0.139
16e	smallmouth bass	0	0	32	154.5	92.6	0.9	0.02	0.28	0	1.96	**18.181**	2.3	0.137
16f	sturgeon	0	0	32	154.5	92.6	0.9	0.02	0.25	0	1.95	**18.034**	2.27	0.135
16g	sucker	0	0	32	154.5	92.6	0.9	0.02	0.66	0	2.02	**20.073**	2.706	0.172
16h	walleye	0	0	32	154.5	92.6	0.9	0.02	0.31	0	1.96	**18.329**	2.331	0.14
16i	whitefish	0	0	32	154.5	92.6	0.9	0.02	0.26	0	1.95	**18.083**	2.28	0.135

Appendix 6. EPA Action Memorandum for the Upper Columbia River Site Residential Properties Soil Removal near Northport, Stevens County, Washington

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue, Suite 900
Seattle, WA 98101-3140

OFFICE OF
ENVIRONMENTAL CLEANUP

August 6, 2015

SUBJECT: Action Memorandum for the Upper Columbia River Site Residential Properties Soil Removal near Northport, Stevens County, Washington

FROM: Jeffrey Fowlow, Federal On-Scene Coordinator
Emergency Preparedness and Prevention Unit

THRU: Wally Moon, Unit Manager
Emergency Preparedness and Prevention Unit

TO: Chris D. Field, Manager
Emergency Management Program

I. PURPOSE

The purpose of this Action Memorandum is to document approval of the time-critical removal action ("TCRA") described herein for the Upper Columbia River Site Residential Properties Soil Removal near Northport, Stevens County, Washington (Site).

The Upper Columbia River Site is currently the subject of a remedial investigation / feasibility study (RI/FS) to investigate contamination along the Upper Columbia River from the Grand Coulee Dam to the United States (U.S.)-Canada border related to historical smelting operations. As a part of field sampling activities for the RI/FS, the U.S. Environmental Protection Agency ("EPA") identified several residential properties and tribal allotments[1] in the Columbia River valley north of the town of Northport, Washington, which contained lead and/or arsenic at elevated levels. The residential properties are the focus of the time-critical removal action described herein. Any future time-critical removal actions taken on the tribal allotments will be addressed as a separate action. The residential properties and tribal allotments are located on land that is historically and culturally significant to both the Confederated Tribes of the Colville Reservation (Colville Confederated Tribes) and the Spokane Tribe of Indians.

Teck Metals, Limited (TML), a potentially responsible party ("PRP") at the Site, is currently negotiating a Settlement Agreement and Order on Consent ("Settlement Agreement") with EPA in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA") for the funding and performance of the removal action. Under that Settlement Agreement, Teck American

[1] For the purpose of this Action Memo, the term "allotment" refers to parcels of land outside the borders of an established Indian reservation that are owned by private tribal members.

Incorporated (TAI) would be the party performing the work, though both TAI and TML will be held jointly and severally responsible for the work, and herein referred to as "Teck".

II. SITE CONDITIONS AND BACKGROUND

The Superfund Enterprise Management System (formerly CERCLIS) ID Number for the Upper Columbia River Site is WASFN1002171 and the Site/Spill ID is 10NZ.

A. Site Description

1. Removal site evaluation

EPA is performing an RI/FS along the Upper Columbia River. The Upper Columbia River consists of the areal extent of hazardous substances contamination within the U.S. in or adjacent to the Upper Columbia River, including the Franklin D. Roosevelt Lake ("Lake Roosevelt"), from the border between the U.S. and Canada downstream to the Grand Coulee Dam.

A smelter owned by Teck located in Trail, British Columbia, on the Columbia River approximately 10 miles north of the U.S./Canada border has discharged metals-laden slag and liquid wastes into the Columbia River, as well as discharges from the smelter to the properties and allotments that are the subject of this removal action. Under the RI/FS, which is being funded by Teck, sampling has been conducted to determine levels of contamination in fish, river sediment, beach sediment, river water, and soil to support human health and ecological risk assessments.

As part of the RI/FS, in 2014 EPA collected and analyzed soil samples from residential properties in the Columbia River valley north of Northport, WA to the U.S.-Canada border to investigate potential airborne metals contamination from the Trail smelter and the former LeRoi Smelter that had historically operated in Northport. A total of 74 properties along both sides of the river were sampled. At each property, EPA identified representative decision units that had high human contact with soil (i.e., yards, gardens, play areas, etc.). Once the sampling areas were identified, EPA used an incremental composite (IC) sampling approach to collect IC samples from each decision unit ("DU"). A DU is an identified area within a property that is distinguishable from other areas by factors such as location or use and include areas within a property with a high likelihood of exposure to humans from contaminated soil. Examples of decision units are play areas, gardens, or lawns. Most DUs had three IC samples collected. Each IC sample was collected from shallow surface soil (usually 0-1" deep), except gardens which went to tilling depth (usually 0-12" deep). A total of 237 DUs were sampled.

The action level (i.e., the level at which action is triggered) for lead ("Pb") is 700 milligrams per kilogram ("mg/kg"), and the removal action will result in achieving a cleanup level of 250 mg/kg or less, based on a project-specific determination by EPA

(Memorandum from Richard Albright to Mr. Pendowski et al *"Dispute Decision Regarding Upper Columbia River Action Levels for Time-Critical Removal Action Dispute, Upper Columbia River Superfund Site",* April 21, 2015). The cleanup level for arsenic (As) is 20 mg/kg, based on the Washington State Model Toxics Control Act Method A Unrestricted use concentration. The results of the RI/FS sampling effort identified 17 properties, including 14 residential properties and three tribal allotments, which contained lead at concentrations near or above the Site action level.

In May 2015, the EPA Region 10 Removal Program conducted a removal site evaluation. During this removal site evaluation, EPA prepared for the proposed removal action by documenting the condition and layout of each property designated for cleanup and coordinating with each of the property owners. At some of the properties, EPA either extended the size of some DUs, or added new DUs, based on additional observations of property use and interviews with the landowners that indicated areas of the property with a high likelihood of exposure to humans from contaminated soil. EPA also collected and analyzed soil samples from the original DUs to better delineate the horizontal and vertical extent of contamination and to assist in removal planning (i.e., measuring quantities and depths of contaminated soil for logistics, disposal, and cost estimating).

Sampling conducted in 2014 and 2015 also identified tribal allotments where lead and arsenic concentrations exceed action levels; however, this removal action does not include those tribal allotments because the benefits of alternative removal or remedial techniques are being further evaluated for potential future cleanup actions.

2. Physical location

The community of Northport (population 295) is located along the eastern shoreline of the Upper Columbia River, approximately six miles south of the border with Canada and 35 miles north of Colville, Washington. Surrounding land use is primarily forestry and agricultural, with a number of rural residential properties.

The area has a humid continental climate characterized by cold winters and hot summers. The average annual precipitation is 19.5 inches, and the average annual snowfall is 53.7 inches. Average maximum temperatures are as high as 88.4 degrees Fahrenheit (°F) in the summer (July) and average minimum temperatures are as cold as 19.8 °F in winter (January).

3. Site characteristics

The area within the Site in which the removal actions will be conducted consists of 14 residential properties within the Columbia River valley near Northport, Washington (Figure 1). Specific property details including property owner names and locations are included in the confidential enforcement addendum.

Each residential property has one or more DUs designated for removal activities. Each residential property DU is located in an area of the property likely to be used by the residents and/or visitors and so poses an increased exposure risk to the elevated arsenic and lead in the soil. Specifically, most of the DUs at the properties are areas of the residential yard where the residents or visitors are likely to perform recreational, gardening, and/or yard maintenance activities that would likely expose them to the contaminated soil.

4. Release or threatened release into the environment of a hazardous substance or pollutant or contaminant

The primary contaminants of concern (COCs) are lead and arsenic. These contaminants are hazardous substances or pollutants or contaminants as defined by sections 101(14) & (33) of CERCLA, 42 U.S.C. § 9601(14) and (33).

The primary source of the lead and arsenic contamination at each of these properties is believed to be emissions from the Teck smelter in nearby Trail, British Columbia.

Numerous studies have been performed at the Site since 2000 as part of the Upper Columbia River site assessment process and RI/FS. Sampling efforts relevant to the current residential soil removal action are discussed below.

2014 Residential Soil Sampling

In 2014, EPA sampled soil at multiple residential properties and tribal allotments in the Columbia River valley between Northport and the U.S./Canada border that may have elevated metals as a result of regional smelter operations. Property owners volunteered to have their property sampled, and the sampling was conducted between August and October 2014.

The results of this investigation indicated that 14 properties and three tribal allotments contained at least one area (i.e., a decision unit) with concentrations of lead over or near the TCRA action level of 700 mg/kg. The average lead concentration from the IC sampling approach for these properties was 985 mg/kg, which is approximately 4 times higher than the cleanup level of 250 mg/kg. The maximum IC sample lead concentration was 1,936 mg/kg, which is approximately 8 times higher than the cleanup level. The average and maximum IC sample concentrations for arsenic were 52.4 and 103 mg/kg, respectively, which are 2.5 and 5 times the cleanup level for arsenic of 20 mg/kg. Each IC sample was collected from shallow surface soil (usually 0-1” deep), except gardens samples from which were collected from tilling depth (usually 0-12” deep).

2015 Removal Sampling

During EPA's site visit in May 2015, EPA reviewed the DUs from the 2014 sampling event. At certain properties, EPA either extended the boundaries of the DUs, or added new DUs, to ensure that high-risk property areas (i.e., yards or gardens with an elevated risk of potential human contact) were included. From these DUs, EPA

collected and analyzed additional samples to further characterize the vertical and horizontal extent of contamination. At each DU sampled in 2014, EPA assumed that the soil at depths from 0 to 6 inches below ground surface (bgs) was contaminated, and new grab samples were collected at depths from 6 to 12 inches bgs. At new DUs, EPA collected grab samples at intervals of 0 to 6 inches and 6 to 12 inches bgs. The samples were analyzed in the field using field-portable X-ray fluorescence (XRF) instruments, with a subset of the samples analyzed at an off-site laboratory.

During the May 2015 sampling event, a total of approximately 480 grab samples were collected and analyzed in the field by XRF, and 100 of these samples were submitted to an off-site laboratory for metals analysis. The results indicated that 80 of the samples exceeded the site cleanup level for either lead or arsenic based on the laboratory data or XRF field screening data if laboratory data was not available. For the laboratory data, lead was detected as high as 1,590 mg/kg, which is 6 times the cleanup level of 250 mg/kg, and arsenic was detected as high as 89 mg/kg, which is 4.5 times the cleanup level of 20 mg/kg.

EPA also submitted five of the samples for toxicity characteristic leaching procedure (TCLP) lead and arsenic analyses at the off-site laboratory to determine if the contaminated site soil was a characteristic hazardous waste. The samples selected for TCLP analyses included those with the highest total lead and arsenic concentrations as determined by XRF. All of the samples were well below the applicable TCLP limits for lead and arsenic, indicating that the site soil can likely be disposed of as non-hazardous waste.

5. NPL Status

Although the Upper Columbia River Site is not currently on the National Priorities List (NPL), it is being investigated through an RI/FS conducted by TAI (formerly Teck Cominco American Incorporated) subject to EPA oversight.

6. Maps, pictures, and other graphic representations

Figure 1 indicates the location of the Site, including the general area on both sides of the Columbia River between Northport and the U.S./Canadian Border where the 14 residential properties and several tribal allotments are located. For specific details including maps of each individual property, please refer to the confidential enforcement addendum.

B. Other Actions to Date

1. Previous actions

In 2004, EPA performed a time-critical removal action at the LeRoi Smelter Site in the town of Northport. The site included a 20-acre smelter operations complex and a 10-acre adjacent lumber mill complex which was formerly part of the original smelter

complex. The smelter operated intermittently from 1896 to 1921 and processed copper, gold, silver, and lead ores from nearby mines in Washington State and British Columbia. The primary contaminants of concern for the removal action were lead and arsenic.

In addition to cleanup of the smelter site itself, the scope of the removal action included the removal of lead and arsenic contaminated soil from 29 residential and common-use properties within or near the town limits of Northport, followed by backfill with clean top soil and property restoration. The removal action was performed to address lead and arsenic contamination associated with nearby and distant smelting operations, mine-waste disposal practices, and construction practices using mine-waste contaminated materials.

2. Current actions

There are no government or known private cleanup activities that are currently being performed at the Site that have not been previously described.

C. State and Local Authorities' Roles

1. State and local actions to date

The Washington State Department of Ecology (Ecology) has been involved in the RI/FS at the Site. Teck American Incorporated entered into a voluntary agreement with Ecology to remove contaminated sediment from Black Sand Beach in the Fall of 2010. The beach is located about three miles south of the Canadian border near Northport, WA and is located within the Site.

2. Potential for continued State/local response

Ecology is expected to remain involved in the RI/FS and in any future remedial cleanup actions.

D. Tribal Government Coordination

Staff-to-staff level coordination has occurred between EPA and the Colville Confederated Tribes regarding the proposed TCRA. EPA offered formal government-to-government consultation to the Chairman of the Confederated Tribes of the Colville Indian Reservation and the Spokane Tribe of Indians on May 27, 2015. On July 7, 2015, the Colville Tribe Business Council ("Council") accepted the offer of consultation and a meeting between EPA and Council occurred on July 21, 2015, in Nespelem, Washington. Prominent topics discussed in the consultation include the Council's desire to be informed of and participate in any ongoing and future negotiations between EPA and Teck at this tribal site where tribal lands and resources are affected. Also discussed was the Council's desire for a long-term cleanup plan for the overall Upper Columbia River Site in general and long term plans for the tribal allotments beyond removal actions in 2015 to include multiple possible options available which have yet to be fully

explored and discussed. In addition, the Council emphasized the requirement of Tribal Cultural Resource Monitors where any soil disturbing actions are undertaken.

III. THREATS TO PUBLIC HEALTH OR WELFARE OR THE ENVIRONMENT

The current conditions at this Site meet the following factors which indicate that the Site may pose an unacceptable risk to the public health or welfare or the environment and a removal action is appropriate under the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), 40 C.F.R. § 300.415(b)(2).

A. Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances or pollutants or contaminants [300.415(b)(2)(i)]

The data from previous environmental investigations shows that surface soil at the properties is contaminated with elevated concentrations of lead and arsenic, and that the primary source of the elevated concentrations of metals is from releases from Teck's smelting operations in nearby Trail, British Columbia.

Potential human exposure routes include direct contact with and ingestion of contaminated soil and inhalation of windblown dust. Human receptors include residents, visitors, trespassers, and passers-by. The potential for exposure is increased by the fact that the majority of these properties are residential with full-time residents.

At each property, the portion of the property subject to investigation and subsequently designated for removal action (i.e., the DUs) were selected based on their proximity to the residences and likelihood that the decision units would be used frequently by residents or visitors. The DUs include lawn and garden areas used by residents for property access, recreation, lawn and house maintenance, and gardening, and therefore represent an increased risk of exposure to the elevated levels of lead and As in the soil.

The effects of exposure to the contaminants of concern on organ systems is influenced by several factors, including dose, duration of exposure, and route of exposure, as well as the age and health of the receptor exposed. Lead is known to be toxic to humans. Children are most susceptible to the effects of lead and even low levels of lead in the blood of children can result in behavior and learning problems, lower IQ and hyperactivity, slowed growth, hearing problems, anemia, and in rare cases, ingestion of lead can cause seizures, coma and even death. Pregnant women are also particularly vulnerable to the effects of lead contamination and exposure to lead can result in serious effects to the mother and her developing fetus, including reduced growth of the fetus and premature birth.

B. High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface that may migrate (40 C.F.R. § 300.415[b][2][iv])

Portions of the DUs on the properties are only partially vegetated. Lead and arsenic are present at elevated concentrations in shallow surface soil (i.e., 0-6 inches bgs), which create the likelihood of exposure from residential and recreational use, and the soils are susceptible to migration within and off of the properties because of water- and wind-borne and mechanical influences.

C. Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released (40 C.F.R. § 300.415(b)(2)(v))

The climate in the region of the site includes cold, freezing winters with a large amount of snow and hot, often dry summers. These weather conditions can increase the likelihood that the contaminants in shallow surface soil are susceptible to dispersion (e.g., snow melt and rains in the spring may disperse contaminants in surface water runoff, and the dry and hot conditions in summer and early fall may cause contaminants to disperse by wind, especially in areas that are not protected by a vegetated cover).

D. The availability of other appropriate federal or state response mechanisms to respond to the release (40 C.F.R. § 300.415(b)(2)(vii))

The proposed TCRA is expected to be conducted by Teck in accordance with CERCLA and with oversight by EPA. There are no known other appropriate federal or state response mechanisms capable of providing the appropriate resources in the prompt manner needed to address the potential human health and ecological risks associated with the hazardous substances described herein.

IV. ENDANGERMENT DETERMINATION

Actual or threatened releases of hazardous substances from this Site may present an imminent and substantial endangerment to the public health, or welfare, or the environment.

V. PROPOSED ACTIONS AND ESTIMATED COSTS

A. Proposed Actions

The proposed action is intended to mitigate the potential human health threats posed by exposure to lead and arsenic, including direct contact, ingestion, and inhalation pathways.

1. Proposed action description

Soil in each DU above cleanup levels (250 mg/kg for lead and/or 20 mg/kg for arsenic) will be excavated to a maximum depth of 12 inches (24 inches for gardens) for off-Site disposal in an appropriate landfill (selected consistent with the off-site rule) followed by backfill and restoration. The Site consists of 14 residential properties. The general approach to be used at all locations is described below.

Property Preparation

Property-Specific Work Plans are being developed based on interviews with the affected property owner and EPA observations made during site reconnaissance activities. The pre-removal condition of the property (e.g., the house or any other structure, driveways, paved parking areas, fences, utilities, trees or other vegetated areas, gardens, etc.) will be documented. The presence (or evidence) of any children, pets, and/or livestock will also be noted. Items that cannot be temporarily relocated during removal activities will be identified and protected from damage. Removal activities will be conducted in a way that considers property features and uses. The removal activities will be coordinated with the property owner and performed in such a manner as to minimize impacts to the property and the residents.

If necessary, access roads and driveways to the property and DUs will be improved to allow access for equipment and vehicles. Work areas and roads for site traffic will be established in project work plans. Any residential items or personal belongings in the work zone (i.e., DU and support zones) will be temporarily relocated or marked and protected. The location of any underground or aboveground utilities will be identified and marked.

Excavation

In each DU where soil excavation occurs, the contaminated soil will be excavated to an initial depth of 6 inches bgs. In most areas, excavation will primarily be with mechanical equipment (e.g., excavators, skid steers, and loaders), while in some sensitive locations (i.e., near houses, buried utilities, or trees/vegetation), excavation will be performed by hand using shovels and other hand tools.

At the bottom of the initial 6-inch excavation, the soil will be screened using XRF to determine whether additional excavation is required. Screening samples will be located in a grid pattern at a frequency of at least one sample every 400 square feet. If analysis of samples from any location indicates that the soil at the bottom of the excavation contains either lead or arsenic above the cleanup levels, excavation will continue at that location to a maximum depth of 12 inches bgs. The lateral extent of any additional excavation will be determined by soil sampling and analysis to ensure all soil with concentrations exceeding the lead or arsenic cleanup levels is removed. At the bottom of any 12-inch excavation area, the soil will be screened by XRF to determine whether the soil is still above lead or arsenic cleanup levels. If soil at the 12-inch depth is below

both lead and arsenic cleanup levels, backfilling can proceed. If soil is above cleanup levels for lead or arsenic, a geotextile fabric or similar material will be laid down at the bottom of the excavation area before backfilling as a visual indicator between contaminated soil and clean backfill.

Around mature trees, excavation will be performed by hand and will only extend to approximately 2 inches bgs within the tree's root radius to avoid damage to the tree.

Field screening with the XRF will be supported by a site-specific sampling plan (SSSP) and quality assurance project plan (QAPP) and will include the collection of confirmation samples and analysis at an off-site laboratory to validate the precision and accuracy of the field XRF screening. The SSSP/QAPP will be reviewed and approved by EPA prior to removal activities.

Personnel and equipment exiting work areas will be decontaminated to avoid the spread of contaminants.

Waste Management and Disposal

Excavated soil should be managed within the confines of each DU and then will be loaded directly into haul trucks to minimize short-term cleanup impacts to the property. The haul trucks will then transport the contaminated soil to a centrally located stockpile area or, if necessary and/or feasible, directly to a disposal facility consistent with the off-site rule. If needed, the specific locations of any stockpile will be determined on a case-by-case basis. At the stockpile location, contaminated soil from each property will be loaded on to trucks for transport to an appropriate landfill consistent with the off-site rule.

Based on the results of EPA's sampling in May 2014, the soil may be able to be disposed of as non-hazardous waste in a Subtitle D landfill, although this is subject to verification and final waste profiling by the intended disposal facility.

Property Backfill and Restoration

Following the excavation of the contaminated soil at each DU, the excavated area will be backfilled to the original grade with pit run gravel and/or top soil, depending on the property. Additionally, as appropriate grass seed can be added to areas backfilled with clean top soil.

Sources of pit run gravel and top soil will be screened by XRF in accordance with the SSSP/QAPP to ensure that the backfill material does not contain lead or arsenic at concentrations greater than the site cleanup levels.

Following backfill, the property will be restored to a condition comparable to its pre-removal condition, based on pre-removal documentation. If the removal activities require the removal of fencing or shrubs/vegetation, they will be repaired or replaced.

Best Management Practices

Best Management Practices (BMPs) will be implemented during removal activities to protect workers, residents, the community, and the environment from short-term construction impacts such as erosion, sedimentation, fugitive dust, noise, and other similar potential impacts. Removal activities on residential properties will be closely coordinated with the property owners and residents to minimize disruption and impacts to the residents and property.

Greener Cleanup Best Management Practices

Appropriate and practicable greener cleanup BMPs will be implemented during cleanup activities, including, but not limited to, minimizing energy consumption (e.g., using new and well-maintained equipment), minimizing generation and transport of fugitive dust (e.g., implementation of construction BMPs), minimizing waste generation through reuse and recycling, minimizing impacts to water resources (e.g., implementation of construction storm water and surface water BMPs), minimizing areas requiring activity or use limitations (e.g., source removal), minimizing unnecessary soil and habitat disturbance, and minimizing lighting and noise disturbance (e.g., implementation of construction BMPs).

Post-Removal Site Controls

If soil contamination in excess of the cleanup level is detected below 12 inches, a geotextile fabric or other similar visual marker will be installed to act as a warning to current or future property owners regarding the contaminated soil below. Following the removal action, a report detailing the removal activities will be provided to each property owner that will document the location of known areas above lead and arsenic cleanup levels. EPA expects that any necessary additional post-removal site controls will be addressed through the anticipated future remedial action.

On properties where sod, grass seed, and/or plants have been installed, a maintenance plan will be provided to each property owner so that the new plantings establish roots and survive.

2. Contribution to remedial performance

The proposed removal action will not impede future actions based upon available information. The proposed removal action may be the first and only action or one of a series of actions depending on post-removal activities such as those necessary to maintain the protectiveness of the cleanup.

The proposed removal action has been and will continue to be closely coordinated with the Remedial Program to ensure that the action will contribute to the efficient

performance of any long-term remedial action with respect to the release or threatened release concerned.

3. Engineering Evaluation/Cost Analysis

An Engineering Evaluation/Cost Analysis is not required because this is a TCRA.

4. Applicable or relevant and appropriate requirements

The NCP requires that removal actions attain Applicable or Relevant and Appropriate Requirements (ARARs) under federal or state environment or facility siting laws, to the extent practicable. (40 C.F.R. § 300.415(j)) In determining whether compliance with ARARs is practicable, EPA may consider the scope of the removal action and the urgency of the situation. (40 C.F.R. § 415(j)) The scope of the removal action proposed in this Action Memorandum is limited.

Endangered Species Act [16 U.S.C. §§ 1531 – 1544; 50 C.F.R. Parts 17, 402]. The Endangered Species Act (ESA) protects species of fish, wildlife, and plants that are listed as threatened or endangered with extinction. It also protects designated critical habitat for listed species. The ESA outlines procedures for federal agencies to follow when taking actions that may jeopardize listed species, including consultation with resource agencies. The requirements of the ESA are potentially applicable to the Site since listed threatened or endangered species habitat areas will or could be impacted by response action. Consistent with ESA Section 7, if any federally designated threatened or endangered species are identified in the vicinity of removal work and the action may affect such species and/or their habitat, EPA will consult with USFWS to ensure that response actions are conducted in a manner to avoid adverse habitat modification and jeopardy to the continued existence of such species.

National Historic Preservation Act [16 U.S.C. § 470f; 36 C.F.R. Parts 60, 63, 800]. Section 106 of the National Historic Preservation Act (NHPA) requires federal agencies to take into account the effects of their undertakings on historic properties and seek ways to avoid, minimize or mitigate any adverse effects on those properties. This includes archaeological sites, historic sites and traditional cultural properties that are eligible to the National Register of Historic Places.

The Section 106 process seeks to accommodate historic preservation concerns with the needs of federal undertakings through consultation among the agency official and the affected parties, commencing at the early stages of project planning. The EPA is the lead Agency responsible for ensuring that all work is conducted in compliance with Section 106 of the National Historic Preservation Act. EPA will consult with other parties that have an interest in the effects of the planned undertaking and provide them a reasonable opportunity to comment on such undertakings. These parties include, but

are not limited to, the State Historic Preservation Officer and the concerned Tribal Historic Preservation Officers (THPOs).

On June 16, 2015, EPA representatives met with the Colville Confederated Tribes THPO and staff archaeologist regarding the planned soil removal work and discussed the field protocol to be followed by the work crews in coordination with the cultural monitors. A detailed description of the agreed upon field coordination/communication protocol is contained in the Statement of Work (Appendix C to the Administrative Settlement Agreement and Order on Consent for the performance of a removal action by TAI). This protocol will also be included in the Cultural Resources Coordination Plan to be completed by TAI. All field personnel are expected to be familiar with the cultural resources coordination plan and the field coordination/communication protocol to be followed on all properties. As contained in the protocol, the cultural monitors will have stop work authority if a suspected archaeological object or archaeological resource is encountered. Additionally, EPA personnel on-site will have stop work authority if there is any deviation from the coordination/communication protocol without prior approval by EPA. EPA has provided a copy of the field protocol to the Washington State Department of Archaeology and Historic Preservation Office which serves as the State Historic Preservation Office (SHPO) and provides continued updates regarding the planned work and its coordination efforts with the Colville Confederated Tribes.

On July 20, 2015, representatives for EPA, TAI and the CCT History/Archaeology Program discussed TAI's preliminary start date for conducting soil removal work so that the CCT can arrange for the availability of cultural monitors.

The performance of the removal action are expected to achieve the standards set forth under Washington State's MTCA (Chapter 173-340 of the Washington Administrative Code [WAC]) to address potential threats to public health and welfare and the environment from a release or threat of release of hazardous substances. As discussed above, soil cleanup levels for the removal action are based on MTCA Method A cleanup levels and the Work will achieve these levels. The State of Washington's solid waste and dangerous management regulations, found at WAC 173-300 *et seq*., are potentially applicable to solid waste generation and management at the Site.

Clean Water Act. The removal action shall comply with substantive stormwater requirements for construction activities, including erosion and sediment controls. (90.48 RCW, 33 U.S.C. §1251 *et seq*.)

5. Project schedule

The removal action activities are expected to start in August 2015 and the residential properties are expected to be completed by October 2015. The project is expected to last approximately eight to twelve weeks. Excavation is expected to be completed before winter weather arrives (usually November) before snowfall covers the planned

excavation areas and because the access roads/driveways to some of the properties will become impassable.

B. Estimated Costs

Teck is expected to pay for past costs and the cost of the removal action, including EPA's oversight costs. If EPA were to undertake implementation of the work described in this Action Memorandum, an Amendment will be written.

VI. EXPECTED CHANGE IN THE SITUATION SHOULD ACTION BE DELAYED OR NOT TAKEN

A delay in action or no action at the Site would increase the actual or potential threats to the public health and/or the environment associated with exposure to Site contaminants and would allow Site contaminants to continue to migrate from surface soils.

VII. OUTSTANDING POLICY ISSUES

None.

VIII. ENFORCEMENT ADDENDUM

Refer to attached confidential enforcement addendum.

IX. RECOMMENDATION

This decision document sets forth the recommended removal action for the Site that has been developed in accordance with CERCLA, and is consistent with the NCP. The recommended removal action is based on the administrative record for the Site.

Conditions at the Site meet the NCP 40 C.F.R. § 300.415(b) criteria for a removal action, and I request your approval of the recommended removal action. The recommended removal action is expected to be funded and conducted by Teck with oversight provided by EPA. However, if Teck is unwilling or unable to fund or conduct the recommended removal action, and EPA must undertake all removal action work, the total project ceiling is currently estimated to be $5,291,850.

X. APPROVAL/DISAPPROVAL

By the approval which appears below, EPA selects the removal action for the Site as set forth in the recommendations contained in this Action Memorandum.

Approve: X

Chris D. Field, Manager
Emergency Management Program

Disapprove: _____

_____
Chris D. Field, Manager
Emergency Management Program

Effective date of this Decision: _____

ATTACHMENTS:

- References
- Figure
- Enforcement Addendum

ATTACHMENT:

REFERENCE

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Seattle, WA 98101-3140

OFFICE OF
ENVIRONMENTAL
CLEANUP

April 21, 2015

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Re: Dispute Decision Regarding Upper Columbia River Action Levels for Time-Critical Removal Action Dispute, Upper Columbia River Superfund Site

Dear Mr. Pendowski, Mr. Kieffer, Mr. Passmore, and Ms. Lehnertz:

This letter sets forth my determination with respect to the Washington Department of Ecology's February 13, 2015, request for dispute resolution, the Spokane Tribe of Indians' February 19, 2015, notification of participation in the dispute resolution process and subsequent submittal, the Confederated Tribes of the Colville Reservation's February 20, 2015 request for dispute resolution and subsequent submittal, and the U.S. Department of the Interior's March 19, 2015 comments via telephone on the dispute, regarding EPA's proposal of a lead action level for a Time-Critical Removal Action for various residential properties within the Upper Columbia River Superfund Site ("Site"). In summary, I hereby determine:

1. The lead action level for the Time-Critical Removal Action at residential properties at the Site must be determined through CERCLA removal action procedures and tribal consultation policies and will be documented in an Action Memorandum and the associated administrative record;

2. EPA intends to select an action level for the Time-Critical Removal Action for lead of 700 parts per million which will result in a cleanup level of less than 250 parts per million; and
3. EPA will continue to follow all appropriate CERCLA remedial action procedures, including the Memorandum of Agreement, and tribal consultation policies, for determining final cleanup levels for lead for the Remedial Action at the Site.

I. Background

On June 2, 2006, EPA and Teck Cominco Metals, Ltd. and Teck Cominco American Incorporated (collectively "Teck Cominco") entered into a settlement agreement for the performance of a CERCLA Remedial Investigation and Feasibility Study ("RI/FS") at the Site. On May 18, 2007, five governmental parties ("Participating Parties") entered into the Intergovernmental Memorandum of Agreement for the Upper Columbia River Superfund Site ("MOA").[1] The MOA provides a framework for coordination and cooperation among the Participating Parties to address the RI/FS process at the Site. While the governmental parties, except for EPA, are not parties to the settlement agreement with Teck Cominco, they have statutory and regulatory mandates applicable to the RI/FS and are active government oversight participants in Teck Cominco's performance of the RI/FS. The current dispute is raised under Section VII of the MOA.

In December 2014, EPA began the process of considering action levels for a potential Time-Critical Removal Action at the Site to address lead contamination in soils at residential properties, pursuant to Section 104(a) of CERCLA, 42 U.S.C. § 9604(a), and 40 C.F.R. § 300.415, that pose an immediate threat to human health. EPA initiated conversations with the Washington Department of Ecology on December 16, 2014, and with the Confederated Tribes of the Colville Reservation on December 18, 2014, regarding a potential Time-Critical Removal Action at residential properties with lead levels over 1,000 ppm, and for children's play areas with lead levels over 700 ppm. At that time, EPA expressed that complete data regarding lead levels in soils at the Site were not expected until January 29, 2015, and therefore the discussions regarding an action level range of 700 ppm to 1,000 ppm were preliminary and were not meant to convey a final agency decision on the action level. Throughout December 2014, January 2015, and February 2015, EPA conducted weekly telephone calls with the Participating Parties and was in regular communication with Teck Cominco. On March 11, 2015, following the official commencement of this dispute, EPA met with the parties to the dispute in Spokane, Washington. At that meeting, the concerns of the parties to the dispute were discussed, and EPA presented the perspective of its technical team regarding the proposed action level for the Time-Critical Removal Action. The conversations that occurred over the past few months were intended to provide for open communication among all parties regarding a Time-Critical Removal Action from residential properties at the Site, and were not intended to convey or determine an action level. To date, EPA has not made a determination of the action level for the Time-Critical Removal Action for residential properties at the Site.

II. The Issues

In its request for dispute resolution, the Washington Department of Ecology contends that applying the same action levels developed for the Bunker Hill Superfund Site is inappropriate because it is

[1] The signatories to the MOA, referred to as the Participating Parties, are the United States Environmental Protection Agency, the Washington Department of Ecology, the Confederated Tribes of the Colville Reservation, the Spokane Tribe of Indians, and the United States Department of the Interior.

inconsistent with EPA policy, with current scientific consensus on health risks associated with lead exposure, with more recent bioavailability studies, with Washington's policies, and with other EPA actions.

In its request for participation in the dispute resolution process, the Spokane Tribe of Indians did not initially raise any specific issues, but requested to participate in the process, as provided for in the MOA. In follow up written communication dated March 12, 2015, Dr. F. E. Kirschner of AESE, Inc., on behalf of the Spokane Tribe of Indians, contends that the proposed use of action levels at the Site that were developed for the Bunker Hill Superfund Site are inappropriate, and that the proposed action level would provide disproportionate protection of human health at the Site than is provided for under Washington State policy.

In its request for dispute resolution, the Confederated Tribes of the Colville Reservation contends that EPA did not coordinate with the Confederated Tribes of the Colville Reservation prior to communicating EPA's cleanup intent and proposed cleanup levels to Teck Cominco, and gave no meaningful consideration to Tribal cleanup standards. Additionally, the Confederated Tribes of the Colville Reservation contends that it shares the Washington Department of Ecology's concerns regarding application of cleanup levels from the Bunker Hill Superfund Site.

In its comments via telephone regarding the current dispute, the U.S. Department of the Interior expressed its support for EPA's proposed action level for the Time-Critical Removal Action and the technical basis used to reach the proposal.

A. Removal Action Authority and Procedures

In the present action level determination process, EPA must follow the procedures of its removal action authority, as laid out in CERCLA, 42 U.S.C. §§ 9601, *et seq.*, the National Oil and Hazardous Substances Pollution Contingency Plan ("NCP"), 40 C.F.R. Part 300, and relevant EPA guidance documents. Section 104(a)(1) of CERCLA, 42 U.S.C. § 9604(a)(1), grants EPA the authority to act, consistent with the NCP, to remove a hazardous substance, pollutant, or contaminant, whenever there is a release or a threat of such a release into the environment. Additionally, pursuant to Section 104(a)(2) of CERCLA, 42 U.S.C. § 9604(a)(2), any removal action taken should, to the extent practicable, contribute to the efficient performance of any long term remedial action with respect to the release or threatened release concerned. Therefore decisions made regarding action levels or cleanup levels of a removal action do not constitute final remedial actions, but rather should contribute to final remedial actions. Conducting the Time-Critical Removal Action for residential properties at the Site is intended to address the immediate threat to human health from lead exposure, and will contribute to the long term cleanup of the Site through the remedial action process.

The removal program is in the final stages of the site evaluation and has determined that a Time-Critical Removal Action is appropriate to address immediate threats to human health due to lead contaminated soils. Factors EPA must consider when making this determination include, but are not limited to, actual or potential exposure to humans, actual or potential contamination of drinking water, and threat of fire or explosion.[2] Since EPA has not completed the required process for starting a Time-Critical Removal Action, EPA is now in the final stages of determining action levels, cleanup levels, and the scope of this

[2] 40 C.F.R. § 300.415(b)(2).

Time-Critical Removal Action for residential properties at the Site. Pursuant to 40 C.F.R § 300.415(j), when conducting a removal action, EPA shall, to the extent practicable considering the urgency of the situation and the scope of the removal, attain applicable or relevant and appropriate requirements under federal or state environmental laws ("ARARs"). EPA recognizes that many of the concerns raised in this dispute address ARARs and EPA will consider those issues, in addition to the urgency of the situation and the scope of the removal, as it determines whether the Time-Critical Removal Action will attain ARARs. As noted above on page 2, removal activities conducted by EPA with an action level of 700 ppm will result in a cleanup level of 250 ppm, which is consistent with the State of Washington's cleanup standard for lead.

When a final determination is made to implement a Time-Critical Removal Action, EPA prepares an Action Memorandum in accordance with EPA guidance which provides a concise written record of the removal decision.[3] The Action Memorandum authorizes the initiation of on-site activities, pursuant to Section 104(a) of CERCLA, 42 U.S.C. § 9604(a). There is no opportunity for official public comment regarding selection of a Time-Critical Removal Action prior to initiation of on-site activities because of the time-critical element of such actions. Pursuant to 40 C.F.R. § 300.415(n)(2)(i), within 60 days of initiation of on-site removal activity, EPA will publish an administrative record providing supporting documentation of EPA's decision to conduct the Time-Critical Removal Action. Pursuant to 40 C.F.R. § 300.415(n)(2)(ii), EPA will then provide for a public comment period, as appropriate, for a period of not less than 30 days. That public comment period, which follows determination of removal action levels and initiation of on-site removal activity, is the mechanism for official public comment regarding Time-Critical Removal Actions. Tribal consultation regarding Time-Critical Removal Actions will be addressed in Section II.D, below.

EPA understands the importance of public participation in its decision-making process and recognizes the specific interests of the parties involved in the present dispute in determining final remedial cleanup levels. However the very nature of, and legal procedures for, Time-Critical Removal Actions require rapid decision-making to address immediate threats to human health.

B. Remedial Action Authority and Procedures – Including the RI/FS and MOA

While the removal action procedures described above authorize the determination of the action levels for a Time-Critical Removal Action, remedial action procedures, including the RI/FS process and the MOA, govern the determination of the long term remedial cleanup levels at the Site. Remedial action authority and the selection of cleanup standards are authorized under Sections 104 and 121 of CERCLA, 42 U.S.C. §§ 9604 and 9621. Following a preliminary assessment and site inspection, 40 C.F.R. § 300.430 authorizes the RI/FS. As mentioned in Section I above, EPA and Teck Cominco entered into a settlement agreement under which Teck Cominco agreed to conduct the RI/FS, consistent with EPA guidance and the NCP. The purpose of an RI/FS is to assess site conditions and evaluate alternatives to the extent necessary to select a remedy and includes project scoping, data collection, risk assessment, treatability studies, and analysis of alternatives.[4] The MOA, under which the current dispute was raised, is "intended to assist the Participating Parties in achieving enhanced communication, coordination and

[3] EPA *Superfund Removal Guidance for Preparing Action Memoranda, Final Guidance, September 2009*, available at http://www2.epa.gov/sites/production/files/2014-02/documents/superfund_removal_guide_for_preparing_action_memo.pdf.
[4] 40 C.F.R. § 300.430(a)(2).

efficiencies during the RI/FS process."[5] Therefore the MOA and its dispute resolution procedures apply only to the RI/FS process (not to determinations made by EPA pursuant to its removal authority). EPA is committed to adhering to the letter and spirit of the MOA and will take into account comments and critiques raised by the Participating Parties regarding the RI/FS process.

Following completion of the RI/FS process, EPA will follow legal requirements in CERCLA and the NCP, specifically 40 C.F.R. § 300.430(f), to select a remedial action. Remedial actions involve long-term actions designed to provide a permanent solution to threats posed by hazardous substances, pollutants, or contaminants. Cleanup levels and remediation goals for selected remedial actions must address ARARs, and the site-specific evaluation of ARARs is based on a number of factors in the NCP.[6] The comments and issues raised in the current dispute, such as using data from the Bunker Hill Site, using IEUBK modelling, not attaining cleanup standards from Washington state law and policies, not applying ATSDR and CDC standards, and not mirroring cleanup levels selected at other Superfund sites, are issues that will be relevant to the discussion surrounding ARARs and the applicability of ARARs to the remedy. Additionally, pursuant to 40 C.F.R. § 300.430(f)(3), EPA will provide for a public comment period on the proposed remedy prior to making a final decision. EPA encourages input and participation from state and tribal partners, as well as other members of the public, in selecting the appropriate remedy for the Site.

C. Removal Action Level for Lead

In December 2014, EPA proposed an action level for lead for a potential Time-Critical Removal Action for residential properties at the Site of 700-1,000 ppm. That action level was proposed based on EPA's concern that a number of residential soil samples had lead levels above 1,000 ppm. EPA proposed the lower action level of 700 ppm for children's play areas where children's risk for exposure to lead would be higher. That proposal, and subsequent conversations, led to the initiation of the current dispute in February 2015. That initial proposal was not a decision under the remedial program procedures. As described in Section II.A above, the decision to conduct a Time-Critical Removal Action and the proposal of certain action levels was made pursuant to removal action authorities and procedures, which falls outside the purview of the dispute resolution mechanism of the MOA. EPA does not have the legal authority to make a decision regarding a Time-Critical Removal Action in a response to a dispute raised under the MOA. However, the MOA dispute resolution process has provided a valuable mechanism for the exchange of information regarding lead action levels and EPA is taking the opportunity to use the MOA dispute resolution process to provide the Participating Parties with information on EPA's intended action level for the upcoming Time-Critical Removal Action for residential properties at the Site.

As mentioned above, EPA is currently in the process of determining the scope and action level of the Time-Critical Removal Action. While I am not in a position to make a final decision regarding action levels or cleanup levels for lead in this dispute resolution decision letter, EPA intends to select an action level for lead of 700 ppm for the Time-Critical Removal Action. Therefore, residential soils that are above 700 ppm of lead would undergo a removal action and would be cleaned up to less than 250 ppm of lead. The Time-Critical Removal Action will be focused on immediate threats to human health and there will be additional assessment, through the RI/FS process which provides for input from the Participating Parties under the MOA, and additional opportunity for public comment on the proposed

[5] MOA, page 1.
[6] 40 C.F.R. § 300.400(g).

remedy, to determine a final remedial cleanup level. During that remedial process, EPA will address possible changes in acceptable modelling methods, potential expansion of the sampling area, ARARs, and other relevant issues.

EPA's project team considered a number of factors in proposing the action level for the Time-Critical Removal Action for residential properties, including results of site-specific bioavailability data gathered through the RI/FS process, and other studies regarding bioavailability, lead ingestion rates, and blood lead levels. The project team also reviewed blood lead level and bioavailability data from the Bunker Hill Superfund Site, as well as studies conducted as recently as 2013 and 2014, to propose in December 2014 that removal of soils from residential properties with lead levels of 700 ppm to 1,000 ppm or higher would adequately address the immediate threat to human health.[7] Following bioavailability and blood lead level studies, and calculation of the lead ingestion rate for the Bunker Hill Superfund Site, the project team used that data to estimate the lead ingestion rate at the Upper Columbia River Superfund Site. The project team used this data in its risk evaluation for the Upper Columbia River Superfund Site for purposes of proposing the action level for the Time-Critical Removal Action because the bioavailability data at the two sites is comparable. Additionally, the data and studies from the Bunker Hill Superfund Site have been reviewed extensively by EPA and a distinguished panel from the National Academy of Sciences who published their supportive findings.[8] The current proposal of a blanket action level of 700 ppm (as opposed to an action level of 700 ppm for residential properties where children live and an action level of 1,000 ppm for residential properties where children do not live) was proposed because the demographics of residents can and does change over time, and a property without children present currently may have children present at the property in the future.

In the past EPA has approved different lead cleanup levels at other sites based on site-specific analyses. For example, at the Tar Creek Superfund Site, Ottawa County, Oklahoma, EPA conducted a Time-Critical Removal Action to address lead contaminated soil in 1995 and 1996. The removal in 1995 focused only on areas where children tend to congregate such as schools, playgrounds, and parks and set an action level of 500 milligrams per kilogram ("mg/kg").[9] The removal in 1996 focused on residential properties, and an action level of 500-1,500 mg/kg was selected. For residential properties where children less than 72 months of age resided who had blood lead levels higher than or equal to 10 µg/dL and soil lead concentrations were identified as a significant contributor to that level, the action level was 500 mg/kg. For residential properties that did not meet those criteria, the action level was 1,500 mg/kg. Additionally, the Action Memorandum, dated March 21, 1996, specifically states "the final remediation goal for lead and all other contaminants will be established in the Record of Decision for the Site."[10] Ultimately, the cleanup level selected through the remedial program in the Record of Decision was 500 mg/kg.

At the Jefferson County Mining Site, Jefferson County, Missouri, EPA initiated a Time-Critical Removal Action in 2007 to address lead contaminated soil. The action level ranged from 400-1,200

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[7] Large scale reviews and integration of data from tracer, mechanistic, validation modeling/measurement, and empirical relations (biomonitoring/environmental concentration) studies have found that mean ingestion rates in children were less than 100 milligrams per day and may be as low as 40-80 milligrams per day. Estimating Children's Soil and Dust Ingestion Rates Using Blood Lead Biomonitoring at the Bunker Hill Superfund Site in the Silver Valley of Idaho.

[8] Superfund and Mining Megasites: Lessons from the Coeur d'Alene River Basin, available at http://www.nap.edu/catalog/11359/superfund-and-mining-megasites-lessons-from-the-coeur-dalene-river.

[9] 1 mg/kg = 1 ppm.

[10] Action Memorandum for Tar Creek Superfund Site, dated March 21, 1996, page 7.

mg/kg. For properties that were high-use areas for children 84 months of age or younger, or residential properties where children resided who had blood lead levels greater than 10 µg/dL, the action level was 400 mg/kg. For other properties that did not meet those criteria, the action level was 1,200 ppm. While EPA selected different cleanup levels for the removal actions at the Tar Creek Superfund Site and the Jefferson County Mining Site than it has proposed for the Time-Critical Removal Action at the Upper Columbia River Superfund Site, EPA has always applied a site-specific analysis. EPA has also been clear that cleanup levels selected for removal actions are not the final remedial action cleanup levels.

D. Meaningful Tribal Consultation

EPA's policy is to consult on a government-to-government basis with tribal governments when EPA actions and decisions may affect tribal interests.[11] EPA is committed to engaging in consultation with the Confederated Tribes of the Colville Reservation and the Spokane Tribe of Indians throughout the removal and remedial actions at the Site, pursuant to EPA policy and the MOA, as applicable. Specifically regarding Time-Critical Removal Actions in Region 10, "EPA should offer formal consultation directly to Tribal leadership prior to approval of the Action Memorandum, whenever time allows."[12]

I apologize for any miscommunications or misunderstandings regarding consultation that occurred as a result of communications between EPA, the Confederated Tribes of the Colville Reservation, and the Spokane Tribe of Indians in December 2014 through the present on the matter of EPA's proposed action level of 700-1,000 ppm for lead for a Time-Critical Removal Action at the Site. The communications between EPA and these parties were meant to serve as initial informal consultation to discuss the potential action level for the Time-Critical Removal Action. EPA should have been clearer in those early discussions that a decision had not yet been made, and should have ensured that proper procedures for meaningful formal tribal consultation were followed. EPA fully intends to consult with the Confederated Tribes of the Colville Reservation and the Spokane Tribe of Indians prior to approval of the Action Memorandum for the Time-Critical Removal Action at the Site. In the near future, EPA will initiate formal consultation regarding the Time-Critical Removal Action.

As EPA and the Confederated Tribes of the Colville Reservation and the Spokane Tribe of Indians proceed with formal consultation, EPA will take into consideration the issues raised regarding action levels during this dispute, and welcomes any additional input from the Tribes.

III. Decision

The dispute raised by the Washington Department of Ecology, the Spokane Tribe of Indians, and the Confederated Tribes of the Colville Reservation, is resolved as of the date of this letter. EPA's proposal to conduct a Time-Critical Removal Action for residential properties at the Site with an action level of 700 ppm for lead are governed by the authorities and requirements of CERCLA and the NCP regarding removal actions. The MOA and its dispute resolution procedures address the RI/FS process of the remedial action for the Site.

[11] EPA Region 10 Tribal Consultation and Coordination Procedures, page 1.
[12] EPA Region 10 Tribal Consultation and Coordination Procedures, Appendix A.

Accordingly:

1. The lead action level for the Time-Critical Removal Action at residential properties at the Site must be determined through CERCLA removal action procedures and tribal consultation policies and will be documented in an Action Memorandum and the associated administrative record;
2. EPA intends to select an action level for the Time-Critical Removal Action for lead of 700 parts per million which will result in a cleanup level of less than 250 parts per million; and
3. EPA will continue to follow all appropriate CERCLA remedial action procedures, including the Memorandum of Agreement, and tribal consultation policies, for determining final cleanup levels for lead for the Remedial Action at the Site.

IV. Administrative Record

An administrative record includes the documents that provide the basis for an EPA decision. The administrative record for the Time-Critical Removal Action for the Site will include documents that were used in reaching the decisions detailed in the Action Memorandum. Pursuant to 40 C.F.R. § 300.415(n)(2), EPA will publish the administrative record within 60 days of initiation of on-site removal activity.

EPA acknowledges the importance of the critical issues brought up through this dispute resolution process and will work with the Participating Parties to address those concerns through the proper procedures. EPA is committed to continuing dialog with the Participating Parties throughout the RI/FS process, in accordance with the MOA, and into the selection of the remedy to ensure a long-term solution to contamination at the Site.

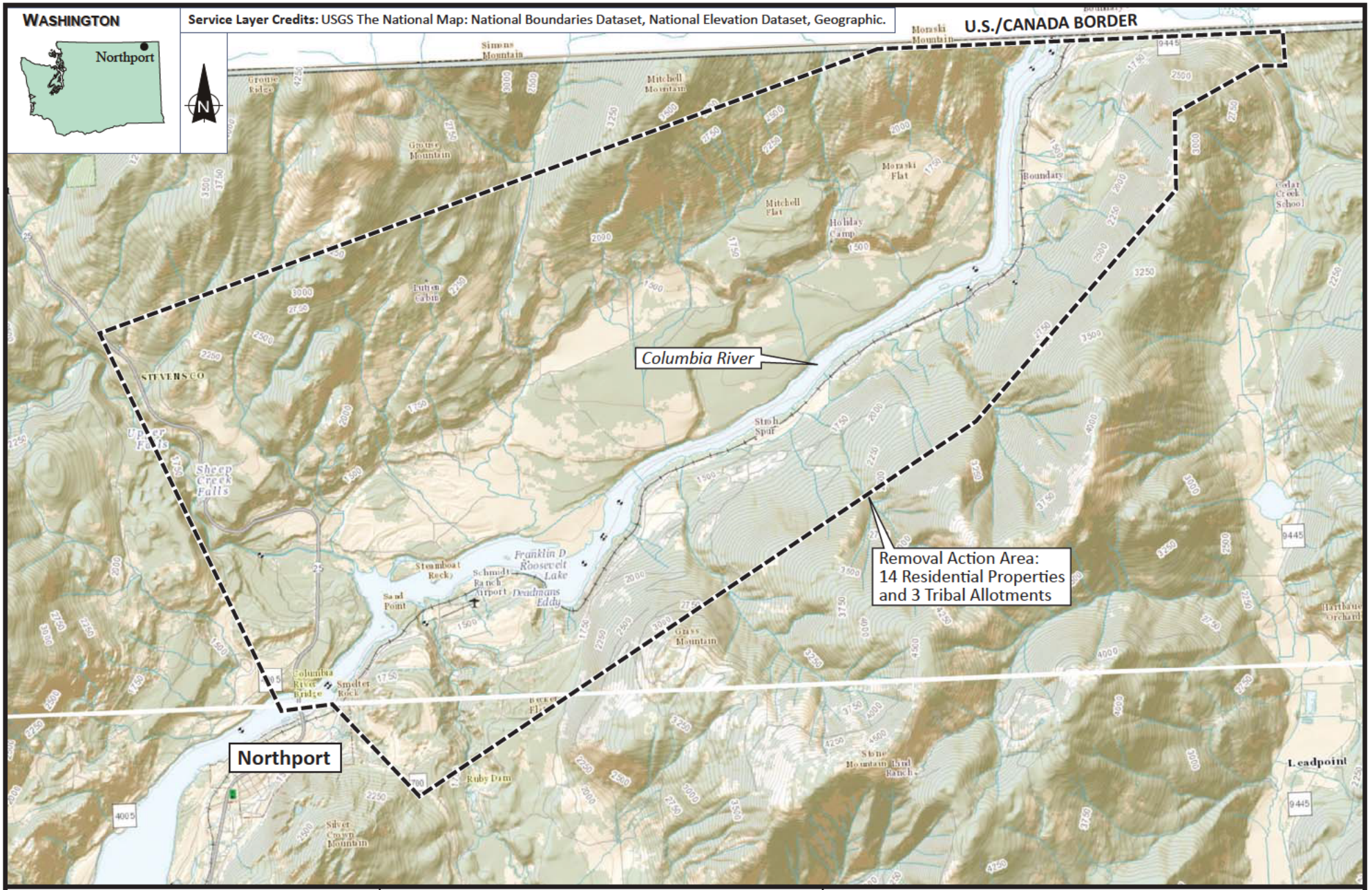
Sincerely,

Richard Albright, Director
Office of Environmental Cleanup

cc: Ms. Patty Bailey, Colville Tribe
Mr. Dan Audet, National Park Service
Mr. Mike Hibbler, Washington State Dept. of Ecology
Mr. John Rowland, Washington State Dept. of Ecology
Mr. Fred Kirschner, AESE, Inc.
Mr. Dennis Faulk, EPA
Ms. Laura Buelow, EPA

ATTACHMENT:

FIGURE 1



ecology and environment, inc.
Global Environmental Specialists
Seattle, Washington

UPPER COLUMBIA RIVER - RESIDENTIAL SOIL REMOVAL ACTION
Northport, Washington

0 1 2
Approximate Scale in Miles

Figure 1
SITE VICINITY MAP

Date:	Drawn by:	
7/15/15	AES	10:START IV\15040004\fig 1

Appendix 7. EPA Letter to K. McCaig, Teck American Incorporated, dated June 14, 2017

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
HANFORD/INL PROJECT OFFICE
825 Jadwin Avenue, Suite 210
Richland, Washington 99352

June 14, 2017

Kris McCaig
Project Manager
Teck American Incorporated
501 North Riverpoint Boulevard, Suite 300
Spokane, Washington 99202

Dear Ms. McCaig,

On February 17, 2017 Teck American, Inc. (TAI) initiated the dispute resolution process in the Settlement Agreement for Implementation of Remedial Investigation and Feasibility Study at the Upper Columbia River Site (Settlement Agreement). TAI raised two separate disputes through two separate letters initiating the disputes. In one letter, TAI disputed EPA's December 8, 2016 directive to TAI to fund EPA to conduct terrestrial plant sampling and tissue analysis. In a separate letter TAI disputed EPA's July 22, 2016 Level of Effort (LOE) for Assessment and Estimations of Upland Soils (background study). We have reached agreement on a resolution of the disputes.

EPA and TAI agree that a delineation study will be conducted within the RI/FS. The delineation study will consist of a combined analysis of empirical data (soil measurements), geospatial and geostatistical analyses, air modeling, and lead isotope ratio data.

TAI will agree to conduct the plant tissue sampling prior to the completion of a delineation study and agrees to:

a. Conduct the plant tissue sampling, rather than fund EPA to conduct the sampling.
b. Hold a technical meeting with EPA and CCT to refine data quality objectives and determine efficiencies that may be gained by limiting the quality assurance project plan to what can be done this fall (tentatively planned for June 22).
c. Draft the Quality Assurance Project Plan (QAPP) and submit to EPA for review and approval this summer. EPA and TAI will work toward a fall 2017 sampling program. It is likely sampling during two seasons will be necessary because the types of plants and plant parts that need to be gathered differ in different seasons.
d. Conduct a study that will primarily be focused on collection of plant tissue from the three Tribal allotments sampled in the 2014 Residential Soil Study that had concentrations of lead in soil above the TCRA action level (700 ppm) plus a reference area.

TAI agrees to prepare a technical assessment in response to EPA's LOE for Assessment and Estimations of Upland Soils (Background). This is to be completed independently of the delineation study. EPA agrees to consider new information resulting from the delineation study that may change the background soil numbers from the background assessment.

While not directly related to the dispute, as discussed during the informal dispute resolution, TAI has also voluntarily agreed to conduct removal actions at four upland residential properties, sampled in 2016, that have measured lead concentrations above 600 ppm.

Sincerely,

Laura C. Buelow
Project Manager

cc: Dan Audet, U.S. Department of Interior (electronic)
Patti Bailey, Confederated Tribes of the Colville Reservation (electronic)
Randy Connolly, Spokane Tribe of Indians (electronic)
John Roland, Washington Department of Ecology (electronic)

Appendix 8. EPA Response to December 2017 Petition re: A Comprehensive Air Monitoring Program from Northport to the U.S. – Canada Border, April 18, 2018

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue
Seattle, WA 98101

April 18, 2018

Dear Petitioners:

Thank you for your petition of December 2017 to the U.S. Environmental Protection Agency requesting that EPA and the Washington Department of Ecology plan and institute a comprehensive air monitoring program from Northport to the U.S./Canada border. We have carefully considered your request. Based on our analysis of existing data we have decided we will not conduct additional air monitoring.

From our evaluation of data collected in 1999 – 2009, we believe that the risk to you from the outdoor air in Northport is low. Based on our analysis of Ecology's report[1] and operational improvements at the Trail facility, we expect current-day concentrations to be even lower.

Below is a technical description of our analysis of the existing data which we have used to make this decision:

EPA evaluated air data measured at a monitoring station near Northport (at Sheep Creek) for the period January 1999 to February 2009. Concentrations today are likely to be lower than those at the Sheep Creek station during that period, because of operational improvements at the Teck facility. EPA has analyzed numerous studies that compared air lead concentration to blood lead concentrations in children[2]. The analysis indicates that the air-associated exposure from inhalation or ingestion of lead in house dust and surface soil can lead to a blood lead level that is 5 to 10 times the value in air. Based on air results at the Sheep Creek monitoring station during the 1999-2009 monitoring period, we see 0.0242 $\mu g/m^3$ in air. This could lead to a 0.12 to 0.24 $\mu g/dL$ level of lead in blood, which is low risk.

In summary:

- For lead, the air concentration from the Sheep Creek monitoring is 0.0242 $\mu g/m^3$, which is well below the levels expected to pose significant human health risks based on current understanding of relationships between air lead concentrations and blood lead concentrations resulting from direct and indirect exposures to air lead.

[1] *Upper Columbia River Valley: Preliminary Review and Evaluation of Available Air Quality Monitoring Data and Consideration of Potential Present-Day Health Risks* (https://fortress.wa.gov/ecy/publications/SummaryPages/1702003.html); Ecology, March 2017

[2] Integrated Science Assessment (ISA) for Lead (https://www.epa.gov/isa/integrated-science-assessment-isa-lead); April 2017.

- For arsenic, the air concentration from the Sheep Creek monitoring is 0.00421 $\mu g/m^3$. This level corresponds to a cancer risk of $2x10^{-5}$ (an increased risk of cancer of two in one hundred thousand for a lifetime exposure). For comparison, this is same level of risk from naturally occurring arsenic in soil.

- For cadmium, the air concentration from the Sheep Creek monitoring is 0.00136 $\mu g/m^3$. This level corresponds to a cancer risk of $2x10^{-6}$ (an increased risk of cancer of 2 in one million for a lifetime exposure).

- For zinc, the air concentration from the Sheep Creek monitoring is 0.0514 $\mu g/m^3$. This level is well below all risk based screening levels.

The existing air data is sufficient to conduct the human health risk assessment for the Upper Columbia River Site and, therefore, EPA will not be collecting additional air monitoring data as part of the remedial investigation and feasibility study for the Site. EPA believes that our evaluation of the potential risk to people from outdoor air, using existing air data, is technically sound.

Again, we appreciate your concern for local air quality and share your commitment to protecting public health in the Northport area. If you have any further questions, please contact me at (206) 553-8696, or Monica Tonel of my staff at (206) 553-0323.

Sincerely,

Cami Grandinetti

Cami Grandinetti, Program Manager
Remedial Cleanup Program

cc: Matt Schanz, Northeast Tri County Health District
John Roland, Washington State Department of Ecology

Appendix 9. Beach-by-Beach Comparison of the Concentration of COPCs in 0 to 15 cm (Surface Sediment) Versus 0 to 45 cm (Subsurface Sediment) Core Samples for the Less than 2 mm Particle Size Fraction

The table below shows the mean concentration of COPCs in the surface (0-15cm) and subsurface (0-45cm) horizons by public beach. Shaded cells indicate where the subsurface COPC concentration exceeded the surface concentration by more than 10%. The frequency is tallied in the right-most column for each COPC in the table. As shown the subsurface concentration of COPCs was generally no greater than the surface concentration, the exceptions being Barnaby Island Campground and Bradbury. For all other beaches, risk management decisions for surface sediment would be protective of subsurface exposures. For Barnaby Island Campground and Bradbury, additional consideration may be warranted.

		Antimony				Arsenic				Chromium				Cobalt				Iron				Lead				Manganese				Count COPCs
Beach Name	Study LocID	0-15cm Mean	0-45cm Mean	Higher	RPD	0-15cm Mean	0-45cm Mean	Higher	RPD	0-15cm Mean	0-45cm Mean	Higher	RPD	0-15cm Mean	0-45cm Mean	Higher	RPD	0-15cm Mean	0-45cm Mean	Higher	RPD	0-15cm Mean	0-45cm Mean	Higher	RPD	0-15cm Mean	0-45cm Mean	Higher	RPD	Freq >10%RPD
AA Campground	CR-AAE	0.0684	0.0667	N	n/a	1.712	1.737	Y	1%	9.74	9.089	N	n/a	4.418	4.301	N	n/a	12440	11917	N	n/a	5.378	7.768	Y	36%	198.8	198	N	n/a	1
Barnaby Island Campgr	CR-BCE	0.0724	0.1055	Y	37%	1.418	1.554	Y	9%	6.102	6.87	Y	12%	3.06	3.42	Y	11%	9756	10537	Y	8%	11.658	12.214	Y	5%	156.2	192.7	Y	21%	4
Black Sand	CR-BSE	48.38	53.87	Y	11%	19.1	20.17	Y	5%	105.66	110.94	Y	5%	46.16	46.8	Y	1%	163720	173660	Y	6%	226.2	209.1	N	n/a	3128.2	3344.1	Y	7%	0
Bossburg Flat	CR-BFE	2.57	1.9345	N	n/a	6.708	6.21	N	n/a	15.726	14.628	N	n/a	5.945	5.2755	N	n/a	20130	17939	N	n/a	1229.8	810.8	N	n/a	295.8	294.6	N	n/a	0
Bradbury	CR-BBE	0.297	0.3707	Y	22%	6.402	8.322	Y	26%	14.75	16.578	Y	12%	6.414	8.023	Y	22%	15600	18720	Y	18%	60.62	57.17	N	n/a	234.4	321.5	Y	31%	6
Colville Flats	CR-CFE	1.066	1.127	Y	6%	6.98	7.226	Y	3%	18.22	16.79	N	n/a	5.466	5.328	N	n/a	18880	18230	N	n/a	299.2	299.7	Y	0%	284.8	284	N	n/a	0
Colville River	CR-CRE	0.1376	0.1433	Y	4%	1.806	1.797	N	n/a	11.35	11.966	Y	5%	5.53	5.374	N	n/a	14294	14482	Y	1%	7.746	9.119	Y	16%	260	239.2	N	n/a	1
Crescent Bay	CR-CSE	0.0712	0.0784	Y	10%	1.892	1.9665	Y	4%	4.112	4.038	N	n/a	5.996	5.861	N	n/a	20100	19780	N	n/a	3.642	3.689	Y	1%	316	306.3	N	n/a	0
Dallas Orchard	CR-DSE	32.78	28.319	N	n/a	10.562	10.1325	N	n/a	48.88	46.33	N	n/a	21.68	18.74	N	n/a	112580	108940	N	n/a	272	268.8	N	n/a	2144	2004	N	n/a	0
Enterprise	CR-ENE	0.0922	0.0906	N	n/a	1.527	1.5475	Y	1%	8.134	8.037	N	n/a	3.565	3.4895	N	n/a	9848	10098	Y	3%	4.387	5.2315	Y	18%	157.7	148.25	N	n/a	1
Evans Campground	CR-EVE	1.2762	1.0032	N	n/a	6.154	5.922	N	n/a	20.788	17.311	N	n/a	5.294	4.824	N	n/a	16688	15507	N	n/a	379.46	316.113	N	n/a	198.86	189.66	N	n/a	0
Flat Creek	CR-FCE	7.488	7.525	Y	0%	8.962	10.763	Y	18%	24.06	23.68	N	n/a	10.016	8.937	N	n/a	26320	30080	Y	13%	239	341.7	Y	35%	439.6	476.3	Y	8%	3
Hawk Creek	CR-HCE	0.3006	0.2861	N	n/a	7.678	7.802	Y	2%	8.852	9.498	Y	7%	5.964	6.451	Y	8%	19460	20430	Y	5%	8.23	8.606	Y	4%	350.2	368.8	Y	5%	0
Hunters	CR-HTE	0.2858	0.3069	Y	7%	3.61	3.726	Y	3%	17.72	17.25	N	n/a	7.614	7.381	N	n/a	18180	17880	N	n/a	59.304	69.643	Y	16%	314.2	306.6	N	n/a	1
Jones Bay	CR-JBE	0.2056	0.2251	Y	9%	5.912	6.224	Y	5%	8.066	8.296	Y	3%	3.934	4.008	Y	2%	14080	14340	Y	2%	5.422	5.534	Y	2%	246.6	242.9	N	n/a	0
Kamloops Island	CR-KLE	0.0456	0.0499	Y	9%	1.928	1.88	N	n/a	14.38	14.46	Y	1%	5.294	5.112	N	n/a	12760	12510	N	n/a	9.504	9.957	Y	5%	221.2	199.2	N	n/a	0
Kettle Falls	CR-KFE	0.0944	0.0926	N	n/a	1.632	1.6355	Y	0%	8.41	8.2505	N	n/a	3.472	3.3795	N	n/a	11624	11002.5	N	n/a	82.828	43.219	N	n/a	162.6	163.5	Y	1%	0
Lyons Island	CR-LYE	0.571	0.5523	N	n/a	4.188	4.383	Y	5%	10.86	10.72	N	n/a	4.556	4.401	N	n/a	14280	14200	N	n/a	172.44	149.25	N	n/a	167	168.8	Y	1%	0
McGuires	CR-MGE	0.2352	0.1863	N	n/a	4.598	4.919	Y	7%	14.53	14.883	Y	2%	6.438	6.31	N	n/a	16840	16520	N	n/a	7.476	7.258	N	n/a	261.4	265.1	Y	1%	0
Mitchell Point	CR-MPE	0.2072	0.2229	Y	7%	4.284	4.522	Y	5%	12.12	12.29	Y	1%	5.504	5.648	Y	3%	14360	14750	Y	3%	5.276	5.535	Y	5%	217.8	221.5	Y	2%	0
Naborlee	CR-NAE	0.18	0.18465	Y	3%	3.732	4.1645	Y	11%	12.88	13.572	Y	5%	5.46	5.962	Y	9%	13540	14450	Y	7%	11.52	11.349	N	n/a	197.6	233.8	Y	17%	2
Nez Perce	CR-NZE	0.1788	0.1834	Y	3%	6.98	7.53	Y	8%	16.82	17.61	Y	5%	6.602	7.516	Y	13%	16640	17340	Y	4%	7.84	8.63	Y	10%	262.2	295.3	Y	12%	2
Northport Beach	CR-NPE	10.488	7.9736	N	n/a	6.264	5.175	N	n/a	21.86	19.283	N	n/a	8.96	7.78	N	n/a	36280	32530	N	n/a	199.6	180.994	N	n/a	554	523.34	N	n/a	0
R.V. Park	CR-RVE	9.934	7.939	N	n/a	9.142	8.118	N	n/a	22.3	20.76	N	n/a	7.64	7.22	N	n/a	49740	50270	Y	1%	328.1	324.75	N	n/a	932.2	974	Y	4%	0
Seven Bays	CR-SBE	0.2866	0.2388	N	n/a	5.914	6.024	Y	2%	7.142	7.021	N	n/a	3.878	3.802	N	n/a	13840	13550	N	n/a	5.912	5.869	N	n/a	249	247.4	N	n/a	0
Spring Canyon	CR-SCE	0.185	0.1983	Y	7%	8.936	9.208	Y	3%	8.298	8.542	Y	3%	3.907	4.1145	Y	5%	15960	16370	Y	3%	7.338	7.06	N	4%	252.7	273.95	Y	8%	0
Summer Island	CR-SRE	0.6386	0.4893	N	n/a	3.526	2.965	N	n/a	12.95	12.565	N	n/a	4.8	4.83	Y	1%	16210	15935	N	n/a	154.164	111.064	N	n/a	215	208.8	N	n/a	0
Swawilla Basin	CR-SWE	0.1626	0.1648	Y	1%	5.786	5.603	N	n/a	9.338	8.527	N	n/a	4.196	4.102	N	n/a	14000	14130	Y	1%	7.296	6.548	N	n/a	220.2	227.3	Y	3%	0
Swimming Hole	CR-DME	72.28	63.84	N	n/a	20.46	18.82	N	n/a	86.78	81.31	N	n/a	43.48	40.82	N	n/a	137640	130650	N	n/a	213.2	201.7	N	n/a	2642	2413	N	n/a	0
Welty Bay	CR-WBE	0.4548	0.4291	N	n/a	3.588	3.5135	N	n/a	19.24	17.29	N	n/a	6.532	5.9935	N	n/a	18620	17575	N	n/a	109.36	93.65	N	n/a	353.6	317.65	N	n/a	0
Whitestone Campground	CR-WSE	0.1844	0.2275	Y	21%	3.932	3.632	N	n/a	7.578	8.069	Y	6%	4.17	4.148	N	n/a	15260	14540	N	n/a	6.834	7.078	Y	4%	224.6	216.2	N	n/a	1
Wilmont Creek	CR-WCE	0.2546	0.252	N	1%	6.222	5.973	N	n/a	16.66	17.06	Y	2%	7.828	7.555	N	n/a	17560	18050	Y	3%	9.578	11.082	Y	15%	312.6	297	N	n/a	1

Appendix 10
CH2M Groundwater Memorandum

TECHNICAL MEMORANDUM - FINAL

Groundwater Exposure Assessment - Upper Columbia River Site

PREPARED FOR:	Monica Tonel/EPA Marc Stifelman/EPA
PREPARED BY:	Marilyn Gauthier LPG
DATE:	March 6, 2018
PROJECT NUMBER:	670274

The purpose of this technical memorandum is to summarizes the occurrence of groundwater in the Upper Columbia River (UCR) Site and evaluate the potential for groundwater to be or become impacted by releases of metals from Teck's Trail Smelter and/or other sources. This evaluation is needed to determine whether groundwater exposure should be evaluated as a complete pathway in the human health risk assessment for the UCR Site. This memorandum was prepared as an update to the Human Health Risk Assessment Work Plan (EPA 2009), which acknowledged the potential for groundwater to be impacted from releases at the Site, but did not include any data or evaluation findings.

Summary of Geology and Hydrogeology

As shown in Figure 1, surface geology along the shore of the UCR north of the Kettle River consists primarily of gravel, sand and clay deposited by glacial streams adjacent to or downstream from temporary ice fronts related to glaciation during the Pleistocene. The UCR is located within the footprint of the ancestral glacial Lake Columbia, which formed at least three times during the Pleistocene glacial period. The glacial lake and its tributaries deposited coarser materials interbedded with silt and clay, forming deltas between bedrock ridges and outcrops. In certain areas, such as the international border, Little Dalles, and Kettle Falls, glacio-fluvial sediments are absent and the river runs over and between bedrock outcrops (typically metasedimentary rocks, limestone, and quartzite). A similar pattern of glacio-fluvial sediments interspersed with bedrock outcrops is found along the Columbia River between Trail and the border (Figure 2). The surface geology south of the Kettle River consists of basalt, and, in some places along the south shore of the Lake Roosevelt reservoir, the basalt cliffs rise nearly 1,000 feet above the lake.

Discontinuous local aquifers are present in permeable glacial alluvial deposits and in permeable sedimentary rocks (sandstones and limestones) (Whitehead 1994) along the Columbia River. Yields of wells completed in these aquifers are in the tens to hundreds of gallons per minute, depending upon the aquifer extent and groundwater recharge (Whitehead 1994). The aquifer that provides the water supply for the City of Northport is an example of a permeable glacial deposit that contains useable quantities of groundwater. The sand and gravel deposits that comprise this aquifer extend from ground surface to depths greater than 200 feet, with static water levels on the order of 75 feet below ground surface (Weston Solutions, Inc. [Weston] 2004). Maximum pumping rates from these wells range from 20 to 100 gallons per minute (Weston 2004).

Groundwater in the project area occurs in interconnected pore spaces between granular particles of unconsolidated aquifers and in fractures or voids of bedrock aquifers. These aquifers receive recharge

from percolation of precipitation into the ground and leakage from surface water bodies (Whitehead 1994). Groundwater flows from higher-elevation recharge areas to lower elevations in the project area, where it discharges into streams, lakes, or rivers, or is pumped from the ground for various uses.

Shallow perched groundwater has been observed at elevations up to 160 feet above the full pool level of the Lake Roosevelt reservoir (Riedel et al. 1997). A study by Thompson (1977), using thermal infrared imagery, identified broad areas of bank seepage, spring discharge, stream inflow, and subsurface discharge into Lake Roosevelt. Observations of bank seepage and groundwater discharge correlated with the presence of unconsolidated glacial sediments rather than bedrock. Shallow groundwater seepage into the reservoir has been identified as a contributor to soil instability and landslides (Jones et al. 1961).

Movement of water between the Lake Roosevelt reservoir and the adjacent geologic strata depends upon several factors, including reservoir stage, bank storage and discharge during various reservoir stages, elevation and gradients of adjacent shallow aquifers, and regional discharge of groundwater into the reservoir from deeper aquifers (Thompson 1977).

Groundwater in the Columbia Plateau basalts aquifer discharges to Lake Roosevelt at the northern edge of the south-sloping Columbia basalts (Whitehead 1994). Lower reaches of the Columbia River farther to the south (and outside of the UCR study area) subsequently receive discharge from this extensive basalt aquifer. Groundwater in the basalt units may flow upward or downward among the units, depending upon local water level, groundwater gradients, and pumping conditions (Whitehead 1994). Depths to groundwater measured in water wells on properties nearest the river range from 60 to 110 feet below grade

Groundwater Use

Groundwater from wells and springs located within the UCR Site is used for public and domestic potable water supply, irrigation, power generation, and industry. There are 139 public water systems that utilize groundwater located within 5 miles of the UCR and Lake Roosevelt shoreline (Table 1). 3,312 water wells, 12 water supply springs, and 131 public water systems that utilize groundwater located within 5 miles of the UCR and Lake Roosevelt shoreline. Area residents may also have their own wells or may be served by a community well. In the northern portion of the Site, where potential impacts from smelter emissions and/or slag deposits along the river are of concern, there are 1,940 registered active water supply wells. Based on available records for water supply wells in the area[1], wells located nearest the river and reservoir are generally completed in local glacio-fluvial aquifers. Where glacio-fluvial sediments are absent or thin, wells are completed in fractured bedrock.

Chemical Sources

Potential sources of chemicals that could reach and impact groundwater at the UCR Site include current and historic mining and smelting operations. Teck's Trail Smelter, located approximately 10 river miles north of the border, is considered a source of metals found in soil, sediment, and other media at the UCR Site. However, other sources such as current/historic mines, mills, and smelters in the area that have been operated by other companies may also have contributed metals and other chemicals. Known and suspected releases from the Trail facility and other sources that have relevance to the UCR Site are depicted on the left side of Figure 3. These sources include, but are not limited to:

- Atmospheric emissions (stack and fugitive)
- Disposal of slag, tailings, liquid and solid waste to the Columbia River

[1] https://fortress.wa.gov/ecy/waterresources/map/WCLSWebMap/WellConstructionMapSearch.aspx

- Discharge of process wastewater and accidental spills and releases to the Columbia River

Another potential concern could be groundwater migration from upland source areas.

Groundwater Exposure Assessment

The following sections describe the release and transport mechanisms that could link chemical releases from the Trail Smelter and other sources to human exposure to impacted groundwater.

Aerial Emissions

Lead and arsenic potentially related to atmospheric emissions from the Trail Smelter may be present in surface soil at some locations in the northern portion of the UCR Site. As indicated in Figure 3, where present, metals have the potential to dissolve and leach into the underlying soil and groundwater. However, lead is strongly adsorbed to soil and is generally retained in the upper layers of soil and does not leach appreciably into the subsoil and groundwater (ATSDR 2007). Arsenic behaves similarly, but may leach to subsurface soil and groundwater under reducing conditions (Ecology 2006). Soil pH measurements from the upland soil study conducted in 2014 (TAI 2015) show that surface soil in the UCR aerial deposition study area is generally acidic or neutral (pHs between 5 and 7) so there is limited potential for leaching of lead and arsenic to subsurface soil or groundwater accessed by a water supply well. Therefore, given that depths to groundwater measured in water wells on properties nearest the river are in the range of 60 feet below grade and deeper, the groundwater exposure pathway for this source/release combination is incomplete, as shown in Figure 3.

Disposal of Slag to Columbia River

Approximately 10 million tons of granulated slag were discharged into the Columbia River from the Trail Smelter until 1995. The slag was transported as suspended and bed load during periods of high flow and was deposited further downstream when flow rates diminished. Slag-impacted sediments are commonly observed in depositional features (banks, bars) in the upper reaches of the UCR Site between Marcus and the international border. Slag has also been observed in sediment cores taken from the former river channel (thalweg) portion of Lake Roosevelt, indicating that the river carried slag further south prior to its impoundment behind Grand Coulee Dam.

Metals present in the slag have potential to leach to interstitial water between sediment grains (sediment porewater). However, at locations where slag may be present in sediments in or adjacent to a stream channel and bank, the daily and seasonal ranges of river stage and lake levels at the Site make it impractical to construct or use water supply wells in such areas. Additionally, except for local surface water influx into sediment/soil adjacent to the river during periods of high water (bank storage), groundwater flow is toward the river so migration of potentially impacted porewater or groundwater from where slag may be present in sediment to areas where water supply wells are located, typically several hundred feet away from and upgradient of the river, is unlikely. Therefore, the groundwater exposure pathway for this source/release combination is incomplete, as shown in Figure 3.

Liquid Effluent, Spills, and Other Aqueous Releases to Columbia River

Liquid effluent has been discharged to the Columbia River since the early days of smelter operations. Dissolved metal concentrations in the effluent and the number of spills and other aqueous release have decreased over time. Recent rounds of surface water sampling in the river have not identified water quality issues. All samples were below drinking water standards, except samples designed to retain suspended sediments. However, based on sediment quality data from the lower reaches of the Site where finer grained sediments are present, metals from earlier releases may have become attached to flocculated particles that settled out as sediment in the reservoir (TAI 2011). The impacted fine-grained sediments are primarily within Lake Roosevelt and water supply wells are not completed in this material. As with slag-enriched deposits in the upper reaches of the Site, groundwater flow is from upland areas

toward the reservoir so migration of potentially impacted porewater or groundwater from potentially affected sediments is unlikely. Therefore, the groundwater exposure pathway for this source/release combination is incomplete, as shown in Figure 3.

Groundwater Migration from Upland Source Areas

Water wells located downgradient of upland source areas have the potential to be impacted by leaching and dissolution of contaminants into the underlying groundwater and subsequent migration of the contaminant plume. Based on sampling at 39 mines and mills within the UCR Site (EPA 2002 and 2003) and the removal actions at Northport (Weston 2005) and Young America Mine (TechLaw 2012), there is no evidence that groundwater is contaminated by metals within or downgradient of known source areas within the UCR Site. For example, during the removal action at Young America Mine, groundwater samples were collected from a private water supply well installed through the former tailings impoundment and from a seep within a mine adit. Concentrations of metals in both samples were below EPA maximum contaminant levels (MCLs). Therefore, the groundwater exposure pathway for this source/release combination is incomplete, as shown in Figure 3.

Concerns have been expressed about possible migration of known groundwater contamination related to Teck's operations in Trail, British Columbia. The following bullets summarize conditions in the area and provide the basis for concluding that the plume will not affect groundwater within the UCR Site:

- The impacted groundwater is broadly characterized as an ammonium sulphate plume and contains elevated concentrations of nitrogen, sulphate, fluoride, total dissolved solids, and various metals (e.g., arsenic, cadmium, iron, lead, manganese, and zinc) (Teck 2012).
- Surface and subsurface geology in the vicinity of Trail consist of fine sands, silty fine sands, and sandy silts, which are consistent with a glacio-fluvial or glacio-lacustrine origin. In addition to the finer-grained material, a zone of higher permeability sediments (sand and gravel) is present under Teck's Trail facility. The gravel-rich zone appears to extend under the Columbia River and beneath East Trail. The zone appears to provide a pathway for groundwater flow and plume migration. The shallow portion of the plume discharges to the river just downgradient of the facility, but the deeper portion of the plume crosses under the Columbia River in the gravel-rich strata and flows into the East Trail Aquifer, eventually discharging back to the Columbia River through river bed sediments and into the river itself approximately 600 hundred feet downstream (Teck 2012). The approximate extent of the plume is shown in yellow on Figure 4.
- Teck installed a hydraulic containment system within the footprint of the plume near, but upgradient of, the point of initial discharge to the Columbia River. The recovered groundwater is routed to a recently constructed water treatment plant located on the bench above the river at the Trail facility. The goal of the remedial action is to "provide sufficient plume capture to eliminate or reduce the discharge of deleterious substances to fish-frequented waters." (Teck 2012). The recovery and treatment system was expected to be fully operational by summer of 2017 (Teck 2017).
- An ecological risk assessment was performed to determine if active remediation would be required to address plume re-entry to the Columbia River downstream of East Trail. The assessment found that unacceptable risks were unlikely and that no remedial intervention was required (Teck 2012). However, follow-up monitoring was planned to confirm that conditions in the area remain similar to those used in the risk assessment (Teck 2015).
- As indicated in Figure 4, the ammonium sulphate groundwater plume has been delineated. The impacted aquifers do not extend into the UCR project area. Consequently, groundwater in the UCR project area cannot be impacted by the ammonium sulfate plume and the groundwater exposure pathway for this source/release combination is incomplete.

Groundwater Data

As part of the research effort for this memorandum, CH2M reviewed Washington Department of Health (DOH) pre-treatment water quality monitoring records for all public water systems located in the northern portion of the Site where potential impacts from smelter emissions and/or slag deposits along the river are of concern. Data for a total of 65 public water systems (4 spring-sourced systems and 61 well-sourced systems) were reviewed. The results of the data reviews are listed by water system in Table 1. More information about each water system can be found at the link below:

https://fortress.wa.gov/doh/eh/portal/odw/si/FindWaterSystem.aspx

For the most part, the water provided by public water systems in the upper portion of the UCR Site meets drinking water standards. Exceptions include infrequent exceedances of the criteria for total coliform, e. coli, and fecal coliform, along with occasional exceedances of the criteria for iron and manganese. Such contaminants are not related to releases from the Teck smelter. Sporadic exceedances of the arsenic criterion were reported in a cluster of systems near Hunters, WA (Hunters Water District, Hunters Campground, and Columbia School District) and the system for Union Gospel Mission Camp near Wellpinit, WA (which is not part of the UCR Site). The elevated concentrations of arsenic in these systems are not thought to be related to releases from the Trail smelter because the sources for these systems are located in upland areas considerably outside of the estimated footprints for higher smelter emissions soil impacts and well past the area of slag impacts in the river/reservoir.

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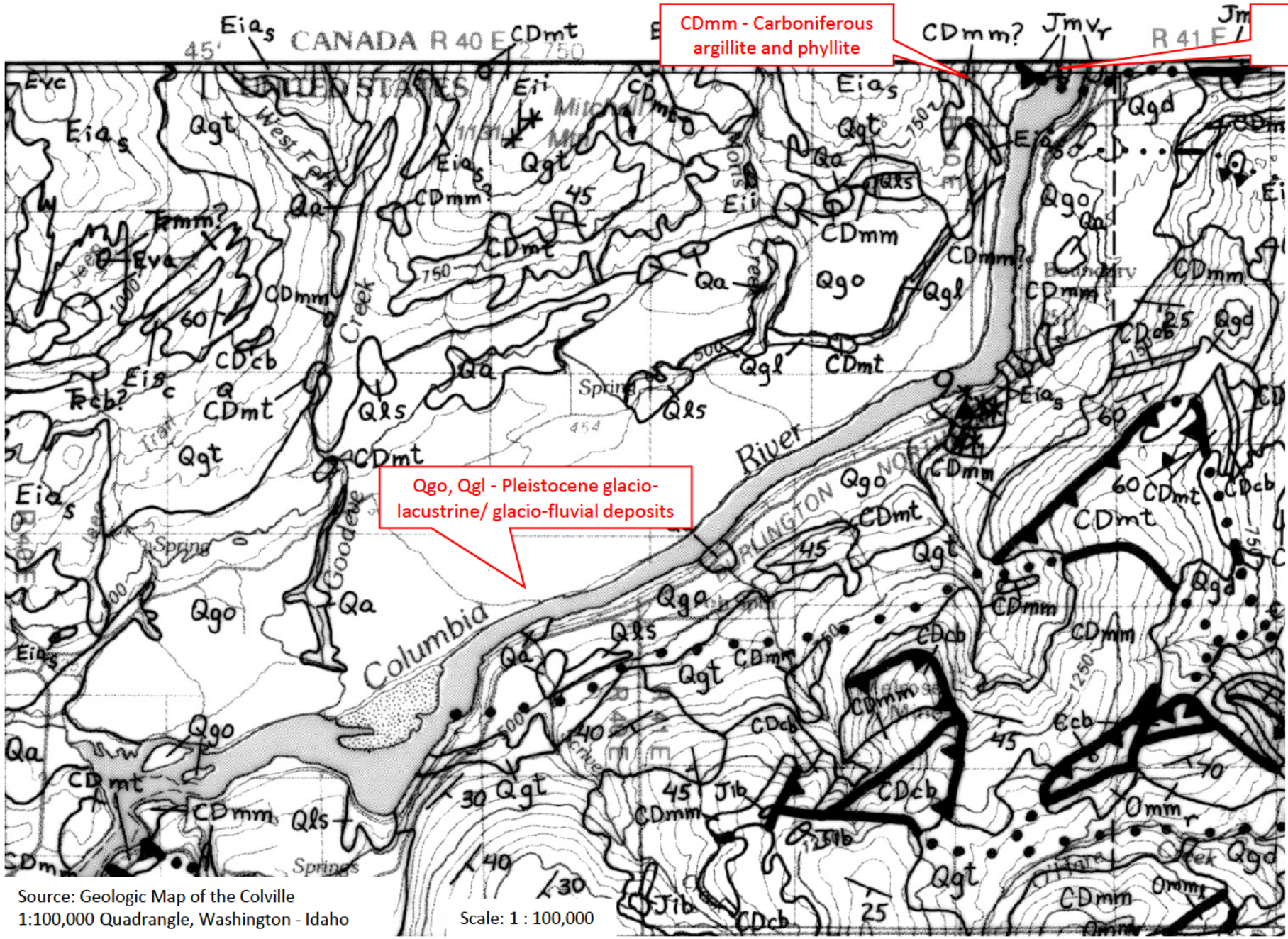
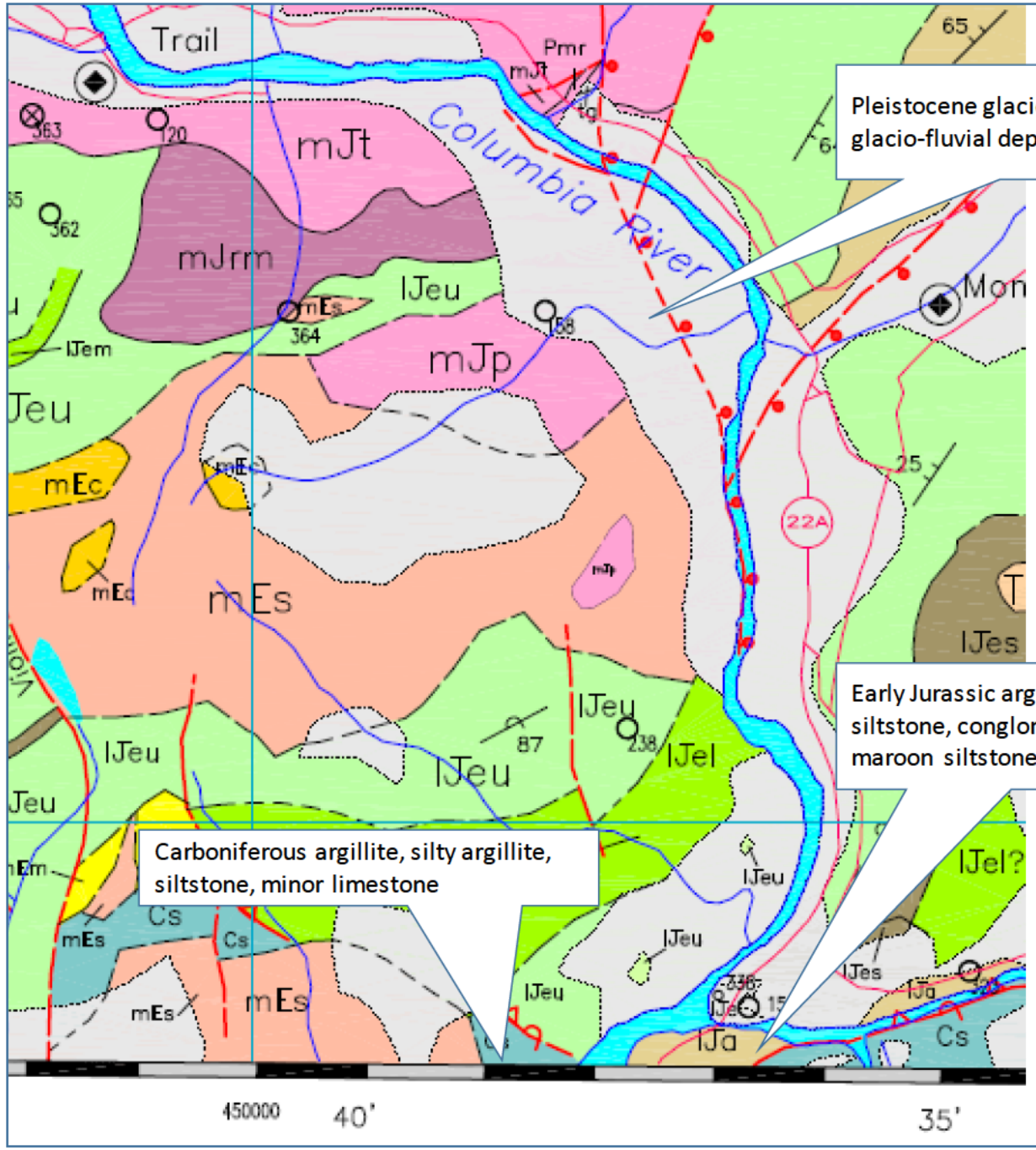


Figure 1
Surface Geology Between Northport WA and Border



LEGEND

CENOZOIC

TERTIARY

Tr — rhyolite dikes

Ti — hornblende–feldspar and hornblende porphyries

MIDDLE EOCENE

mEc — CORYELL INTRUSIONS: biotite monzonite, biotite – augite monzonite; mEm–syenite; mEg–granitic; gr–gneissic

mEs — SHEPPARD INTRUSIONS: granite, rhyolite dikes

mEm — MARRON FORMATION: andesite flows; minor lapilli tuff, tuffaceous sandstone and tuffaceous conglomerate

EOCENE – PALEOCENE

PEg — leucocratic biotite quartz monzonite, granite

PALEOCENE

Pgn — K–feldspar megacrystic biotite–hornblende quartz monzonite

MESOZOIC

LATE CRETACEOUS

uKsm — SOPHIE MTN FORMATION: coarse conglomerate with quartzite and/or siltstone clasts, minor argillite

EARLY CRETACEOUS

lKg — granite, quartz porphyry, granitic gneiss; kg–Kinnaird pluton; Kinnaird gneiss

MIDDLE TO EARLY JURASSIC

mJp — NELSON INTRUSIONS: includes Nelson, Bonnington (mJb), Trail (mJt), and Mackie (mJm) plutons: porphyritic granite, granodiorite, quartz monzonite, tonalite; minor diorite, porphyry and breccia

EARLY TO MIDDLE JURASSIC

mJrm — ROSSLAND MONZONITE: biotite/biotite–augite monzonite, monzodiorite

mJsk — SILVER KING INTRUSIONS: plagioclase porphyry (leucodiorite)

Jec — EAGLE CREEK PLUTONIC COMPLEX: diorite, gabbro, meta–diorite, pyroxenite, monzonite

Jm — monzogabbro; monzonite, diorite

EARLY JURASSIC

lJr — ROSSLAND GROUP: mafic to intermediate flows and tuffs, tuffites, argillaceous siltstone, turbidite siltstone and wacke, minor pebble conglomerate and subvolcanic intrusions

lJh — HALL FORMATION: argillite, carbonaceous siltstone; minor pebble conglomerate and carbonate

lJe — ELISE FORMATION: mafic flows, pyroclastic breccia; mafic to intermediate tuffs, turbites

lJes — Elise sedimentary rock: argillaceous siltstone

lJeu — Upper Elise Formation: basaltic to andesitic lapilli, crystal and fine tuff, mafic flows, tuffaceous siltstone and conglomerate; lJem–mafic flows

lJel — Lower Elise Formation: basaltic flows and flow breccias, basaltic pyroclastic breccia, minor basaltic to andesitic crystal and fine tuff

lJa — ARCHIBALD FORMATION: argillite, turbidite siltstone, conglomerate and minor maroon siltstone

EARLY JURASSIC AND LATE TRIASSIC (?)

lJy — YMIR GROUP: argillite, siltstone, grit, impure limestone; minor chert, wacke; generally rusty–weathering

DEVONIAN TO EOCENE (?)

tg — TRAIL GNEISS: amphibolite and biotite gneiss, hornblende gneiss, minor schist, pegmatite and aplite

PENNSYLVANIAN (?)

cg — CASTLEGAR GNEISS COMPLEX: heterogeneous hornblende ±biotite quartz–feldspar paragneiss, amphibolite, calc–silicate gneiss, orthogneiss

DEVONIAN

Dj — JOHNSON CREEK PLUTON: trondhjemite

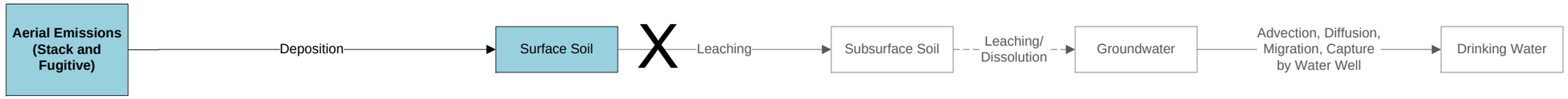
Scale: 1 : 100,000

Source: Geologic Compilation of the Trail Map-Area Southeastern British Columbia, 1998

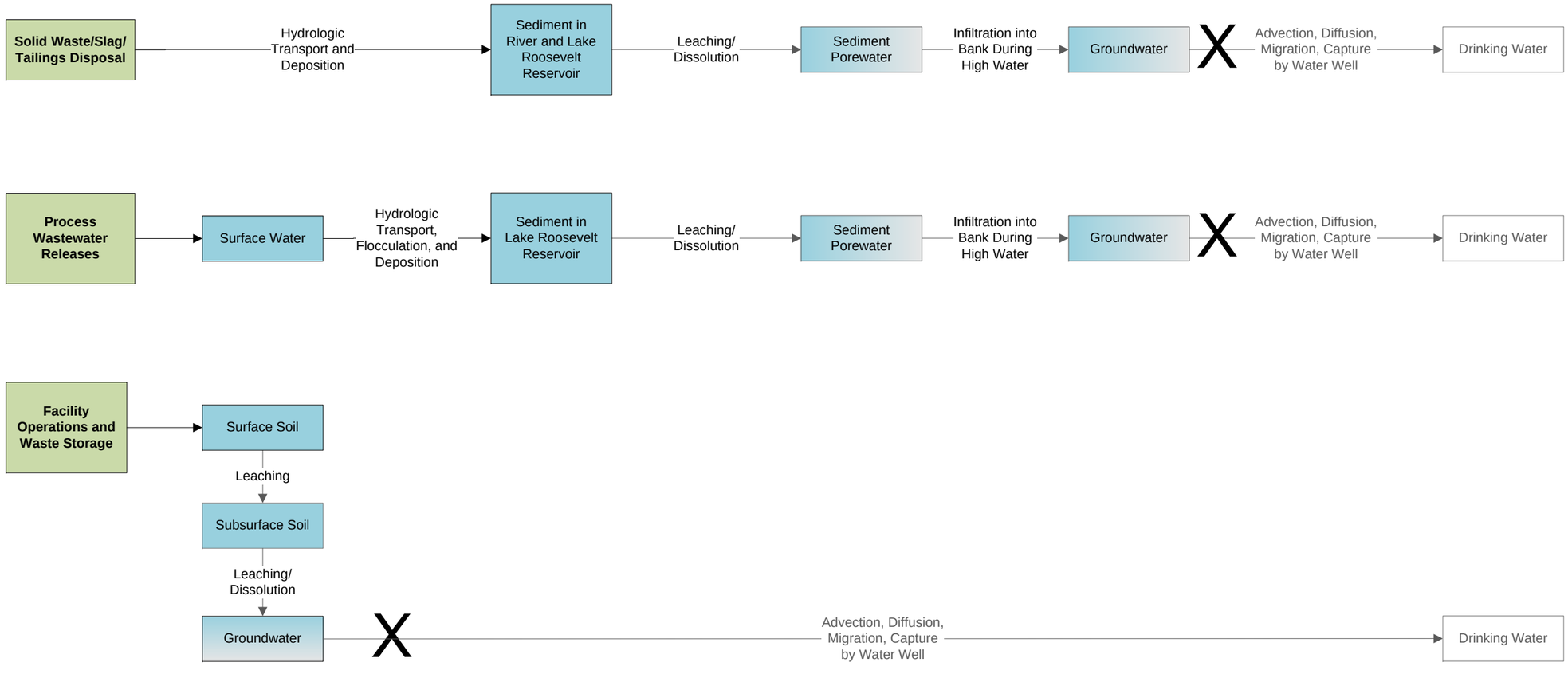
Figure 2
Surface Geology Between Trail and Border

UCR Groundwater Exposure Conceptual Site Model

Smelter Emissions



Current/Historic Mining & Smelter Operations



Explanation

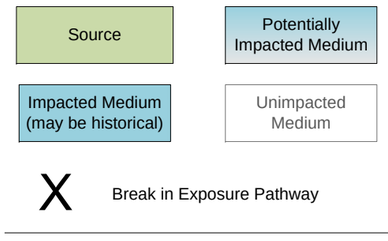
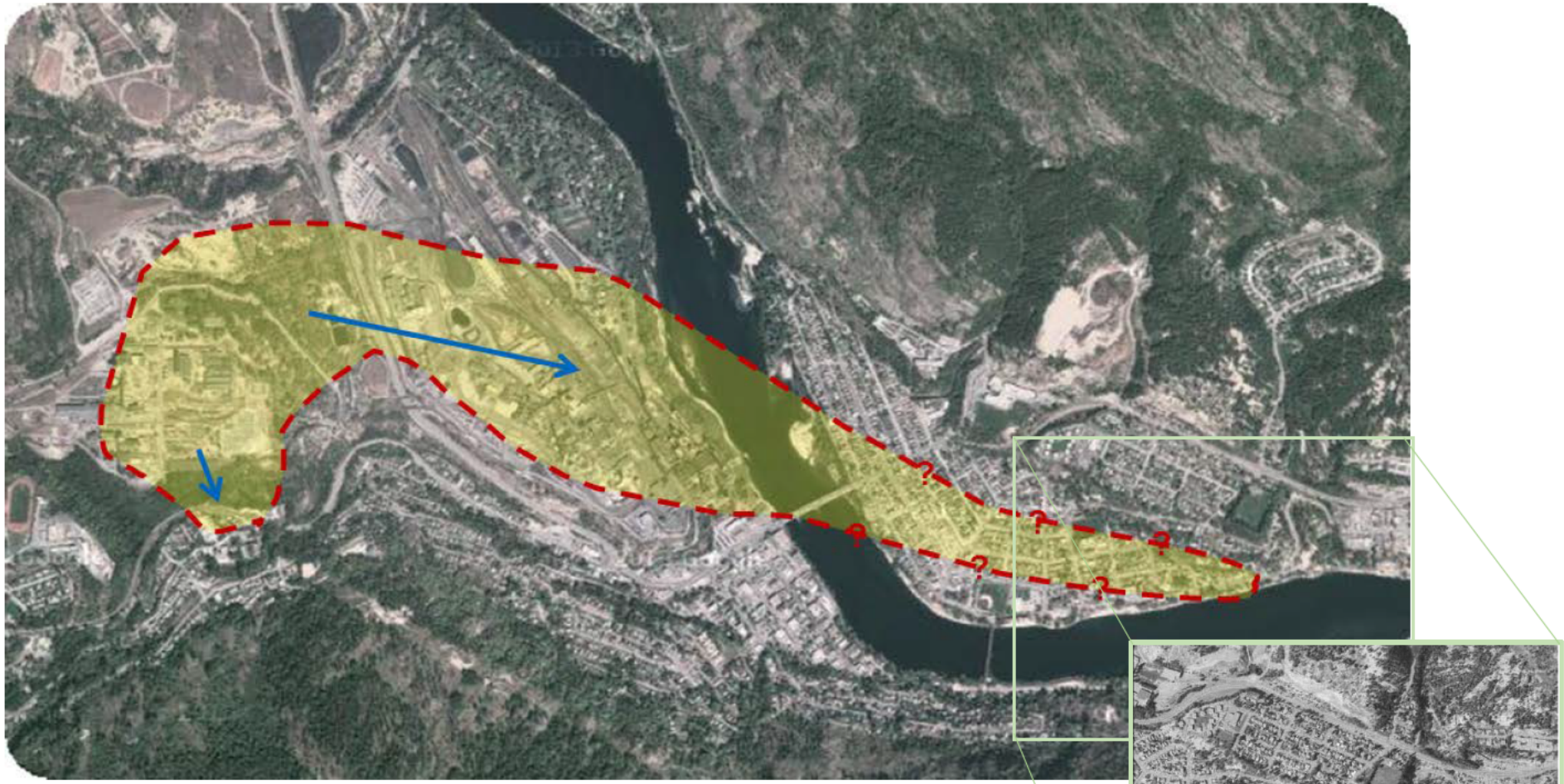
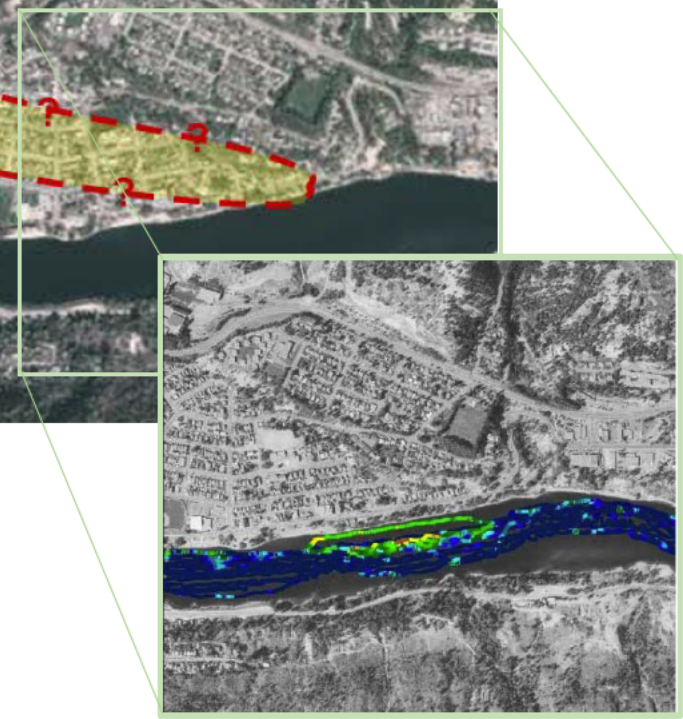


Figure 3
UCR Groundwater Exposure Conceptual Site Model





Source: Trail Operations Groundwater Update (Teck 2015)

Figure 4
Approximate Extent of Ammonium Sulphate Plume and Groundwater Discharge Area Along Columbia River Trail, British Columbia

Table 1
Public Water Systems with Groundwater Sources in Vicinity of UCR Site

Water System ID	System Name	Group	System Type	County	Source Type	Use	DOH Monitoring Data Reviewed for Groundwater Exposure Memorandum	Summary of DOH Data Review
Springs (12)								
4490	Upper Columbia RV Park & Campground	A	Transient Non-Community	STEVENS	Spring	Permanent	Yes	Fecal coliform exceedances only
1649H	MARBLE WATER SYSTEM	B	Group B	STEVENS	Spring	Permanent	Yes	System is listed but no data
17710	DAISY WATER SYSTEM	B	Group B	STEVENS	Spring	Permanent	Yes	E. coli and total coliform exceedances in 1996. No other data
18451	MY PARENTS ESTATE	B	Group B	STEVENS	Spring	Permanent	Yes	E. coli and total coliform exceedances in 2006 and 2007
26810	FRUITLAND WATER ASSN	B	Group B	STEVENS	Spring	Permanent	No*	System is listed but no data
89080	TRAILS WEST SUBDIVISION	B	Group B	STEVENS	Spring	Permanent		Iron and manganese exceedances 1981, total coliform exceedances multiple years
AC539G	Isreal Camp	B	Group B	STEVENS			Yes	Not listed in HHRA Work Plan. E. coli and total coliform exceedances in 2012
26090	FORT SPOKANE STORE	B	Group B	LINCOLN	Spring	Permanent	No*	
41164	BROUGHER RANCH INC	B	Group B	LINCOLN	Spring	Permanent	No*	
NP280	FORT SPOKANE CAMPGROUND	A	Transient Non-Community	LINCOLN	Spring	Permanent	No*	
2190	TOWNSHIP CREEK WATER SYSTEM	B	Group B	FERRY	Spring	Permanent	No*	
34737	BISBEE ACRES WATER ASSOCIATION	B	Group B	FERRY	Spring	Permanent	No*	
75825	SAN POIL BAY IMPROVEMENT ASSN INC	B	Group B	FERRY	Spring	Emergency	No*	
Wells (127)								
3554	Union Gospel Mission Tshimakain	A	Transient Non-Community	STEVENS	Well(s)	Permanent	Yes	Near Wellpinit. Arsenic exceedances in 2008 and 2007, iron and manganese exceedances in 1990, multiple total coliform exceedances 1990s and early 2000s
7664	COLUMBIA SCHOOL DISTRICT 206	A	Non-Transient, Non-Community	STEVENS	Well(s)	Permanent	Yes	Near Hunters. Arsenic exceedances 2005 through 2008, manganese exceedacnes 1995 and 1997
23960	EVANS WATER SYSTEM	A	Community	STEVENS	Well(s)	Permanent	Yes	Multiple total coliform and e. coli exceedances 2000s and 2010s
24162	EVERGREEN SCHOOL DISTRICT #205	A	Non-Transient, Non-Community	STEVENS	Well(s)	Permanent	Yes	Near Gifford. Total coliform exceedances 1990s and 2000s
26790	FRUITLAND BIBLE CAMP	A	Transient Non-Community	STEVENS	Well(s)	Permanent and Seasonal	Yes	Multiple total coliform exceedances 1990s and 2000s
30434	MISSION RIDGE WATER SYSTEM	A	Community	STEVENS	Well(s)	Permanent	No	No record of water system in database
34889	HUNTERS WATER DISTRICT	A	Community	STEVENS	Well(s)	Permanent and Emergency	Yes	Arsenic exceedances 2006 - 2017, manganese exceedances 1980s, total coliform exceedances 2005 and 2007
38400	KETTLE FALLS WATER DEPT	A	Community	STEVENS	Well(s)	Permanent	Yes	Total coliform exceedances 1990s 2008, 2011, 2013
41379	WELLPINIT SCHOOL	A	Non-Transient, Non-Community	STEVENS	Well(s)	Permanent	Yes	Total coliform exceedances 2007 and 2008
51550	MARCUS WATER DEPT	A	Community	STEVENS	Well(s)	Seasonal, Permanent, and Emergency	Yes	Sporadic exceedances for conductivity, TDS, manganese, cadmium (one time), and iron in 1990s and early 2000s. Multiple exceedances for total coliform. Most recent metals data is from 4/16/2015
55822	Onion Creek School District	A	Non-Transient, Non-Community	STEVENS			Yes	Not listed in HHRA Work Plan. Total coliform exceedance in 1998
61850	NORTHPORT WATER SYSTEM	A	Community	STEVENS	Well(s)	Permanent	Yes	Multiple exceedances for total coliform; sporadic exceedances for iron, manganese, cadmium (one time) and conductivity in late 1970s; sporadic exceedances for manganese and iron in 2000 and 2001. Most recent metals results are from 9/20/2016
99330	YE OLD COUNTRY STORE	A	Transient Non-Community	STEVENS	Well(s)	Permanent	Yes	No exceedances
NP070	CAMP NABOR LEE	A	Transient Non-Community	STEVENS	Well(s)	Permanent	Yes	Total coliform exceedances 2005, 2010, 2012
NP110	CLOVERLEAF CAMPGROUND	A	Transient Non-Community	STEVENS	Well(s)	Permanent	Yes	Iron exceedance 1978
NP240	EVANS CAMPGROUND	A	Transient Non-Community	STEVENS	Well(s)	Permanent	Yes	Sporadic exceedances for iron, manganese, conductivity, and sulfate in late 1970s. One total coliform exceedance in 1997.
NP300	GIFFORD CAMPGROUND	A	Transient Non-Community	STEVENS	Well(s)	Permanent	Yes	Iron and manganese exceedances 1978, total coliform exceedance 1998 and 2006
NP380	HUNTERS CAMPGROUND	A	Transient Non-Community	STEVENS	Well(s)	Permanent	Yes	Arsenic exceedance 2002, total coliform exceedances 2001
NP460	KAMLOOPS ISLAND CAMPGROUND	A	Transient Non-Community	STEVENS	Well(s)	Permanent	Yes	Iron exceedances 1984 and 1997
NP610	MARCUS ISLAND CAMPGROUND	A	Transient Non-Community	STEVENS	Well(s)	Permanent	Yes	Iron and manganese exceedances in 1984, one total coliform exceedance in 2004
NP660	NORTH GORGE CAMPGROUND	A	Transient Non-Community	STEVENS	Well(s)	Permanent	Yes	Iron exceedance 1981, total coliform exceedaces 1996 and 2009
NP780	SNAG COVE CAMPGROUND	A	Transient Non-Community	STEVENS	Well(s)	Permanent	Yes	Iron exceedances 1984 and 1997, manganese exceedance 1984, total coliform exceedances 2003
1852	DEER MEADOWS WATER COMPANY INC	A	Community	LINCOLN	Well(s)	Permanent	No*	
19928	HANSON HARBOR HOMEOWNERS ASSN	A	Community	LINCOLN	Well(s)	Permanent	No*	
20116	RANTZ MARINE PARK	A	Transient Non-Community	LINCOLN	Well(s)	Permanent	No*	
23324	RIVER RUE WATER SYSTEM	A	Transient Non-Community	LINCOLN	Well(s)	Permanent	No*	
23391	SUNNY HILLS WATER SYSTEM	A	Transient Non-Community	LINCOLN	Well(s)	Permanent	No*	
45366	LAKEVIEW TERRACE MHP	A	Community	LINCOLN	Well(s)	Permanent	No*	
47283	ROOSEVELT LAKE RANCH	A	Community	LINCOLN	Well(s)	Permanent	No*	
77651	SEVEN BAYS ESTATES UNLIMITED	A	Community	LINCOLN	Well(s)	Permanent	No*	
HD340	KELLER FERRY LANDING	A	Transient Non-Community	LINCOLN	Well(s)	Permanent	No*	
NP280	FORT SPOKANE CAMPGROUND	A	Transient Non-Community	LINCOLN	Well(s)	Seasonal	No*	
NP335	HAWK CREEK CAMPGROUND	A	Transient Non-Community	LINCOLN	Well(s)	Permanent	No*	
NP469	KELLER FERRY MARINA	A	Transient Non-Community	LINCOLN	Well(s)	Permanent	No*	
NP470	KELLER FERRY CAMPGROUND	A	Transient Non-Community	LINCOLN	Well(s)	Permanent	No*	
NP700	PORCUPINE BAY CAMPGROUND	A	Transient Non-Community	LINCOLN	Well(s)	Permanent	No*	
NP810	SPRING CANYON CAMPGROUND	A	Transient Non-Community	LINCOLN	Well(s)	Permanent	No*	
8114	SUNBANKS RESORT	A	Transient Non-Community	GRANT	Well(s)	Permanent	No*	
15451	COULEE GRANDE-BANKS LK GOLF COURSE	A	Transient Non-Community	GRANT	Well(s)	Seasonal	No*	
22850	ELECTRIC CITY, TOWN OF	A	Community	GRANT	Well(s)	Permanent and Seasonal	No*	

Water System ID	System Name	Group	System Type	County	Source Type	Use	DOH Monitoring Data Reviewed for Groundwater Exposure Memorandum	Summary of DOH Data Review
28700	GRAND COULEE WATER DEPT, CITY OF	A	Community	GRANT	Well(s)	Permanent	No*	
7216	WATERING HOLE, THE	A	Transient Non-Community	FERRY	Well(s)	Permanent	No*	
8174	COLUMBIA CEDAR	A	Non-Transient, Non-Community	FERRY	Well(s)	Permanent	No*	
33301	NORTH LAKE ROOSEVELT RESORT	A	Transient Non-Community	FERRY	Well(s)	Permanent	No*	
33489	LAKESIDE PARK	A	Community	FERRY	Well(s)	Permanent	No*	
35550	INCHELIUM WATER DISTRICT	A	Community	FERRY	Well(s)	Permanent and Emergency	No*	
51877	MARTIN CREEK COMMUNITY ASSN	A	Community	FERRY	Well(s)	Permanent	No*	
73032	RIVERWOOD WATER SYSTEM	A	Community	FERRY	Well(s)	Permanent	No*	
NP330	HAAG COVE CAMPGROUND	A	Transient Non-Community	FERRY	Well(s)	Permanent	No*	
NP495	KETTLE RIVER CAMPGROUND	A	Transient Non-Community	FERRY	Well(s)	Permanent	No*	
1577	(b) (6) YSTEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
1664	YSTEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
1804	WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
2185	(b) (6) WELL	B	Group B	STEVENS	Well(s)	Permanent	Yes	Total coliform exceedance 1997
2471	(b) (6) ATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
2491	STEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
2524	WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent	No	No record of system in database
2525		B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
2539	(b) WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
2704	FRONTIER WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
2752	(b) (6) ATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
2769	VERY DEEP WELL WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	Total coliform exceedances 1997 and 2005
2839	(b) (6) WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
2984	TR. SYS.	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
3024	DRAKE S WATER COMPANY	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
3135	(b) (6) WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
3252	WTR. SYS.	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
3719	. WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
3743	(b) (6) WELL	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
4112	RICKEY CANYON SUBDIVISION	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
4430	GOLDEN WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	System is listed but no data
5283	(b) (6) WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
5320	ECHO RIDGE VETERINARY HOSPITAL	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
6224	CHINA BEND VINEYARDS	B	Group B	STEVENS	Well(s)	Permanent	Yes	Iron, manganese, and total coliform exceedances in late 1990s and early 2000s
6870	(b) (6) WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	Iron exceedance 1998
7800	BOSSBURG WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
7804	RICE CHURCH	B	Group B	STEVENS	Well(s)	Permanent	Yes	Iron and manganese exceedances 2000
8268	(b) WATER DISTRICT	B	Group B	STEVENS	Well(s)	Permanent	Yes	Sulphate, TDS, iron, and conductivity exceedances 2000 and 2001
33856	CE MINERALS/CALHOUN MILL	B	Group B	STEVENS	Well(s)	Permanent	Yes	System is listed but no data
34825	(b) (6) WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
41431	SNAG COVE WATER SYSTEM	B	Group B	STEVENS	Well(s)	Permanent	Yes	Iron and manganese exceedances in late 1980s, total coliform exceedances in 2007
62252W	MOORE WATER SYSTEM	B	Group B	STEVENS			Yes	No exceedances
AA168	CLEAR WATER	B	Group B	STEVENS	Well(s)	Permanent	Yes	Iron and manganese exceedances 2000
AA572	BUCK CANYON LODGE	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
AA757	Gold Edge Estates	B	Group B	STEVENS	Well(s)	Permanent	Yes	System is listed but no data
AA980	Stevens Co Fire District #12	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
AB381	Victory Baptist Church	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
AC2556	Onion Creek General Store	B	Group B	STEVENS			Yes	Not listed in HHRA Work Plan. No exceedances
AC469E	La Z Daze Retreats	B	Group B	STEVENS			Yes	Not listed in HHRA Work Plan. No exceedances
NR720	SHEEP CREEK CAMPGROUND	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
NR900	WILLIAMS LAKE CAMP GROUND	B	Group B	STEVENS	Well(s)	Permanent	Yes	No exceedances
196	PORTER WELL WATER SYSTEM	B	Group B	LINCOLN	Well(s)	Permanent	No*	
2484	HUNTER FAMILY WATER SYSTEM	B	Group B	LINCOLN	Well(s)	Permanent	No*	
4298	COLUMBIA SPRINGS ESTATES	B	Group B	LINCOLN	Well(s)	Permanent	No*	
4991	KUNZ WATER SYSTEM	B	Group B	LINCOLN	Well(s)	Permanent	No*	
5403	LAKEVIEW HEIGHTS WATER SYSTEM	B	Group B	LINCOLN	Well(s)	Permanent	No*	
5694	LAKE ROOSEVELT HIDEAWAY	B	Group B	LINCOLN	Well(s)	Permanent	No*	
6538	BROUGHER RANCH II	B	Group B	LINCOLN	Well(s)	Permanent	No*	
6719	PORCUPINE BAY ESTATES	B	Group B	LINCOLN	Well(s)	Permanent	No*	
6998	TRANQUIL ESTATES	B	Group B	LINCOLN	Well(s)	Permanent	No*	
7007	LIVINGSTON, GEORGE WATER SYSTEM	B	Group B	LINCOLN	Well(s)	Permanent	No*	
7944	FDR ESTATES #5	B	Group B	LINCOLN	Well(s)	Permanent	No*	
7961	FDR ESTATES #6	B	Group B	LINCOLN	Well(s)	Permanent	No*	
8271	BROUGHER RANCH III	B	Group B	LINCOLN	Well(s)	Permanent	No*	
8340	CAMPBELL BAY FARMS	B	Group B	LINCOLN	Well(s)	Permanent	No*	
24292	LONG LAKE OPERATORS VILLAGE	B	Group B	LINCOLN	Well(s)	Permanent	No*	
38625	SQUAW CANYON PLAT III	B	Group B	LINCOLN	Well(s)	Permanent	No*	
51131	TARBERT WATER SYSTEM	B	Group B	LINCOLN	Well(s)	Permanent	No*	
56364	ROCKY TOP ESTATES	B	Group B	LINCOLN	Well(s)	Permanent	No*	
AA087	CHAR-DONNIE	B	Group B	LINCOLN	Well(s)	Permanent	No*	
AA292	WIND WALKER	B	Group B	LINCOLN	Well(s)	Permanent	No*	

Water System ID	System Name	Group	System Type	County	Source Type	Use	DOH Monitoring Data Reviewed for Groundwater Exposure Memorandum	Summary of DOH Data Review
AA482	ROOSEVELT VIEWS SUBDIVISION	B	Group B	LINCOLN	Well(s)	Permanent	No*	
AB219	Lakeview Catering	B	Group B	LINCOLN	Well(s)	Permanent	No*	
AB341	Pavlov Water System	B	Group B	LINCOLN	Well(s)	Permanent	No*	
NP190	DETILLION CAMPGROUND	B	Group B	LINCOLN	Well(s)	Permanent	No*	
6012	KENT WATER SYSTEM	B	Group B	FERRY	Well(s)	Permanent	No*	
8014	BOYDS TAVERN	B	Group B	FERRY	Well(s)	Permanent	No*	
34014	ANDERSON K. R. LOTS	B	Group B	FERRY	Well(s)	Permanent	No*	
34017	FREDRICKSON SHORT PLAT	B	Group B	FERRY	Well(s)	Permanent	No*	
38951	COLUMBIA RIVER WATER ASSOCIATION	B	Group B	FERRY	Well(s)	Permanent	No*	
AA644	R GARDEN INTERNATIONAL	B	Group B	FERRY	Well(s)	Permanent and Emergency	No*	
AB500	AOY Cascade	B	Group B	FERRY	Well(s)	Permanent	No*	

Sources: Washington Dept. of Health (WDOH) 2006 and WDOH 2017 (https://fortress.wa.gov/doh/eh/portal/odw/si/FindWaterSystem aspx)

Note: System Name and Use entries are shown as provided by DOH (https://fortress.wa.gov/doh/eh/portal/odw/si/FindWaterSystem.aspx).
Emergency = Any source that is approved by the department for emergency purposes only, is not used for routine or seasonal water demands, is physically disconnected, and is identified in the purveyor's emergency response
Seasonal = A public water system source used on a regular basis, that is not a permanent or emergency source.
Permanent = A public water system supply source that is used regularly each year, and based on expected operational requirements of the system, will be used more than three consecutive months in any twelve-month period.
Public water systems are defined as all systems serving more than one single-family residence or more than five residences on the same farm, and are classified as either Group A or Group B depending on the number of people served and the number of residential connections
* System is located outside of upland and/or near-river areas thought to be impacted by Teck smelter releases

Appendix 11: Approach Used to Adjust Soil and Sediment Arsenic and Lead Concentrations Based on Relative Bioavailability

Note: Table 1 in the following memorandum, dated 9/20/17, contained an errata based on a misclassification of one DU. The following table is corrected and utilized in the UCR Site-wide HHRA.

Table 1. Summary Statistics for DU RBAs (Excluding Beaches)

	N	Mean	SD	SE	SD/Mean
Lead RBA %					
Outside 2014 Boundary	32~~31~~	50.5~~50.9~~	13.6	2.4	0.27
Inside 2014 Boundary	107	63.9	7.6	0.7	0.12
Arsenic RBA %					
Outside 2014 Boundary	32~~31~~	16.4~~16.3~~	6.6~~6.7~~	1.2	0.41
Inside 2014 Boundary	107	27.6	7.4	0.7	0.27

Memorandum

To: Monica Tonel and Marc Stifelman, EPA Region 10

Cc: David Charters, EPA ERT

From: Gary Diamond, Mark Follansbee, Bill Thayer, and Julie Rothrock

Date: September 20, 2017

Re: Approach that will be used to adjust soil arsenic and lead concentrations in residential soils based on relative bioavailability (RBA) in the Upper Columbia River (UCR) Human Health Risk Assessment (HHRA)

The Residential Soil Study sampled residential soils in 2014 and 2016 (Figures 1 and 2). The study included measurements of soil arsenic and lead concentrations in each Decision Unit (DU) and measurement of arsenic and lead in vitro bioaccessibility (IVBA) from soil in a subset of DUs (SRC 2014, Ramboll Environ 2016). The IVBA measurements will be used to calculate RBA-adjusted soil concentrations for DUs included in the study. This memorandum describes how the IVBA data collected in 2014 and 2016 will be used to adjust the lead and arsenic soil concentrations for RBA, as discussed during the meeting in Spokane on May 11, 2017. RBA-adjusted lead and arsenic concentrations for properties that were sampled in 2014 were provided to landowners in 2015 (U.S. EPA 2015). This memorandum briefly describes how the IVBA data were used to adjust the 2014 arsenic and lead concentrations as well.

RBA Adjustments of Arsenic and Lead Concentrations of Residential Soils Collected in 2014

For each DU with IVBA data, an RBA-adjusted soil lead concentration was calculated using the following equations (U.S. EPA 2006, 2009):

$$RBA = (0.878 \times IVBA - 0.028) \quad \text{Equation 1}$$

$$\text{RBA-adjusted Pb concentration} = RBA/0.6 \times \text{measured Pb concentration} \quad \text{Equation 2}$$

where IVBA is in decimal format (i.e., not as a percentage), 0.6 is the default soil RBA in the Integrated Exposure Uptake Biokinetic (IEUBK) Model for Lead in Children (0.6 = 0.3/0.5), and the measured Pb concentration is based on the IC soil sample result (or average, if replicate IC samples were collected).

Soil lead concentrations measured in DUs without IVBA data were adjusted using one of two RBAs, depending on whether the DU was a beach (CM2M Hill 2016). RBAs for beaches were estimated using Equation 1 with the average IVBA for all beach DUs. RBAs for all other types of DUs were estimated using Equation 1 with the average IVBA for all DUs except beaches.

Arsenic concentrations collected from residential soils in 2014 were adjusted for RBA using the national default value of 60% for soil arsenic (Equation 3; U.S. EPA 2012), as EPA had not completed validation of a method for predicting arsenic RBA from arsenic IVBA at the time the Residential Soil Study results for 2014 were provided to property owners.

$$\text{RBA-adjusted As concentration} = 0.6 \times \text{measured As concentration} \quad \text{Equation 3}$$

Where the measured As concentration is based on the IC soil sample result (or average, if replicate IC samples were collected).

RBA Adjustments of Arsenic and Lead Concentrations of Residential Soils Collected in 2014 and 2016

The RBA means for DUs sampled in 2016 are significantly lower for both lead and arsenic than the means for DUs sampled in 2014 (t-test, $p<0.001$). The mean difference between the 2014 and 2016 arsenic RBA was 11.6 (95% CI: 9, 14); and the mean difference in lead RBA was 12.6 (8, 17).

Several factors may have contributed to the differences in the RBA means from the 2014 and 2016 sampling events, including chemical form of arsenic or lead in the soil as well as physical chemical characteristics of arsenic- or lead-bearing soil particles in soils. Given that the above factors may have contributed to spatial variability in RBA, and given that the 2016 samples were collected, in general, further south than the 2014 samples, RBA adjustments of soil arsenic and lead concentrations will be based on the RBAs estimated for soils within or outside of the 2014 soil study boundary (Figures 1 and 2). The following approach will be used to adjust arsenic and lead concentrations for RBA:

Lead:

- For each non-beach DU in which lead IVBA was measured: Assign RBA calculated from Equation 1. Calculate the RBA-adjusted soil concentration using Equation 2.
- For each non-beach DU within the 2014 study boundary and in which lead IVBA was not measured: Using the average of the IVBA data for all non-beach DUs located within the 2014 boundary, calculate the RBA for the DU using Equation 1. Calculate RBA-adjusted soil concentration using Equation 2.
- For each non-beach DU located outside the 2014 study boundary and in which lead IVBA was not measured: Using the average of the IVBA data for all non-beach DUs located outside the 2014 boundary, calculate the RBA for the DU using Equation 1. Calculate RBA-adjusted soil concentration using Equation 2.
- For each beach DU in which lead IVBA was measured: Assign RBA calculated from Equation 1. Calculate adjusted soil concentration using Equation 2.
- For each beach DU located within the 2014 study boundary and in which lead IVBA was not measured: Using the average of the IVBA data for all beach DUs located within the 2014 boundary[1], calculate the RBA for the DU using Equation 1. Calculate RBA-adjusted soil concentration using Equation 2.
- For each beach DU located outside the 2014 study boundary and in which lead IVBA was not measured: Using the average of the IVBA data for all beach DUs located outside the 2014

[1] As described in SRC (2017), this includes 7 beaches sampled between 2009-2011 (Integral, 2014) as well as beach DUs that were sampled as part of the 2014 and 2016 Residential Soil Studies (CH2M Hill, 2016; Ramboll Environ, 2017). Four of the 7 beaches sampled between 2009-2011 are located within the 2014 residential soil study boundary; IVBA data for the four beaches were included in the data that were used to estimate the average IVBA for beaches located within the 2014 residential soil study boundary. Three of the 7 beaches sampled between 2009-2011 are located outside the 2014 residential soil study boundary; IVBA data for the three beaches were included in the data that were used to estimate the average IVBA for beaches located outside the 2014 residential soil study boundary. Two of these 7 beaches (Flat Creek and Swimming Hole) were reanalyzed in 2013 for IVBA of the <250µm fraction; those data are used in place of the values from the 2009-2011 analysis.

boundary[1], calculate the RBA for the DU using Equation 1. Calculate RBA-adjusted soil concentration using Equation 2.

Arsenic:

EPA recently validated a method for using IVBA to predict RBA of arsenic in soil (U.S. EPA 2017). Soil arsenic concentrations will be adjusted for RBA using the following equations:

$$RBA = (0.79 \times IVBA + 0.03) \quad \text{Equation 4}$$

where IVBA is in decimal format (i.e., not as a percentage)

$$\text{RBA-adjusted As concentration} = RBA \times \text{measured As concentration} \quad \text{Equation 5}$$

the measured As concentration is based on the IC soil sample result (or average, if replicate IC samples were collected).

The same approach described above for lead will be used to adjust arsenic soil concentrations for RBA:

- For each non-beach DU in which arsenic IVBA was measured: Assign RBA calculated from Equation 4. Calculate the RBA-adjusted soil concentration using Equation 5.
- For each non-beach DU within the 2014 study boundary and in which arsenic IVBA was not measured: Using the average of the IVBA data for all non-beach DUs located within the 2014 boundary, calculate the RBA for the DU using Equation 4. Calculate RBA-adjusted soil concentration using Equation 5.
- For each non-beach DU located outside the 2014 study boundary and in which arsenic IVBA was not measured: Using the average of the IVBA data for all non-beach DUs located outside the 2014 boundary, calculate the RBA for the DU using Equation 4. Calculate RBA-adjusted soil concentration using Equation 5.
- For each beach DU in which arsenic IVBA was measured: Assign RBA calculated from Equation 4. Calculate adjusted soil concentration using Equation 5.
- For each beach DU located within the 2014 study boundary and in which arsenic IVBA was not measured: Using the average of the IVBA data for all beach DUs located within the 2014 boundary[1], calculate the RBA for the DU using Equation 4. Calculate RBA-adjusted soil concentration using Equation 5.
- For each beach DU located outside the 2014 study boundary and in which arsenic IVBA was not measured: Using the average of the IVBA data for all beach DUs located outside the 2014 boundary[1], calculate the RBA for the DU using Equation 4. Calculate RBA-adjusted soil concentration using Equation 5.

The mean RBAs for arsenic and lead that will be applied to the soils not evaluated for IVBA are presented in Tables 1 and 2. The approach for adjusting arsenic and lead concentrations for DUs that were not evaluated for IVBA requires the DU to be categorized as to being located within or outside the 2014 residential soil study area and assigned the corresponding RBA mean from Table 1 (non-beach DUs) or Table 2 (beach DUs). Two of these 7 beaches were included in the beach reanalysis effort; those data are used in place of the 2009-2011 calculated results.

Table 1. Summary Statistics for DU RBAs (Excluding Beaches)

	N	Mean	SD	SE	SD/Mean
Lead RBA %					
Outside 2014 Boundary	31	50.9	13.6	2.4	0.27
Inside 2014 Boundary	107	63.9	7.6	0.7	0.12
Arsenic RBA %					
Outside 2014 Boundary	31	16.3	6.7	1.2	0.41
Inside 2014 Boundary	107	27.6	7.4	0.7	0.27

Table 2. Summary Statistics for Beach DU RBAs (SRC, 2017)

	N	Mean	SD	SE	SD/Mean
Lead RBA %					
Outside 2014 Boundary	5	50.2	9.7	4.3	0.19
Inside 2014 Boundary	18	56.8	5.8	1.4	0.10
Arsenic RBA %					
Outside 2014 Boundary	5	21.2	6.2	2.8	0.29
Inside 2014 Boundary	18	30.0	5.1	1.2	0.17

References

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U.S. EPA. 2009. Validation Assessment of In Vitro Arsenic Bioaccessibility Assay for Predicting Relative Bioavailability of Lead in Soils and Soil-like Materials at Superfund Sites. OSWER 9300.3-51 June, 2009.

U.S. EPA. 2015. Letters from EPA to landowners who participated in the 2014 UCR residential soil sampling program. U.S. Environmental Protection Agency, Region 10. Richland, Washington.

U.S. EPA. 2017. Validation Assessment of In Vitro Arsenic Bioaccessibility Assay for Predicting Relative Bioavailability of Arsenic in Soils and Soil-like Materials at Superfund Sites. OLEM 9355.4-29 April 20, 2017.

Figure 1. Location of 2014 Residential Soil DUs Sampled for Lead and Arsenic IVBA

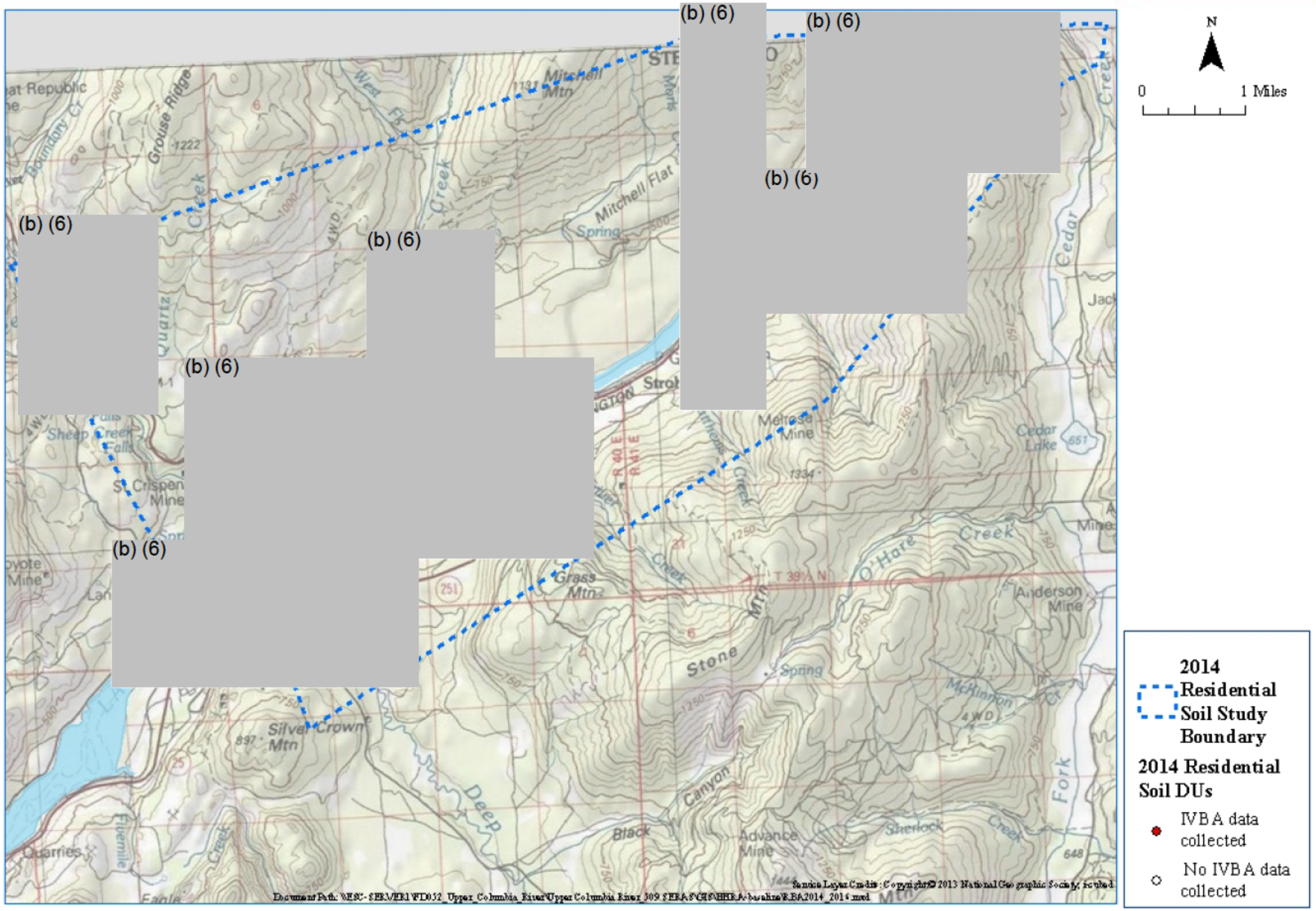
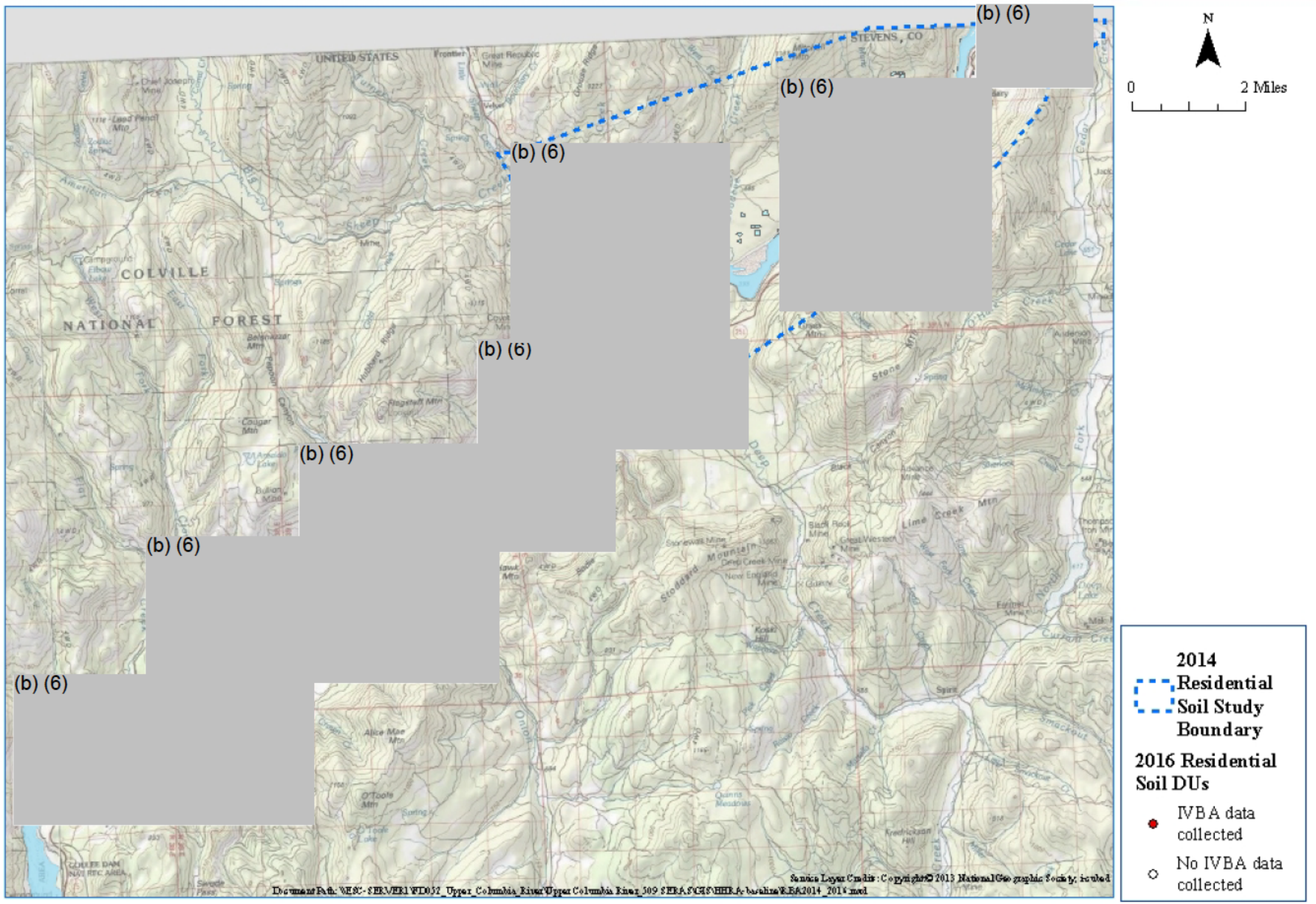


Figure 2. Location of 2016 Residential Soil DUs Sampled for Lead and Arsenic IVBA



Appendix 12. Estimation of Exposure Point Concentrations (EPCs) at the Upper Columbia River (UCR) Site from Single Incremental Composite Samples (ICS)

Memorandum

TO: David Charters, EPA, ERT

CC: Robert Tan, Marc Stifelman, and Monica Tonel, EPA Region 10

FROM: Gary Diamond, Mark Follansbee, Rebekha Shaw, Julie Rothrock, Bill Thayer and Karen Kracko

DATE: 08/05/19

RE: Estimation of Exposure Point Concentrations (EPCs) at the Upper Columbia River (UCR) site from Single Incremental Composite Samples (ICS)

In a previous memorandum dated July 17, 2019 (Attachment A), a method was proposed for estimating exposure point concentrations (EPCs) from a single incremental composite sample (ICS) when ≥3 ICS composite samples were not available for estimating the 95% upper confidence limit on the mean (95UCL). The July 17 memorandum provided a statistical rationale for deriving a confidence factor (CF) to be applied to the soil concentration measured in the single ICS composite sample. The CF was based on the 95UCL/mean ratio estimated for decision units (DUs) with 3 composite samples. The 95th percentile of 95UCL/mean ratio was selected as the CF to ensure that the probability of a false negative error was ≤5% (i.e., concluding that the population mean at the DU is below a level of concern when it actually equals or exceeds the level of concern). This report describes the approach used to derive a value for the CF that was used at the Upper Columbia River (UCR) site.

Central to application of the CF method is the requirement to derive a robust estimate of a CF that can be applied broadly across DUs and, preferably, across contaminants. This was accomplished at the UCR site by examining estimates of the 95th percentile of the 95UCL/mean ratio derived from various groupings of DU types. Table 1 presents the results for two groupings: (1) all residential soil DUs and; (2) all DUs (e.g., residential soils, beaches, upland soils). CFs based on the residential soils provide the strongest basis for the CF because this group comprises the largest set of observations (n=259) which were obtained by application of a uniform sampling methodology (depth, ICS plan, sieving). The "all DU" grouping includes a variety of DU types (soils, beaches, relict floodplains) for which numbers of DUs of each type (with the exception of residential soils) were too small to reliably estimate a CF (<20 DUs). The various DU types are likely to have been impacted by different sources of contamination (e.g., aerial deposition, deposition of sediments) which could contribute to different degrees of spatial heterogeneity. The resulting CFs were nearly identical for the two DU groupings. The mean CF was 1.2 for both DU groupings and the mean relative percent difference (RPD) was negligible for individual metals (1.4%; range: -0.1 - 5.3%).

Based this analysis, a CF value of 1.2 was selected for calculating the EPC for DUs at which a single ICS composite sample was available. This CF was applied to all contaminant of potential concern (COPC) metals. EPC was calculated as follows:

$$\text{EPC} = \text{concentration in single ICS composite sample} \times 1.2$$

Table 1.

Analyte	P95 of 95UCL/mean				
	Residential Soil DUs		All DUs		
	N	P95	N	P95	RPD
Aluminum	259	1.09	292	1.11	1.17
Antimony	259	1.31	296	1.38	5.31
Arsenic	259	1.21	301	1.25	3.11
Arsenic (RBA-adjusted)	259	1.21	292	1.23	1.16
Cadmium	259	1.29	292	1.29	-0.06
Chromium	259	1.18	301	1.18	0.41
Cobalt	259	1.14	292	1.14	0.54
Iron	259	1.08	300	1.10	1.47
Manganese	259	1.15	292	1.17	1.65
Nickel	259	1.16	276	1.16	0.00
Thallium	259	1.25	292	1.25	0.45
Vanadium	259	1.15	292	1.17	1.89
MEAN		1.19		1.21	1.38
SD		0.073		0.083	1.58
SD/MEAN		0.062		0.069	1.15
MEDIAN		1.18		1.18	1.16
MIN		1.08		1.10	-0.06
MAX		1.31		1.38	5.31

P95 = 95th percentile; RPD = relative percent difference

ATTACHMENT A

Memorandum

To: David Charters, EPA ERT

From: Gary Diamond, Mark Follansbee, Julie Rothrock, Bill Thayer and Karen Kracko

Date: July 17, 2019

Re: Proposed approach to derive an exposure point concentration (EPC) for soil concentrations derived from a single incremental composite sample (ICS) in the Upper Columbia River (UCR) Human Health Risk Assessment (HHRA)

Derivation of an Exposure Point Concentration (EPC) for soil concentrations derived from a single Incremental Composite Sample (ICS)

Adequacy of data from decision units (DUs) sampled with 1 ICS composite: The data quality objective (DQO) established for residential soils was to estimate the EPC for non-lead chemicals of potential concern (COPCs) as the 95% upper confidence limit on the mean (95UCL) of 3 ICS composite samples. It is not possible to satisfy the DQO for DUs that were sampled with 1 composite because the 95UCL cannot be calculated for a single composite sample. Although data for DUs that had 1 composite fail the DQO requirement, the data are still useful for human health risk assessment (HHRA) in that each single composite represents the mean of 30 randomly positioned increments collected from the DU and, therefore, provide an estimate of the DU mean. Since an estimate of confidence in the mean from a single composite cannot be directly calculated, an alternative approach was taken in which the single composite mean was adjusted by multiplying by a confidence factor (CF). The CF was derived from estimates of confidence in the mean for DUs from which 3 ICS composite sample were collected. The CF was based on the 95UCL/mean ratio estimated for DUs with 3 composite samples. This report describes a general procedure for deriving CFs and provides a rationale for using an upper percentile (specifically the 95th percentile) of 95UCL/mean ratio as the basis for the CF. The actual values for the CFs used in the Upper Columbia River HHRA are presented in Appendices to the HHRA.

False negative probability for uncertainty adjustment: In the context of HHRA, a false negative error corresponds to concluding that the true mean concentration (the population mean at the DU) is below a level of concern (risk-based concentration, RBC) when it actually equals or exceeds the RBC. The CF adjustment serves to control the probability of a false negative error (i.e., type 1 error, where the null hypothesis is population mean ≥ RBC).

A false negative error will occur if we conclude that the adjusted mean (i.e., measured concentration from a single composite x CF) is less than the RBC when it is actually greater than or equal to the RBC. The observed standard deviation (SD) of residential soil arsenic concentrations, for example, is approximately 0.61 x the mean (11.8 ppm ± 7.19, n=1139). If it is assumed that soil arsenic concentrations are lognormally distributed, we can expect concentrations obtained from random single composite samples to have a probability distribution similar to that shown in Figure 1 (in the simulation the true mean was assumed to be equal to the RBC, 20 ppm). The mean 95UCL/mean ratio for arsenic in residential soils at DUs where 3 ICS composite samples were obtained is 1.09 (95UCL ratio: 1.08, 1.10; 95th percentile ratio: 1.21; n=219). If the concentration obtained from a single composite sample were to be adjusted with a CF equal to the mean of the 95UCL/mean ratios (adjusted mean = measured mean x 1.09), the probability

of a false negative error can be expected to be 24% (Figure 2). Typically, we would like the false negative error to be ≤5%. This can be achieved for DUs with a single ICS composite sample if the CF is the observed 95th percentile of the 95UCL/mean ratios (adjusted mean = measured mean x 1.21; Figure 3). A false negative error of ≤5% will be satisfied for all COPC metals if the single composite mean is adjusted by the 95th percentile of the 95UCL/mean ratios (Table 1).

Method used to estimate EPC for single composite DUs in the HHRA: If the DU mean was based on a single composite, the mean was adjusted by the 95th percentile of the 95UCL/mean ratios estimated for DUs in which 3 ICS composite samples were used to estimate the DU mean. The 95UCLs for the 3-composite DUs were based on the t statistic for n=3 composites. The values for the 95th percentile of 95UCL/mean ratio were estimated for specific types of DUs (e.g., residential soil DUs, upland soil ADAs, beaches) based on triplicate ICS composite samples for DUs that were considered most similar to the specific DU type.

Table 1. Predicted False Negative Error for Mean Concentration Adjusted with the 95th Percentile of the Ratio 95UCL/Mean

Metal	95th Percentile of 95UCL/Mean Ratio[a]	CV for Concentration (SD/mean)[b]	False Negative Error for DU with Single ICS Composite
Arsenic	1.21	0.61	4.7%
Cobalt	1.14	0.36	2.3%
Iron	1.08	0.23	3.5%
Manganese	1.15	0.38	2.5%
Thallium	1.25	0.50	0.9%

[a]Estimated from residential soil DUs (excluding beaches and drip lines) in which there were 3 composites (N=259).
[b]Estimated from residential soil samples (N=1139)
CV, coefficient of variation

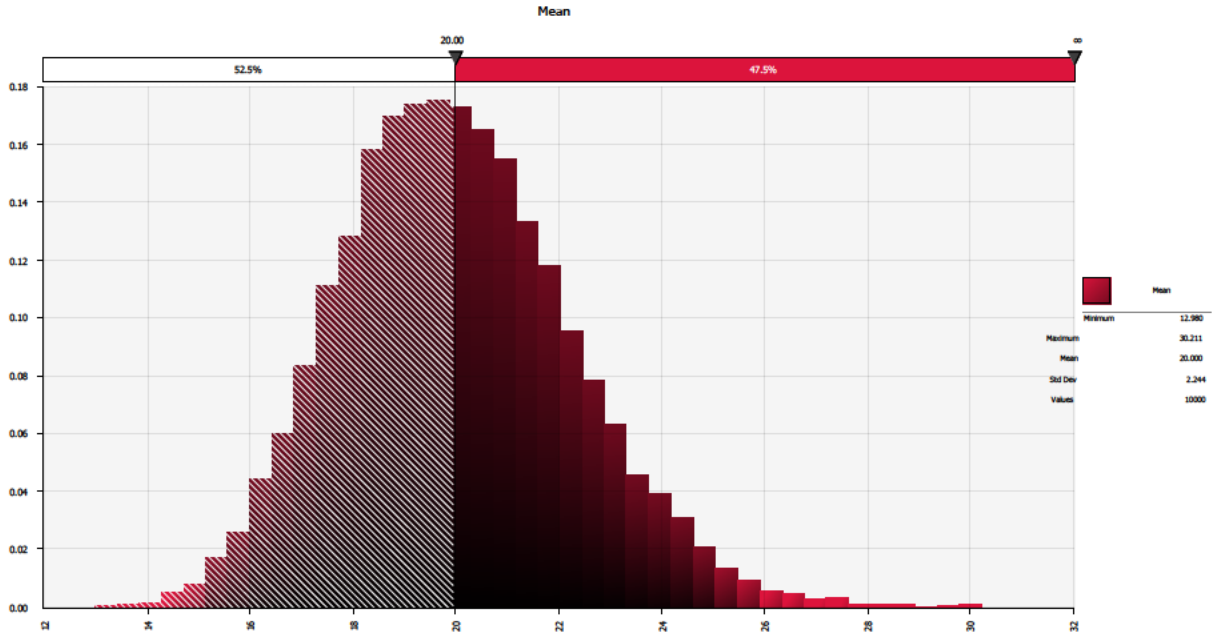


Figure 1. Monte Carlo simulation of arsenic concentrations estimated from a single composite sample consisting of 30 increments. Shown is the probability density for means from 10,000 random composites drawn from a lognormal distribution of arsenic concentration (mean=20, SD=0.61 x mean). Arsenic concentration is shown on the x-axis and probability on the y-axis. If the RBC is 20 (=mean), then approximately half of the single composites are below the RBC (false negative) and half are above the RBC (false positive).

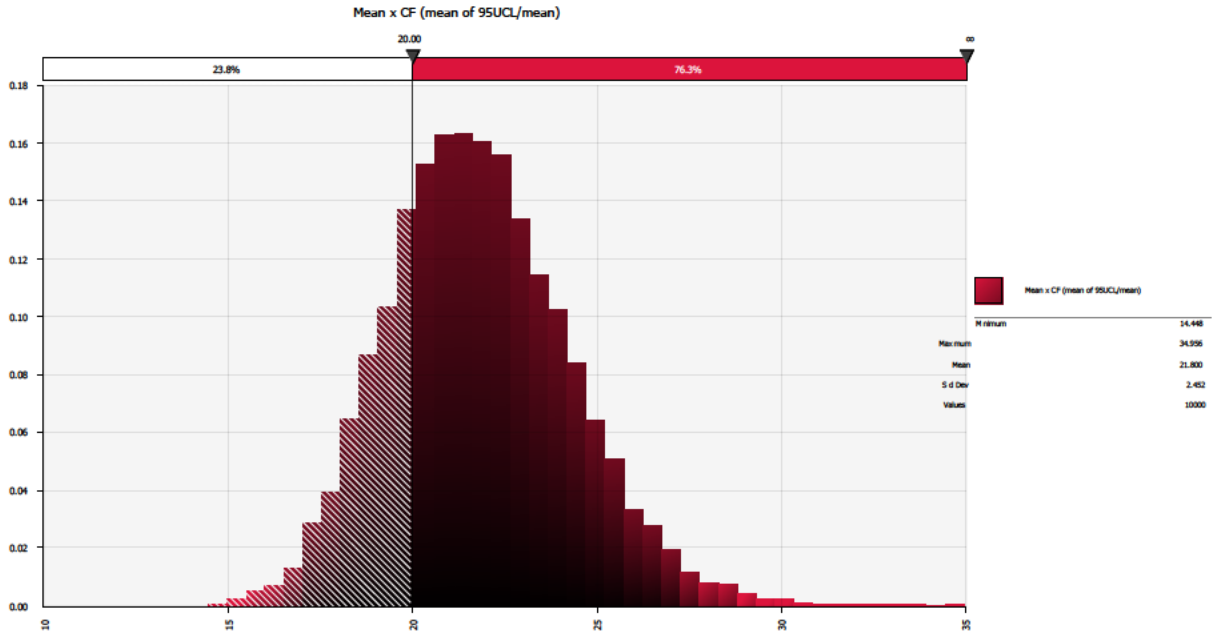


Figure 2. Probability density of CF-adjusted arsenic concentration (mean X CF), when the CF is the mean ratio 95UCL/mean (=1.09) of residential soils DUs where 3 ICS composite samples were collected. Approximately 24% of the single composites are below the RBC (false negative).

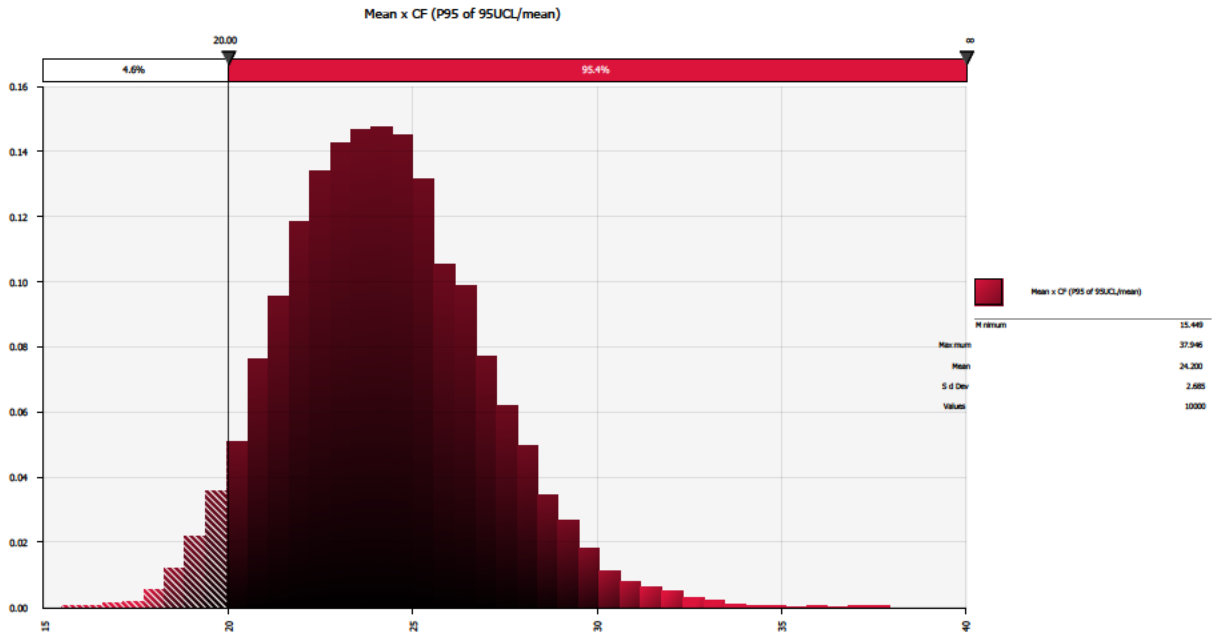


Figure 3. Probability density of uncertainty-adjusted arsenic concentration (mean X CF), when the CF is the 95th percentile ratio 95UCL/mean (=1.21) of residential soils DUs where 3 ICS composite samples were collected. Approximately 4.7% of the single composites are below the RBC (false negative).

Appendix 13. Residential Soil EPCs Used in Lead Residential Beach IEUBK Evaluation

Beach DU	Year Sampled	Adjusted Beach Lead Conc (ppm)	Paired Residential Soil DU ID	Residential Soil for TWA (ppm)	TWA Result Soil/sediment (ppm)
202	2014	194	Average house DU201, DU180-H1, DU180-H2	296.35	267.10
800B	2014	191	Not a house DU, but DU801 on the same property (b) (6) (b) (6)	239.94	225.99
204	2014	119	House DU203 on the property.	12.78	43.03
251B	2014	246	House DU253 on the property.	109.97	148.96
255	2014	266	No other DUs on property, so use avg house DU conc for the study area	129.00	168.12
195	2014	171	Average house DU1021, DU193, DU194	55.26	88.33
131-B1	2014	179	House DU131-H1 on the property.	135.45	147.84
197	2014	317	Average house DU196, DU109-H1, DU203-H1	17.75	103.32
124-B1	2014	182	House DU124-H1 on the property.	35.08	77.16
224	2014	256	No other DUs on property, so use avg house DU conc for the study area	129.00	165.16
324	2014	130	Not house DUs, but DU326 and DU327 on the same property; no house DUs within 1/2 mile.	60.76	80.51
171-B1	2014	80	House DU171-H1 on the property.	233.49	189.76
226	2014	171	Average of house DU226-C and DU40	204.02	194.46
226A	2014	285	House DU226C on the property.	395.27	363.86
303	2014	178	House DU288;(b) (6)	68.16	99.55
075-B1	2016	99	House DU075-H1 on the property.	81.75	86.60
157-B1	2016	158	Average of house DU157-H1 and DU157-H2 on the property.	77.82	100.76
157-B2	2016	167	Average of house DU157-H1 and DU157-H2 on the property.	77.82	103.24
098-B1	2016	75	Closest house DU098-H1 on the property (other house(b) (6) (b) (6)	34.41	46.02
173	2014	271	Not a house DU, but DU172U on the same property.(b) (6) (b) (6)	294.04	287.40
1000	2014	242	House DU70 on the property.	202.62	213.83

Appendix 14. Proposed Approach to Calculate Food Consumption Rates in Children from Adult Consumption Rates in the Upper Columbia River (UCR) Human Health Risk Assessment (HHRA)

Memorandum

To: David Charters, EPA ERT

Cc: Robert Tan, Marc Stifelman, and Monica Tonel, EPA Region 10

From: Gary Diamond, Mark Follansbee, Julie Rothrock, Bill Thayer and Karen Kracko

Date: August 5, 2019

Re: Proposed approach to calculate food consumption rates in children from adult consumption rates in the Upper Columbia River (UCR) Human Health Risk Assessment (HHRA)

Calculation of Food Consumption Rates in Children from Adult Consumption Rates

Food consumption rates for the Confederated Tribes of the Colville Reservation (CCT) exposure scenario in the Upper Columbia River (UCR) Human Health Risk Assessment (HHRA) were derived from a survey of CCT residents (the "Tribal Survey;" Westat, 2012). The survey included a 24-hour dietary recall and a food frequency questionnaire and was intended to yield estimates of consumption for children (ages 0-6 years) and other ages. For most foods, a sufficient number of adult subjects reported eating the food to provide a reliable estimate of adult consumption rates. However, for some foods, the number of children who consumed the food was insufficient for estimating consumption rates for children.

In the HHRA, if a rate of consumption of a specific food could not be estimated for children from the Tribal Survey (or other credible sources), consumption rates for children were calculated from the adult consumption rate using the following equation (Equation 1):

$$CR_{child} = CR_{adult} \cdot \frac{EER_{child}}{EER_{adult}} \qquad \text{Eq. (1)}$$

where CR is the consumption rate (grams [g]/day) for children or adults, and EER is the Estimated Energy Requirement for children and adults. Values for EER were calculated based on regression models for EER reported in IOM (2005). Based on the EERs calculated from IOM (2005), a value of 0.5 was used in Equation 1 to represent the EER_{child}/EER_{adult} ratio. The basis for this child/adult ratio of 0.5 is described below.

Calculation of Estimated Energy Requirement (EER) for children and adults:

Estimates of EER reported in IOM (2005) were based on clinical studies of clearance of doubly labeled water. Measurement of clearance of doubly labeled water provides an estimate of the metabolic production of carbon dioxide, from which estimates of oxygen consumption and energy expenditure can be derived. IOM (2005) reports values for the EER, which is the sum of basal energy expenditure, thermal effect of food (energy expended as a result of consumption of food), and energy expenditures from physical activity, thermal regulation and growth of tissue including pregnancy and production of milk (energy deposition). Doubly labeled water studies are cross-sectional measurements of energy expenditure and, therefore, do not measure energy deposition. Values for energy deposition reported in IOM (2005) were based on estimates of the energy content of protein and adipose added to body mass during growth. Energy deposition varies with age; being highest during infancy 175 kilocalories [kcal]/day at age ≤3 months) and decreasing to 20 kcal/day at age ≥13 months). After cessation of growth, total energy expenditure and EER converge (energy balance).

Values for EER for specific ages were estimated from regression equations reported in IOM (2005) that related EER to body size (body mass and length). The regression equations used to calculate EER within specific age ranges are described below.

EER for ages 1 – 35 months (Equation 2):

$$\mathrm{EER} = (89 \cdot \mathrm{BW} - 100) + \mathrm{ED} \qquad \text{Eq. (2)}$$

where EER is expressed in units of kcal/day, BW is body weight (kilograms [kg]) and ED is energy deposition (kcal/day). Age-range values for ED were as follows:

ED 0–3 months: 175 kcal

ED 4–6 months: 56 kcal

ED 7–12 months: 22 kcal

ED 13–36 months: 20 kcal

EER for ages 3-18 years (Equations 3 and 4):

$$\mathrm{EER(male)} = 88.5 - (61.9 \cdot \mathrm{age}) + \mathrm{PA} \cdot (26.7 \cdot \mathrm{BW} + 903 \cdot \mathrm{HT}) + \mathrm{ED} \qquad \text{Eq. (3)}$$

$$\mathrm{EER(female)} = 135.3 - (30.8 \cdot \mathrm{age}) + \mathrm{PA} \cdot (10.0 \cdot \mathrm{BW} + 934 \cdot \mathrm{HT}) + \mathrm{ED} \qquad \text{Eq. (4)}$$

where age is in years, PA is a physical activity coefficient and HT is body height (meters [m]). Age range values for ED were as follows:

ED ages 3-8 years: 20 kcal/day

ED for ages 9-18 years: 25 kcal/day

Values for PA used in the regression equations were as follows:

PA Level	Males	Females
sedentary	1.00	1.00
low active	1.13	1.16
active	1.26	1.31
very active	1.42	1.56

The bases for physical activity coefficients of children are described in detail in IOM (2005). Physical activity levels in children are approximately equivalent exertion from the following activities:

sedentary: lying awake, sitting

low active: walking at a pace of 2.5 miles/hour for 2 hours

active: walking at a pace of 2.5 miles/hour for 4 hours

very active: walking at a pace of 2.5 miles/hour for 6 hours

EER for ages 19 years and older (Equations 5 and 6):

$$\mathrm{EER(male)} = 662 - (9.53 \cdot \mathrm{age}) + \mathrm{PA} \cdot (15.91 \cdot \mathrm{BW} + 539.6 \cdot \mathrm{HT}) \qquad \text{Eq. (5)}$$

$$\mathrm{EER(female)} = 354 - (6.91 \cdot \mathrm{age}) + \mathrm{PA} \cdot (9.36 \cdot \mathrm{BW} + 726 \cdot \mathrm{HT}) \qquad \text{Eq. (6)}$$

Values for PA used in the adult regression equations were as follows:

PA Level	Males	Females
sedentary	1.00	1.00
low active	1.11	1.12
active	1.25	1.27
very active	1.48	1.45

The bases for physical activity coefficients for adults are described in detail in (IOM, 2005). Physical activity levels in adults are approximately equivalent to exertion from the following activities:

sedentary: physical activities required for independent living

low active: walking 2.2 miles/day at a rate of 3-4 miles/hour

active: walking 7 miles/day at a rate of 3-4 miles/hour

very active: walking 17 miles/day at a rate of 3-4 miles/hour

The above regression equations require values for body height and/or weight. Reference values for body weight and height used in the regression equations are presented in Table 1 (IOM, 2005).

Estimates of energy requirement in children and adults:

Figure 1 shows EERs calculated from regression equations and reference body weights and heights for children and adults. The EERs shown in Figure 1 are the average values for three physical activity categories: low active, active or very active (sedentary was not included in the average). The discontinuities in the age profiles shown in Figure 1 result from three different regression models for subjects in specific age ranges (i.e., 1-35 months, 3-18 years, ≥19 years). Table 2 summarizes EER estimates for adults and children (HHRA age range category 0-6 years) for the four physical activity levels represented in the IOM (2005) regression equations. Child/adult ratios (male female average) for EER ranged from 0.48 (very active) to 0.53 (sedentary). The average for the non-sedentary activity levels was 0.50. This value was selected for use in Equation 1 for calculating food consumption rates for children from adult consumption rates.

References

IOM. 2005. Dietary Reference Intakes for Energy, Carbohydrate, Fiber, Fat, Fatty Acids, Cholesterol, Protein, and Amino Acid (2005). Institute of Medicine. National Academy Press, Washington, DC.

Westat, Inc. 2012. Upper Columbia River Site Remedial Investigation and Feasibility Study. Tribal Consumption and Resource Use Survey. Final Report. Prepared for U.S. Environmental Protection Agency, Region 10 by Westat, Inc.: Rockville, MD. April. http://www.colvilletribes.com/final_report_june_2012_.php

Table 1. Body Weights and Heights Used in Regression Equations for Estimated Energy Requirement

		Males		Females	
Age	**Unit**	**Weight (kg)**	**Height (m)**	**Weight (kg)**	**Height (m)**
1	month	4.4	--	4.2	--
2	month	5.3	--	4.9	--
3	month	6.0	--	5.5	--
4	month	6.7	--	6.1	--
5	month	7.3	--	6.7	--
6	month	7.9	--	7.2	--
7	month	8.4	--	7.7	--
8	month	8.9	--	8.1	--
9	month	9.3	--	8.5	--
10	month	9.7	--	8.9	--
11	month	10.0	--	9.2	--
12	month	10.3	--	9.5	--
15	month	11.1	--	10.3	--
18	month	11.7	--	11.0	--
21	month	12.2	--	11.6	--
24	month	12.7	--	12.1	--
27	month	13.1	--	12.5	--
30	month	13.5	--	13.0	--
33	month	13.9	--	13.4	--
35	month	14.2	--	13.7	--
3	year	13.9	0.94	14.3	0.95
4	year	15.8	1.01	16.2	1.02
5	year	17.9	1.08	18.4	1.09
6	year	20.2	1.15	20.7	1.15
7	year	22.8	1.21	23.1	1.22
8	year	25.6	1.28	25.6	1.28
9	year	29.0	1.33	28.6	1.34
10	year	32.9	1.38	31.9	1.39
11	year	37.2	1.44	35.9	1.44
12	year	41.6	1.51	40.5	1.49
13	year	45.8	1.57	45.6	1.56
14	year	49.4	1.60	51.0	1.64
15	year	52.0	1.62	56.3	1.70
16	year	53.9	1.63	60.9	1.74
17	year	55.1	1.63	64.6	1.75
18	year	56.2	1.63	67.2	1.76
≥19	year	70.0	1.80	60.0	1.50

Based on IOM (2005)

Table 2. Energy Expenditure in Children and Adults

Physical Activity Level	Age Category	Energy Requirement (kcal/day)		
		Male	Female	Male and Female
Sedentary	Child	1084	1014	1049
	Adult	2289	1673	1981
	Child/Adult	0.47	0.61	0.53
Low active	Child	1180	1109	1145
	Adult	2519	1871	2195
	Child/Adult	0.47	0.59	0.52
Active	Child	1275	1199	1237
	Adult	2811	2119	2465
	Child/Adult	0.45	0.57	0.50
Very active	Child	1393	1347	1370
	Adult	3290	2416	2853
	Child/Adult	0.42	0.56	0.48
Mean for low active, active and very active	Child	1283	1218	1251
	Adult	2873	2135	2504
	Child/Adult	0.45	0.57	0.50

Child age range: 0-6 years
Adult age: 48 years (median for Tribal survey)
EER, estimated energy requirement

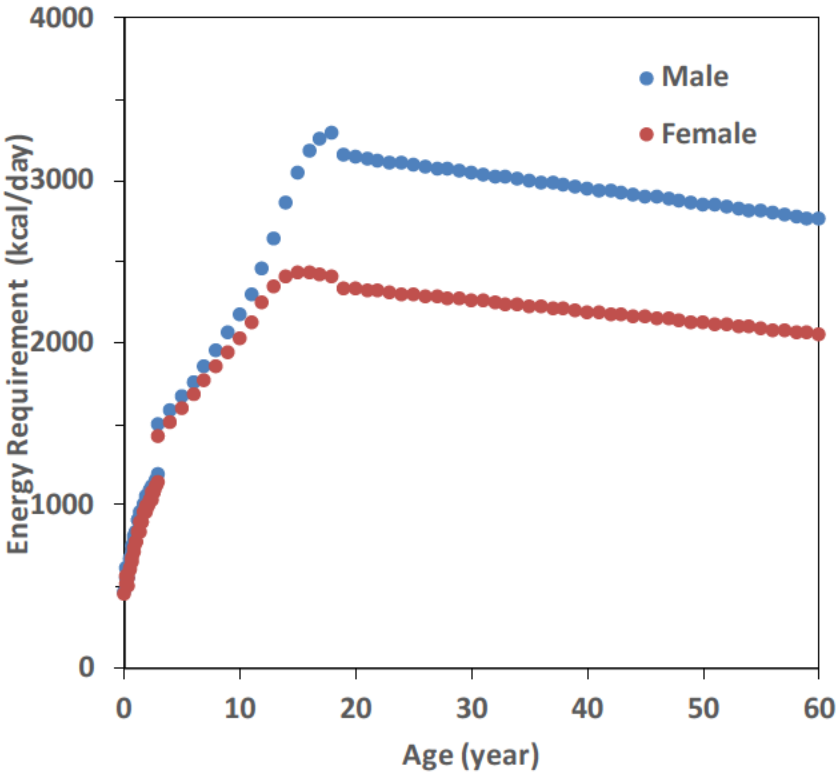


Figure 1. Energy requirement estimated from age-category regression models reported in IOM (2005). Values shown are averages for physical activity categories low active, active and very active.

Appendix 15: All Ages Lead Model Analysis

TO: Monica Tonel, Marc Stifelman, and David Charters (US EPA)

FROM: Gary Diamond and Mark Follansbee (SRC)

DATE: June 5, 2019

RE: Comparison of IEUBK Model (IEUBKM) and All Ages Lead Model (AALM) simulations of blood lead levels (BLLs) resulting from visits to hypothetical public beaches at the UCR site.

The AALM.CSL (v4.3_122118) was used to simulate repeated single day exposures to public beach sediments in combination with a baseline exposure.

The baseline simulation was constructed as age-specific Pb intakes (ug/day) that predicted BLLs similar to the age-year BLLs predicted from the IEUBKM for combined exposures to Pb in air, food, drinking water, and residential soil and dust. Figure 1 compares the AALM and IEUBKM baseline simulations. The Pb intakes used in the AALM were as follows:

Age (year)	Age (day)	Pb Intake (ug/day)
0.0	0	0
0.2	90	9
1	365	10
2	730	8.5
3	1095	8.5
4	1460	10
5	1825	12
6	2190	12
7	2555	11
8	2920	11
9	3285	11
10	3650	11

Beach exposures were simulated as 6 single-day beach visits over a 3-month period, each year. The interval between events was 15 days. The exposure was to beach sediment at the mean RBA-adjusted concentration measured at hypothetical public beaches with high-end concentration of lead in beach sediment (within the range observed at the UCR site). Using higher exposure point concentrations for the beach (relative to the residence) would tend to magnify the difference in BLL predicted by the IEUBKM and AALM for acute exposure scenarios. When the child was not at the beach, the child was assumed to be at the residence; for these comparisons, the residential soil lead concentration was 129 ppm (based on site-specific information). The indoor dust lead concentration was based on the residential soil lead concentration of 129 ppm using the MSA analysis in the IEUBKM (using UCR measured air data), because the residence was assumed to be not located close to the beach. Soil, dust, and sediment ingestion rates were assumed to be the age-year IEUBKM defaults for soil plus dust (IR_{SD}). See SRC 2018 for a complete list of inputs to the IEUBKM.

Figure 2 shows the BLLs predicted from the AALM for combined baseline exposures (air, food, drinking water, and residential and indoor dust) and exposures to beach A sediment during a single 3-month season of beach visits occurring between the first year and second year. The AALM simulates each exposure at the beach as a single-day event. This results in a BLL spike associated with each beach visit, representing uptake of Pb during the exposure followed by the elimination of Pb from blood and a return towards the baseline BLL.

Figure 3 shows BLLs predicted from the AALM for repeated seasons of beach A visits each age year. Overlaid on the AALM simulation are the age-year BLLs predicted from the IEUBKM for the same scenario, along with the average BLL predicted for ages 12 – 72 months. The 12 to 72-month average is the IEUBKM prediction used in the risk assessment for this scenario. The age-year BLLs predicted from the IEUBKM are within the range of the discrete BLL spikes predicted from the AALM. This reflects the time-weighting calculation used in the IEUBKM which adjusts the exposure concentration by for the frequency of beach visits within the season rather than within the year (e.g., the exposure concentration is adjusted by the 1/7, the weekly frequency, rather than by 1/7 x 3/12). This approach ensures that average BLLs are not underestimated for the season by averaging with BLLs out of season (U.S. EPA 2003; Lorenzana et al., 2005). The 12 to 72-month average BLL predicted by the IEUBKM is 1.95 µg/dL. The corresponding average for the same age range predicted by the AALM is 1.87 µg/dL.

Figure 4 shows the corresponding AALM simulation of visits to beach B. The higher sediment concentration at beach B results in larger BLL spikes than beach A. The 12 to 72-month average BLL predicted by the IEUBKM is 2.5 µg/dL. The corresponding average for the same age range predicted by the AALM is 2.12 µg/dL.

Recommendation: Because the difference between the IEUBKM and AALM for these hypothetical public beach exposures is small (the IEUBKM prediction falls within the range of BLLs predicted by the AALM), the IEBUKM results should be included in the risk characterization section of the site-wide baseline HHRA and the information in this memorandum should be included in the uncertainty section of the site-wide baseline HHRA.

REFERENCES

Lorenzana RM; Troast R; Klotzbach JM; Follansbee MH; Diamond GL. (2005) Issues related to time averaging of exposure in modeling risks associated with intermittent exposures to lead. Risk Anal 25(1):169-178.

SRC. 2018. Draft Upland Human Health Risk Assessment: Upper Columbia River (UCR) Site. Prepared for US EPA under contract: EP-W-09-031. November 27, 2018.

U.S. EPA. 2003. Assessing Intermittent or Variable Exposures at Lead Sites. OSWER #9285.7-76.

https://www.epa.gov/superfund/lead-superfund-sites-guidance#leadsites.

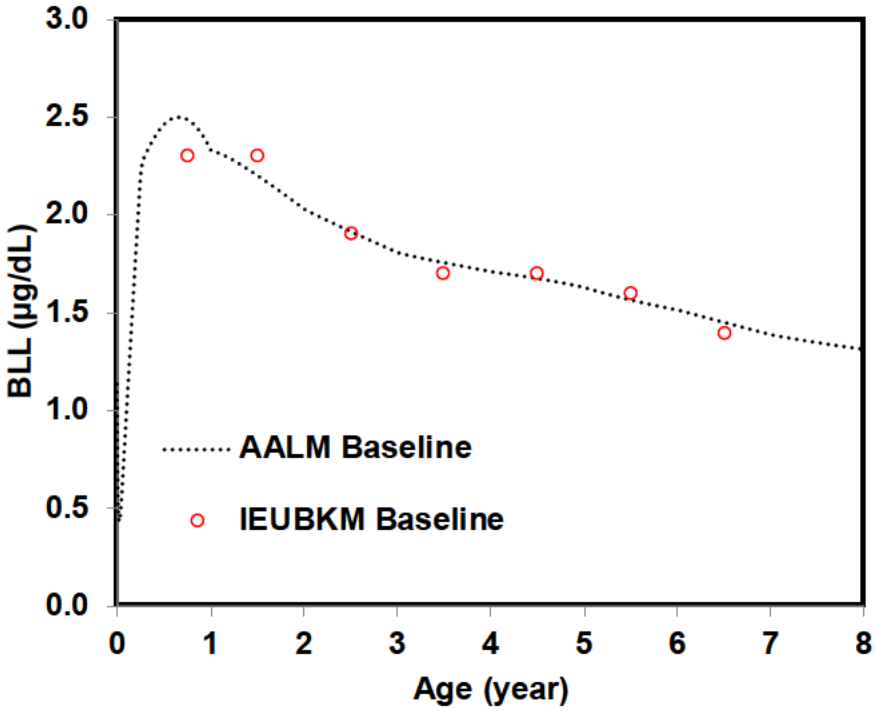


Figure 1. AAALM simulation of baseline BLLs predicted from the IEUBKM.

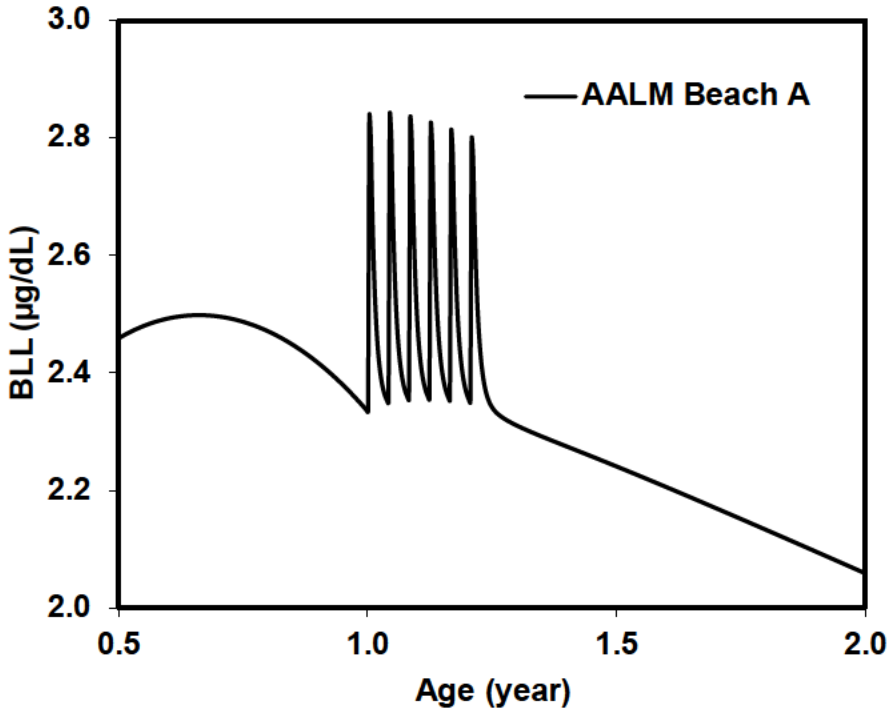


Figure 2. BLLs predicted from the AALM for combined baseline exposures (air, food, drinking water, and residential and indoor dust) and exposures to beach A sediment during a single 3-month season of beach visits.

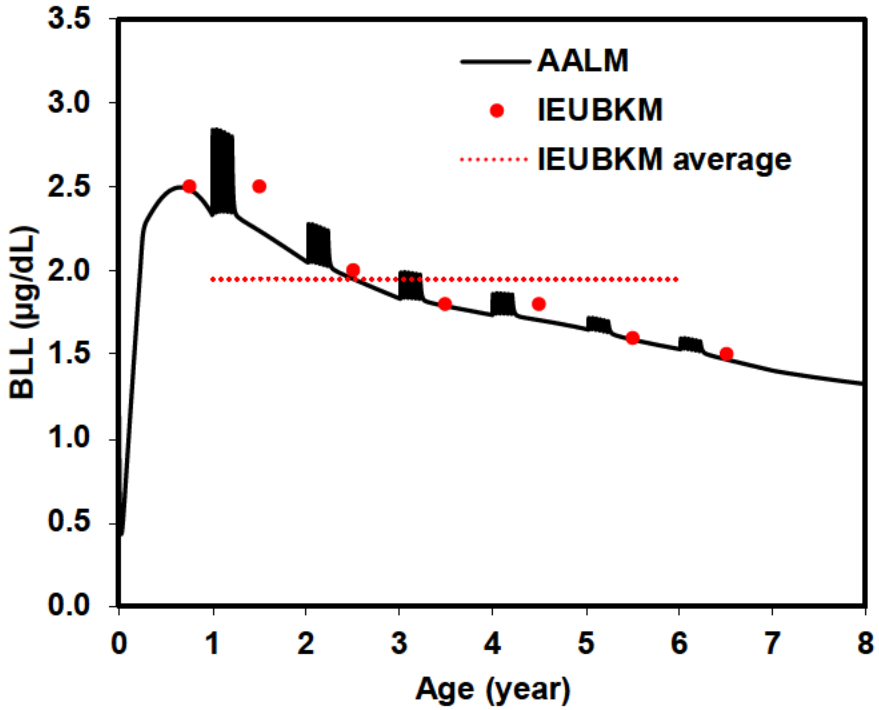


Figure 3. BLLs predicted from the AALM for repeated seasons of beach A visits each age year. Overlaid on the AALM simulation are the age-year BLLs predicted from the IEUBKM for the same scenario, along with the average BLL predicted for ages 12 – 72 months.

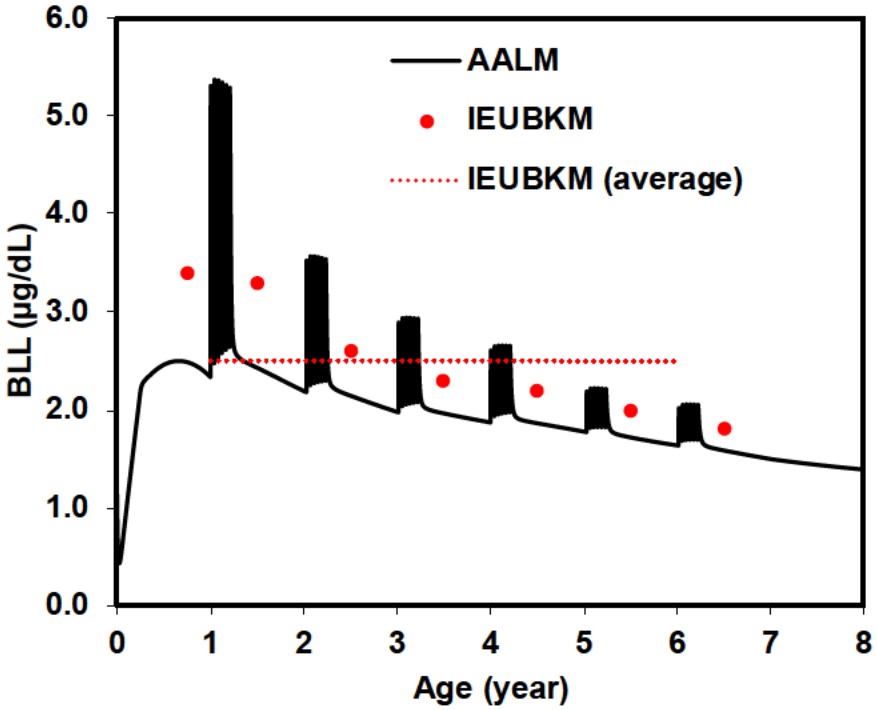
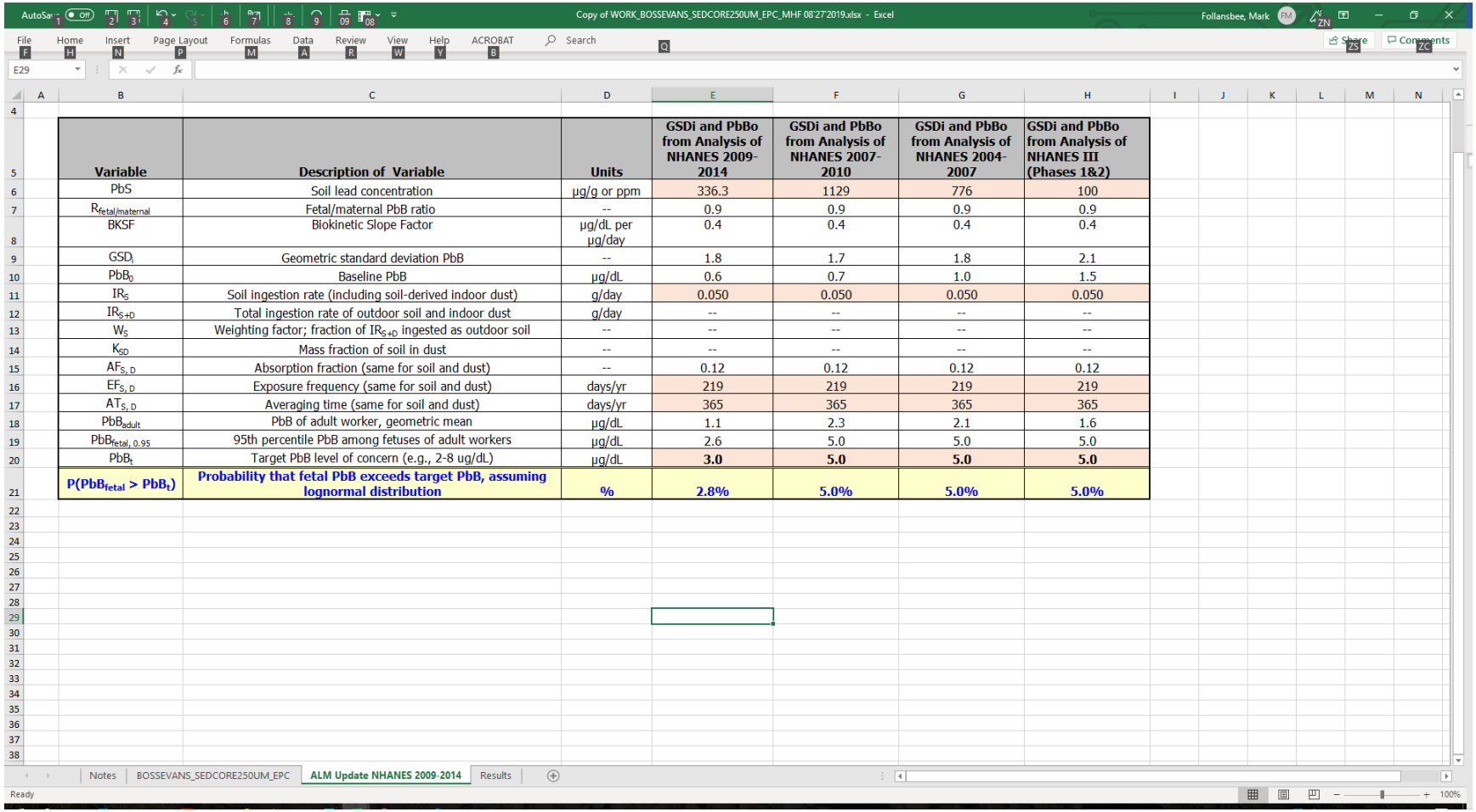


Figure 4. BLLs predicted from the AALM for repeated seasons of beach B visits each age year. Overlaid on the AALM simulation are the age-year BLLs predicted from the IEUBKM for the same scenario, along with the average BLL predicted for ages 12 – 72 months.

APPENDIX 16: RESULTS OF ALM

Bossburg Flat SDU-01



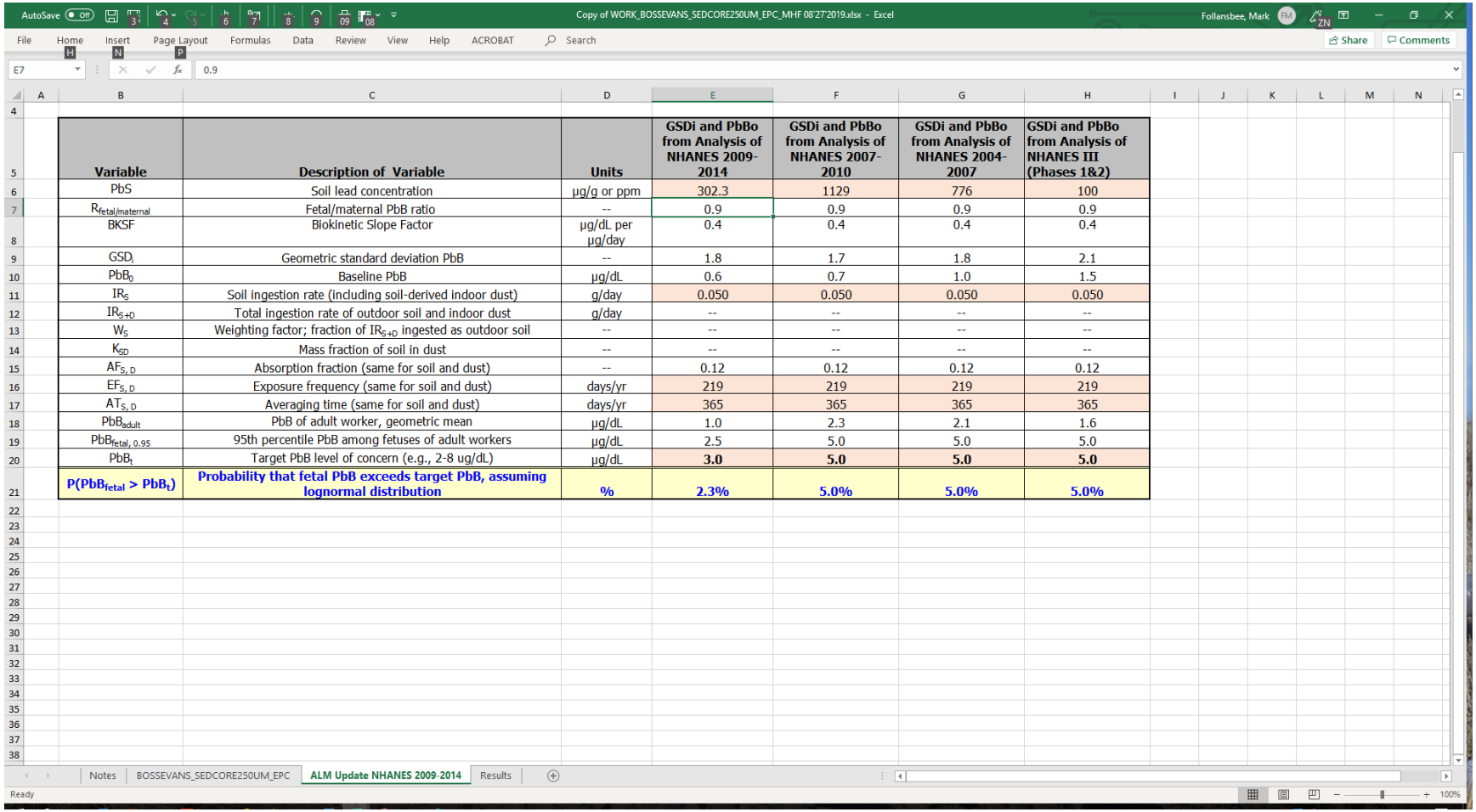
Copy of WORK_BOSSEVANS_SEDCORE250UM_EPC_MHF 08'27'2019.xlsx - Excel

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	336.3	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.1	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.6	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**3.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**2.8%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

Ready

Bossburg Flat SDU-02



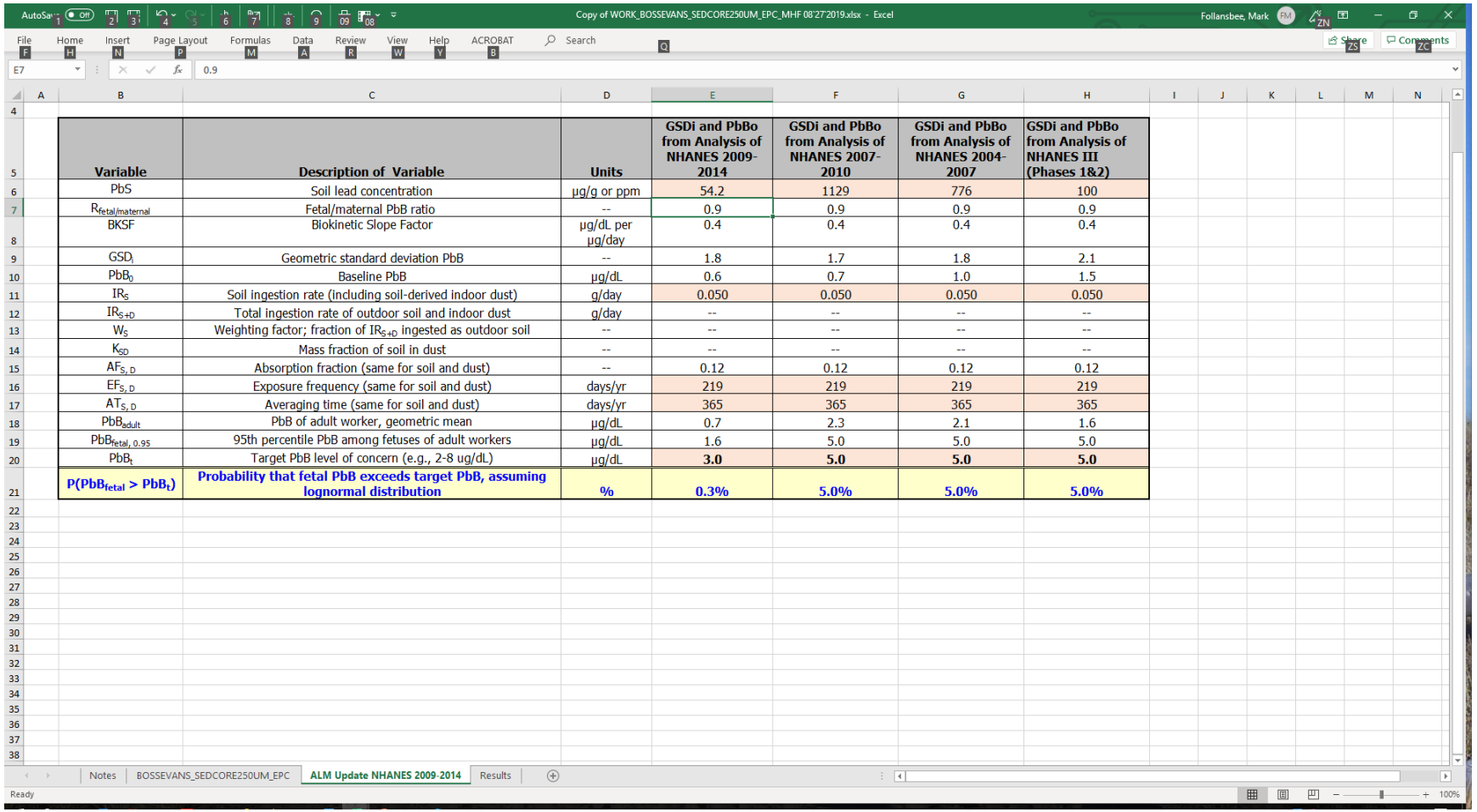
Copy of WORK_BOSSEVANS_SEDCORE250UM_EPC_MHF 08'27'2019.xlsx - Excel

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	302.3	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.0	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.5	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**3.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**2.3%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

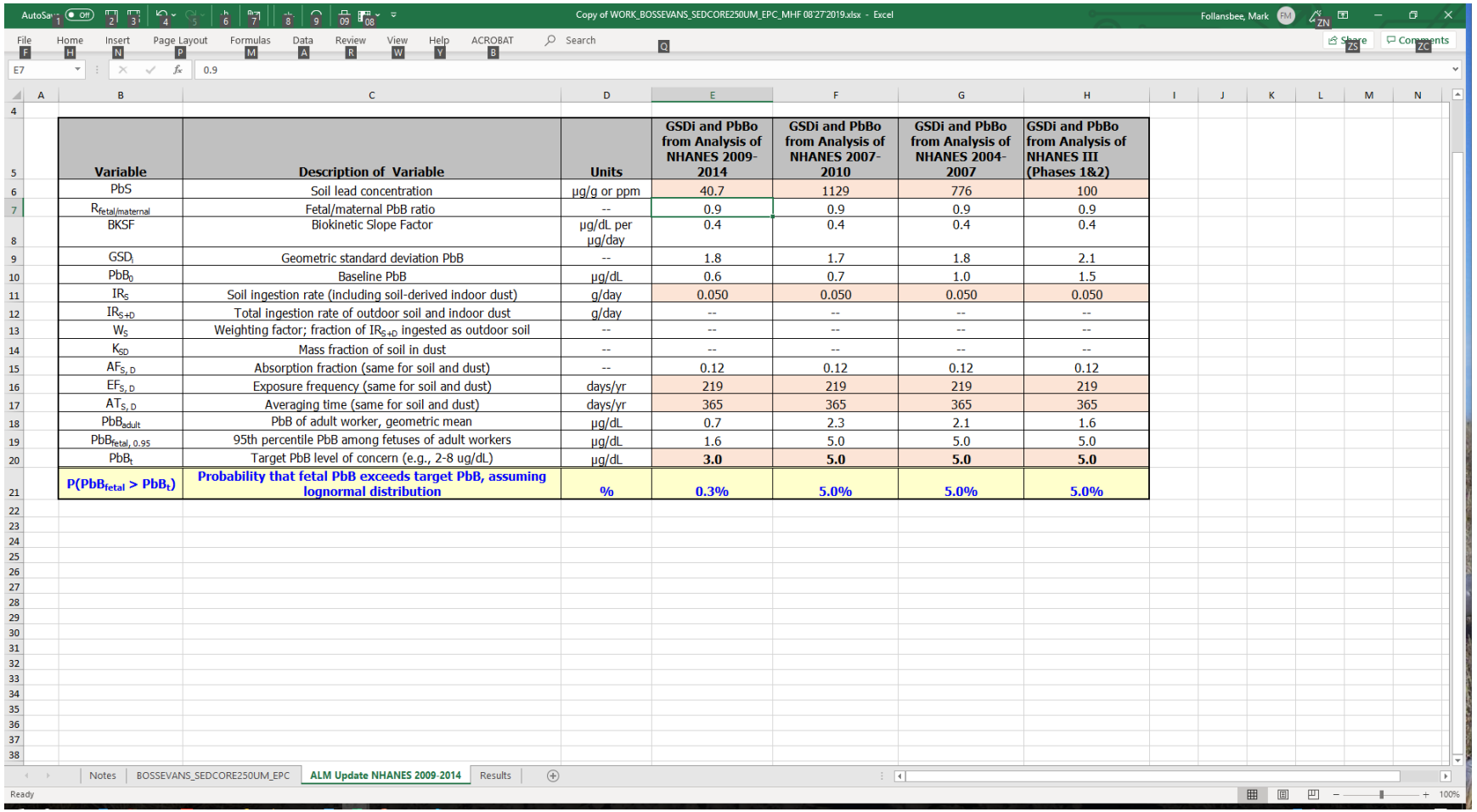
Ready

Bossburg Flat SDU-03



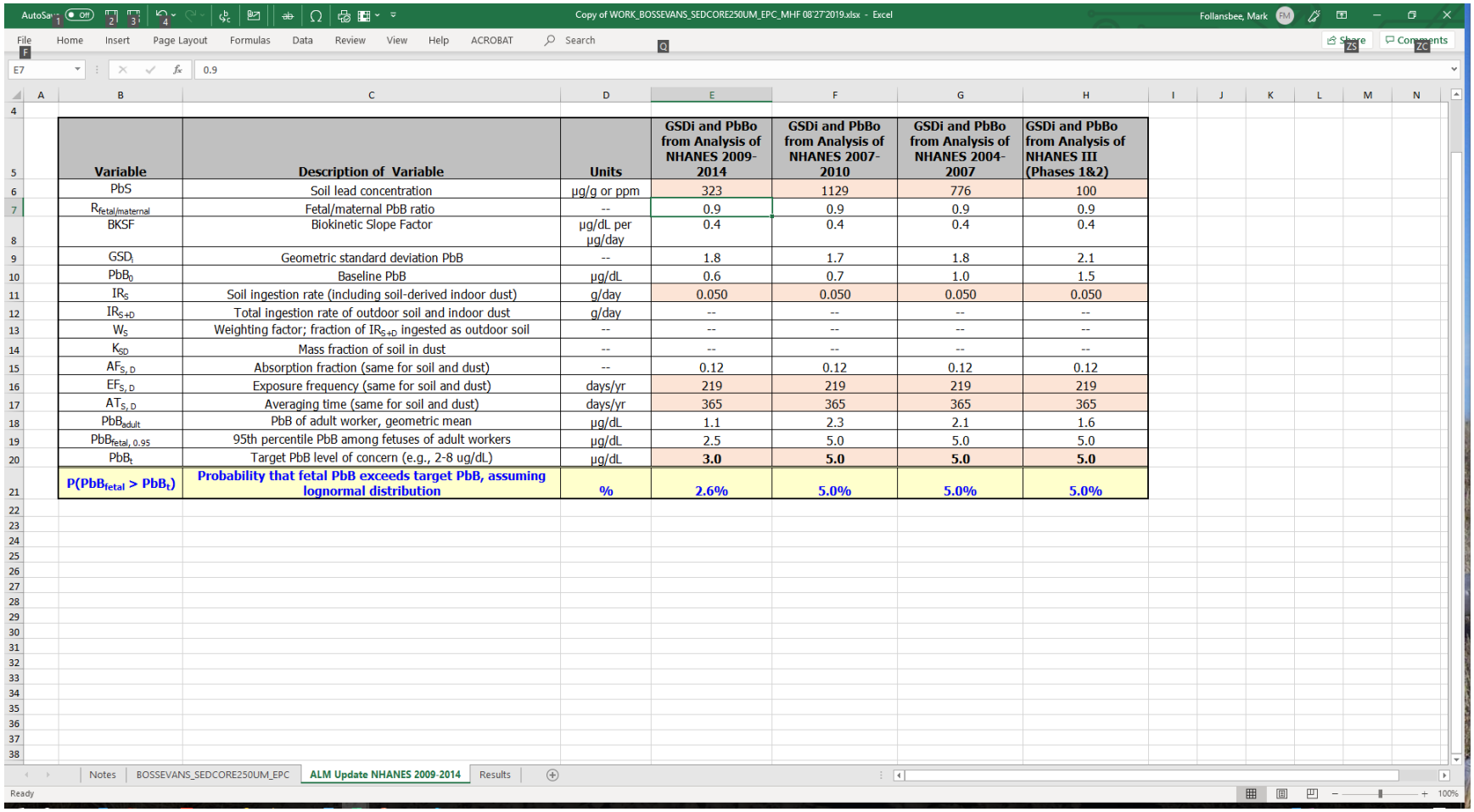
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	54.2	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.7	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.6	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**3.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**0.3%**	**5.0%**	**5.0%**	**5.0%**

Bossburg Flat SDU-04



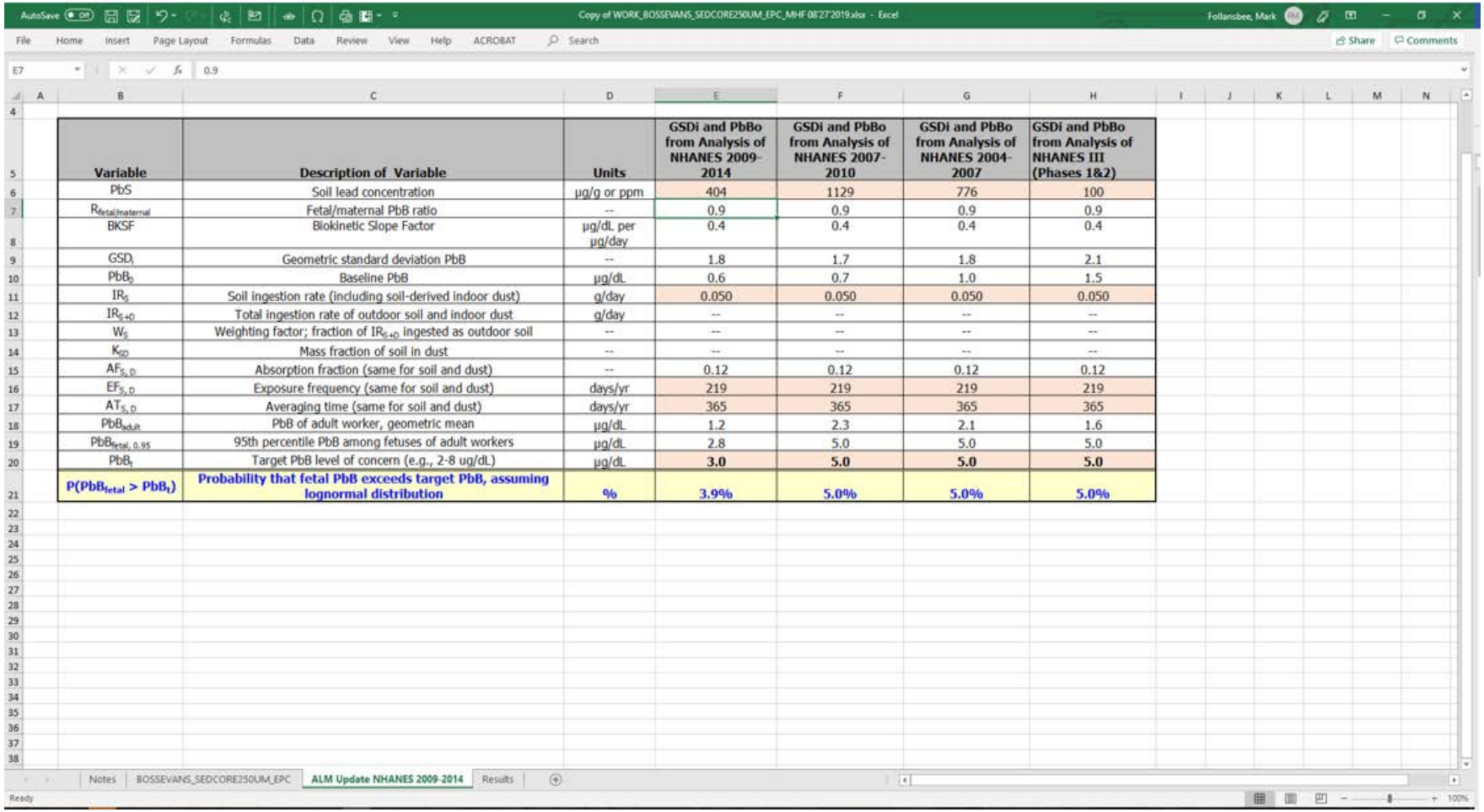
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	40.7	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.7	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.6	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**3.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**0.3%**	**5.0%**	**5.0%**	**5.0%**

Bossburg Flat SDU-08



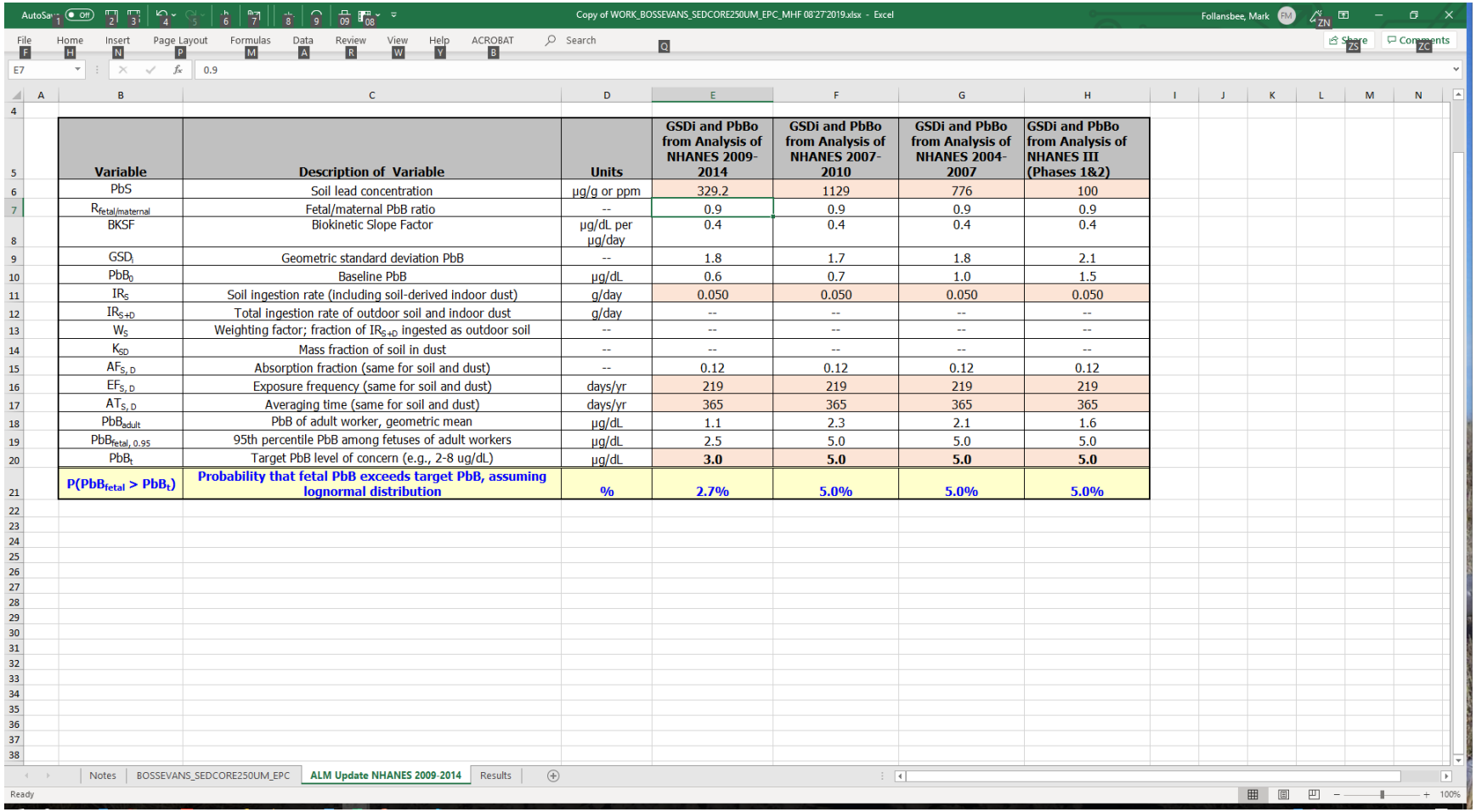
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	323	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.1	2.3	2.1	1.6
$PbB_{fetal,0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.5	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**3.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**2.6%**	**5.0%**	**5.0%**	**5.0%**

Bossburg Flat F-01



Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	404	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.2	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.8	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**3.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**3.9%**	**5.0%**	**5.0%**	**5.0%**

Evans Campground SDU-05



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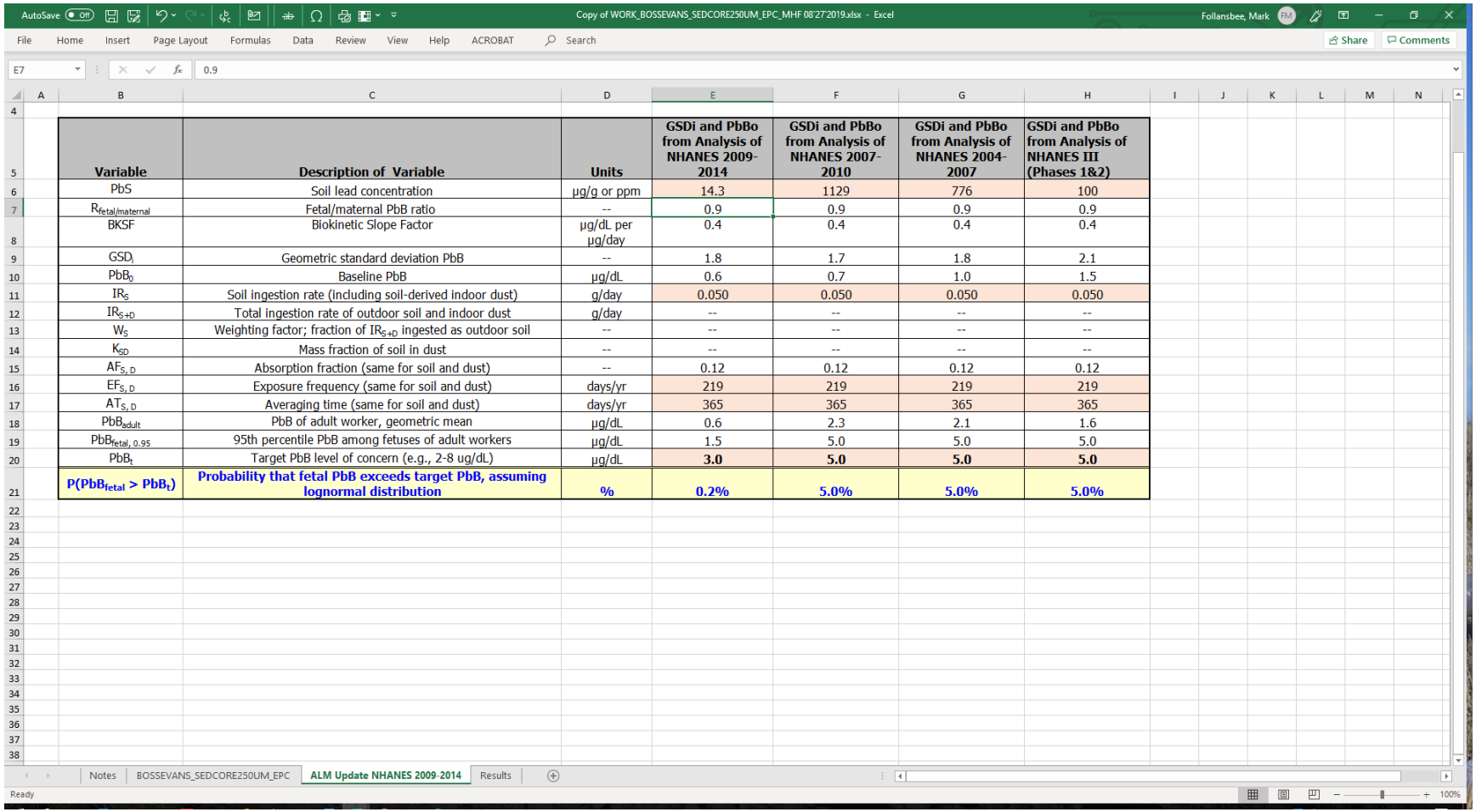
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	329.2	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.1	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.5	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**3.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**2.7%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

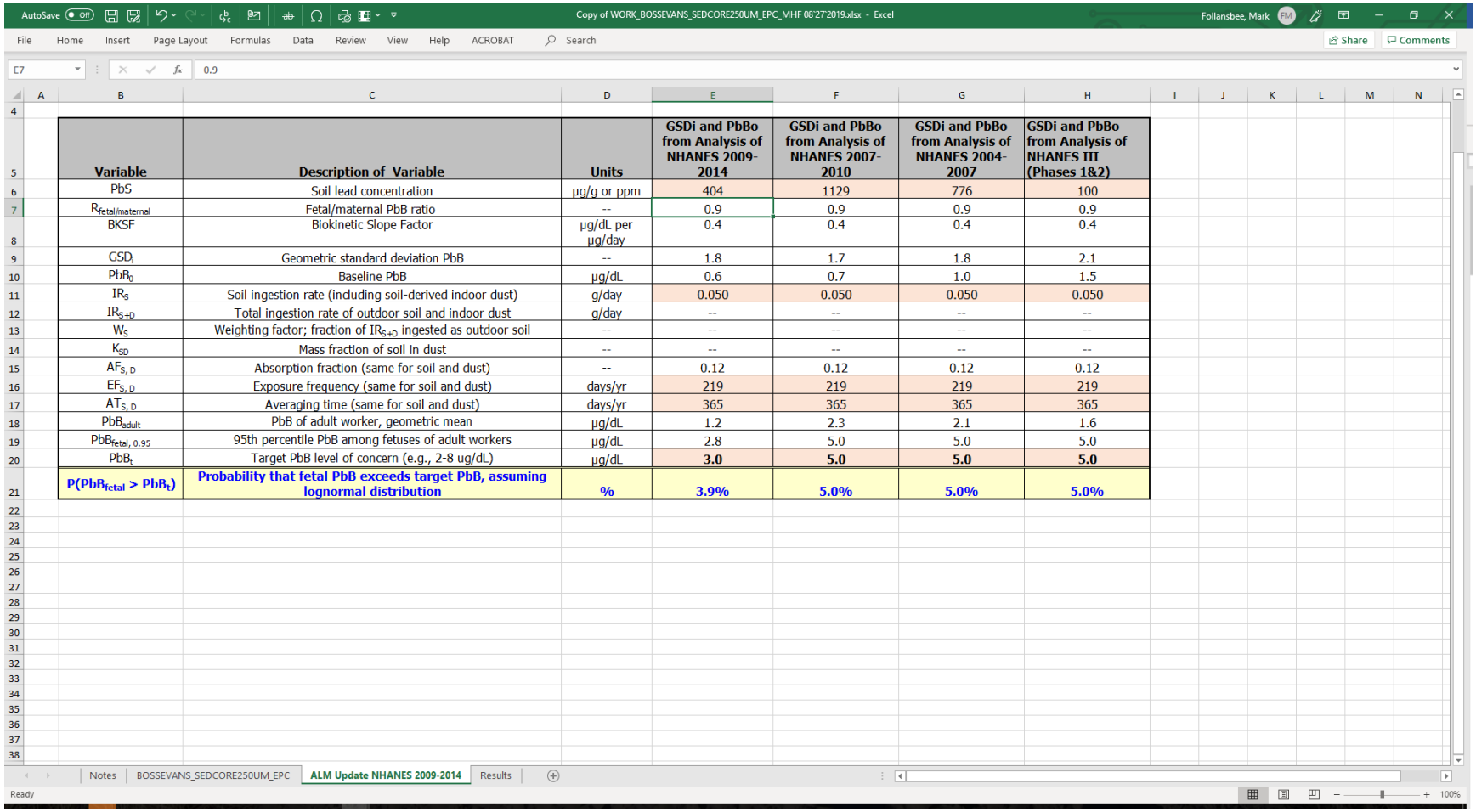
Ready

Evans Campground SDU-06



Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	14.3	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.6	2.3	2.1	1.6
$PbB_{fetal,0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.5	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**3.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**0.2%**	**5.0%**	**5.0%**	**5.0%**

Evans Campground SDU-07



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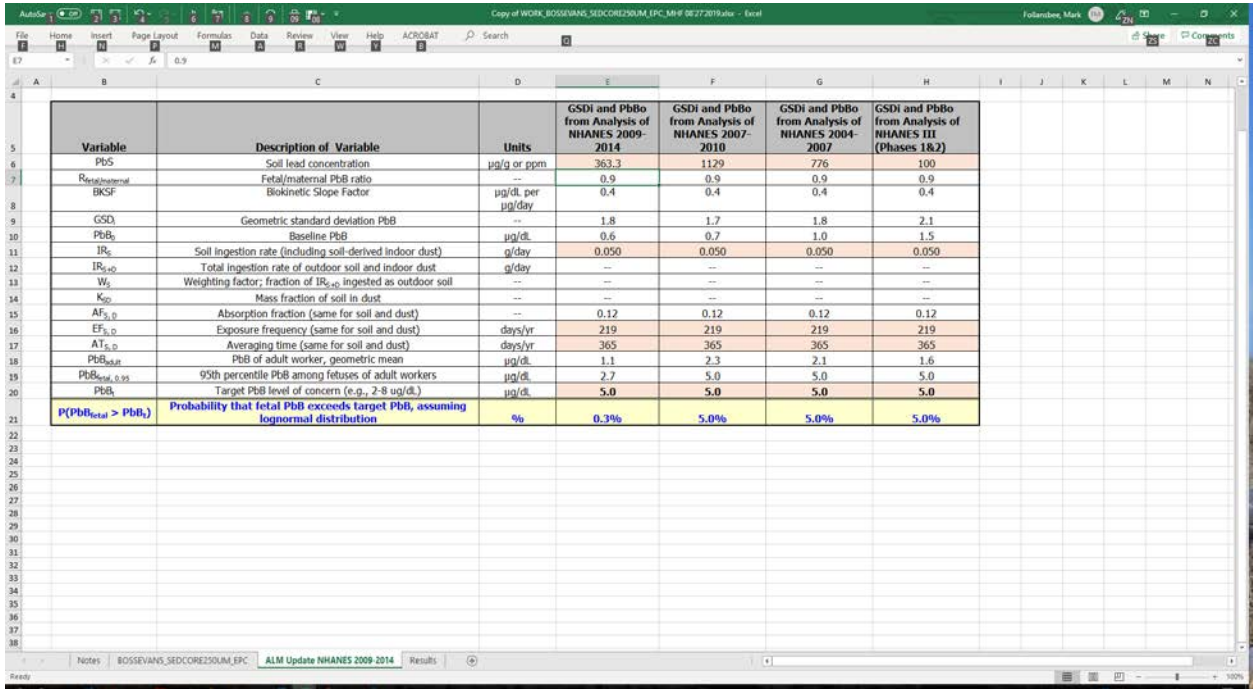
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	404	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.2	2.3	2.1	1.6
$PbB_{fetal,0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.8	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**3.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**3.9%**	**5.0%**	**5.0%**	**5.0%**

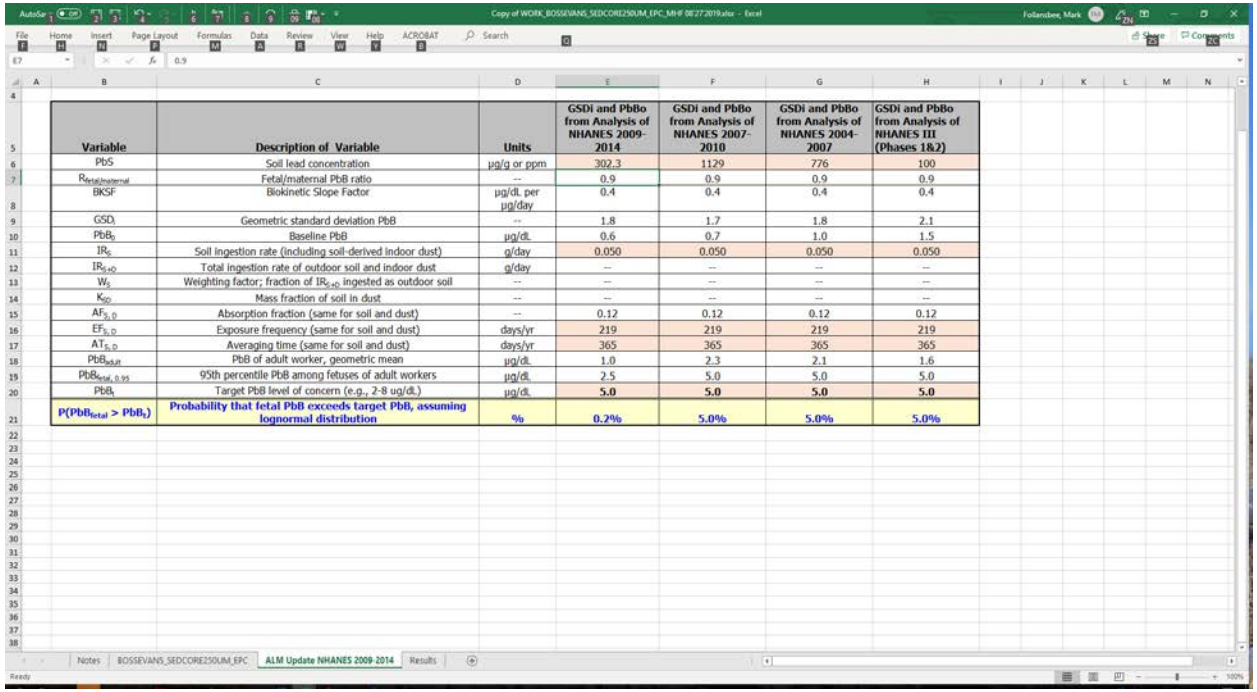
Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

Bossburg Flat SDU-01



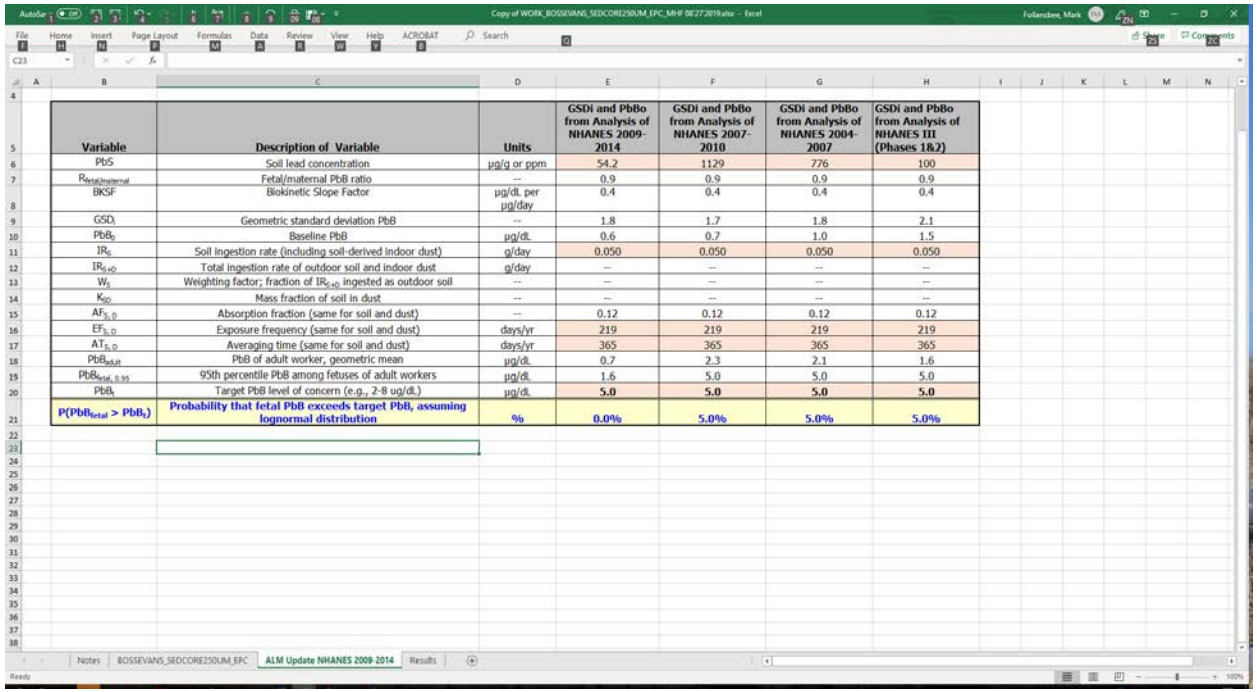
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	363.3	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.1	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.7	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**5.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**0.3%**	**5.0%**	**5.0%**	**5.0%**

Bossburg Flat SDU-02



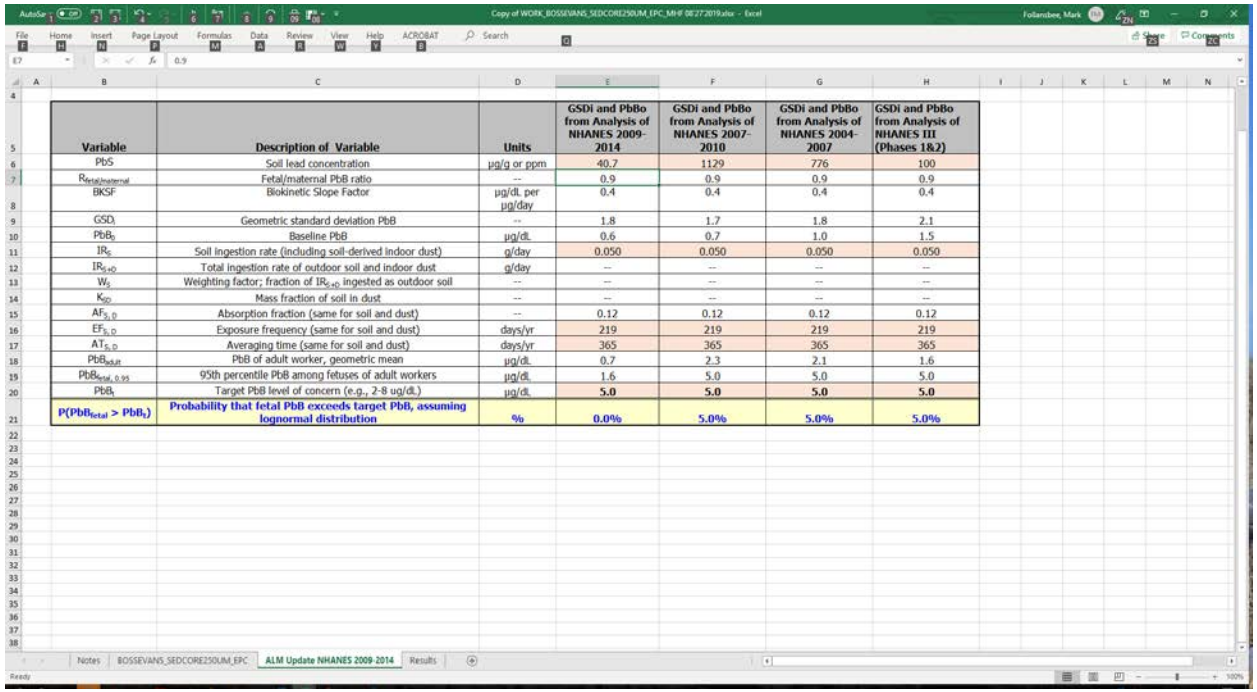
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	302.3	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.0	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.5	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**5.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**0.2%**	**5.0%**	**5.0%**	**5.0%**

Bossburg Flat SDU-03



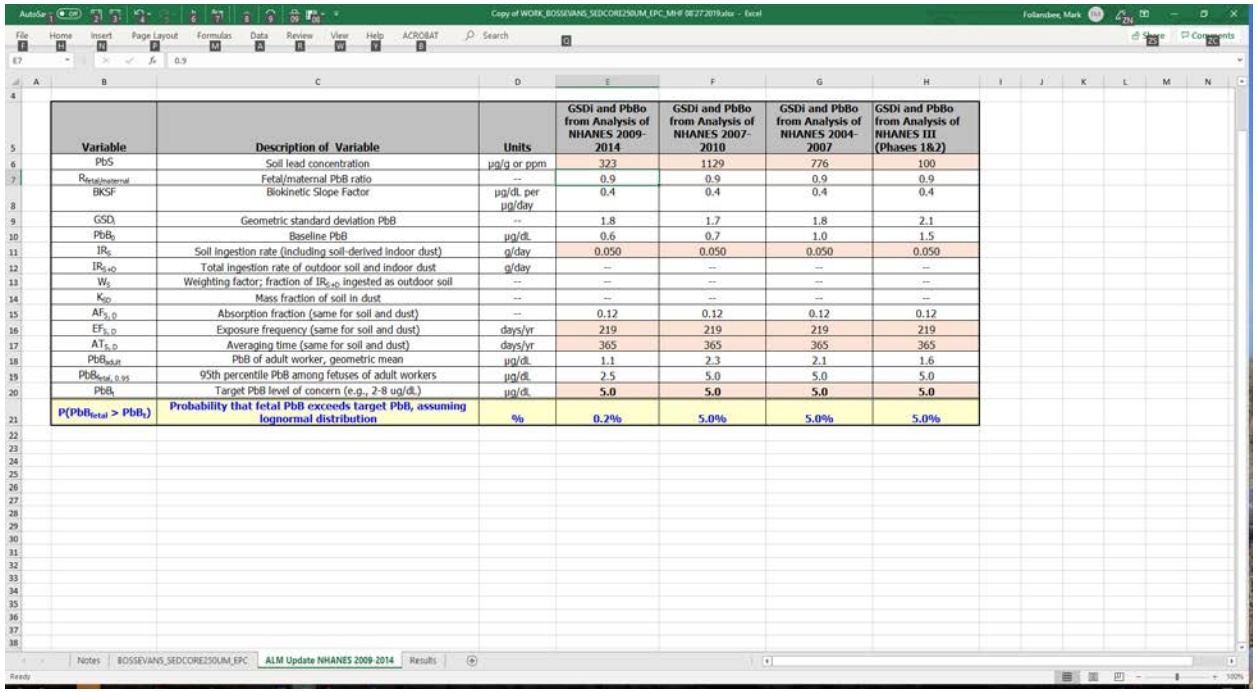
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	54.2	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.7	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.6	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**5.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t, assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Bossburg Flat SDU-04



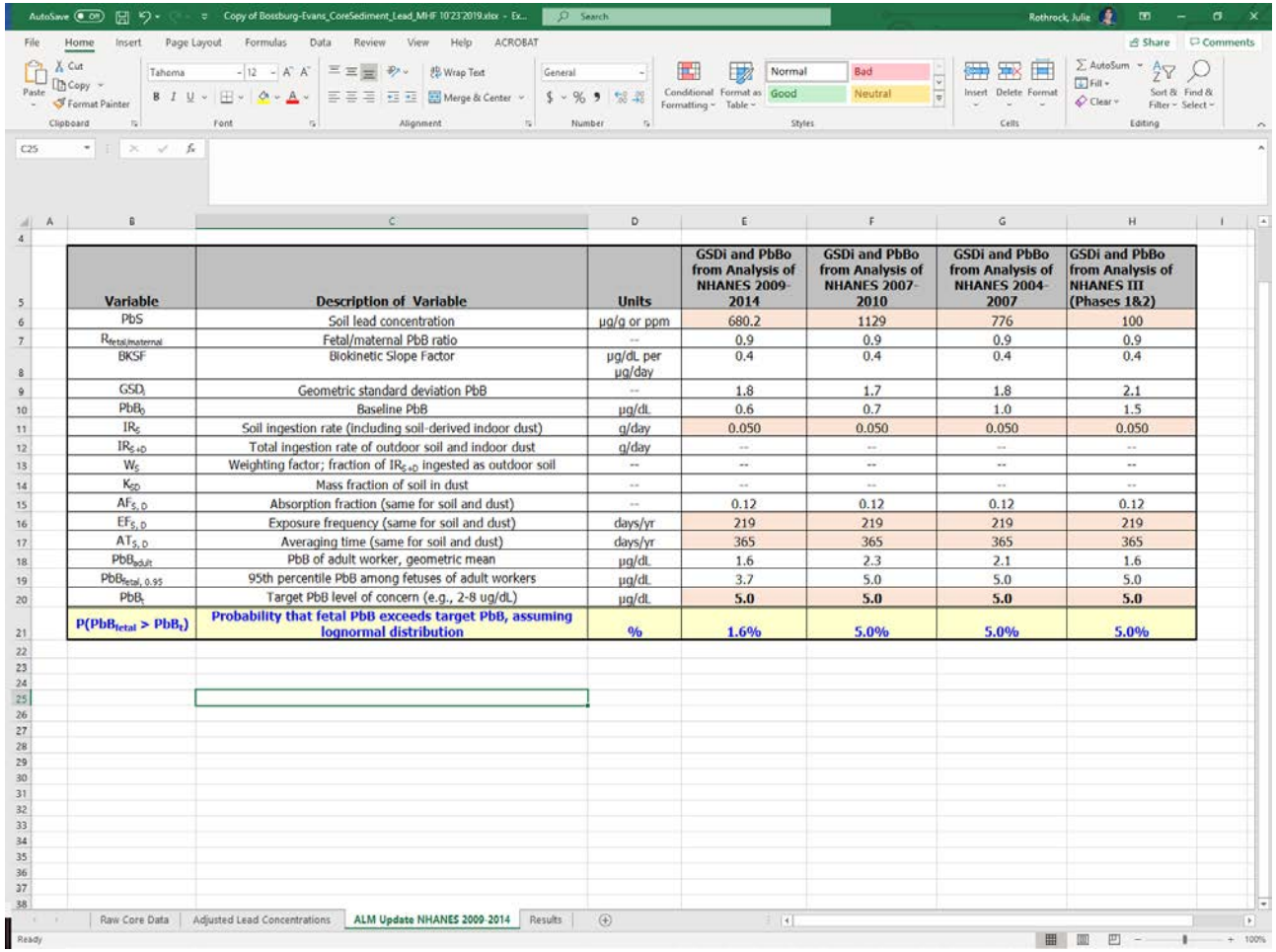
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	40.7	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.7	2.3	2.1	1.6
$PbB_{fetal,0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.6	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**5.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t, assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Bossburg Flat SDU-08



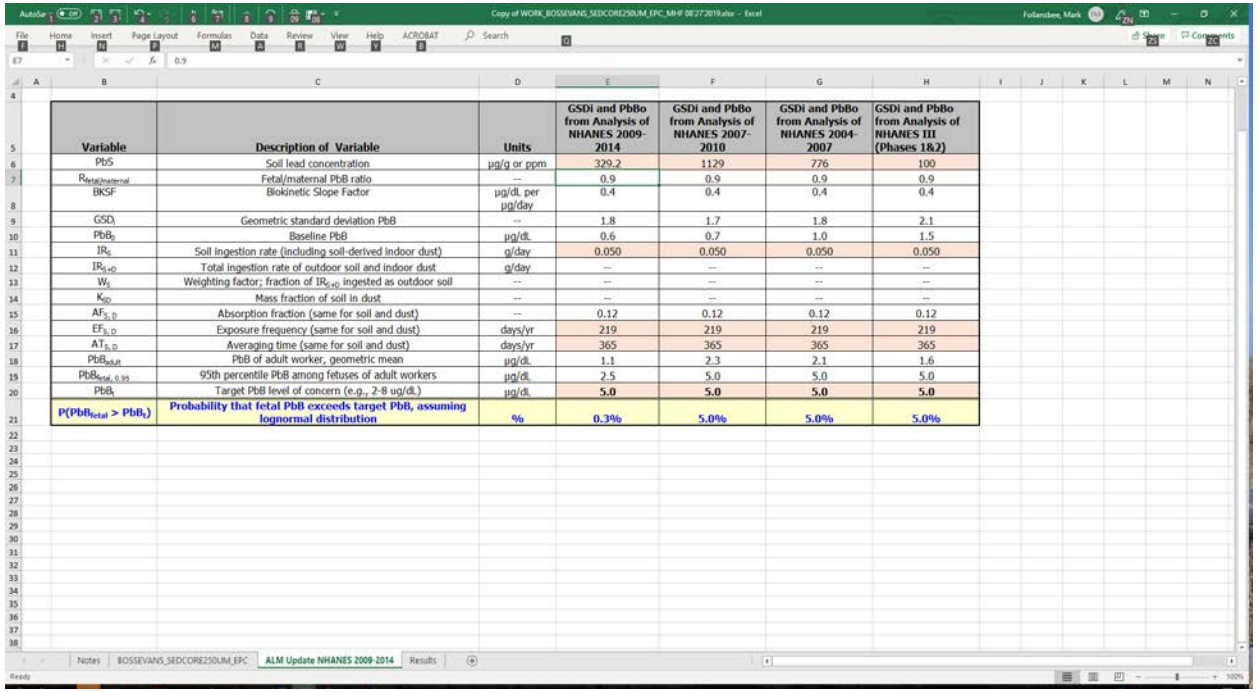
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	323	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.1	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.5	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**5.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t, assuming lognormal distribution**	**%**	**0.2%**	**5.0%**	**5.0%**	**5.0%**

Bossburg Flat F-01



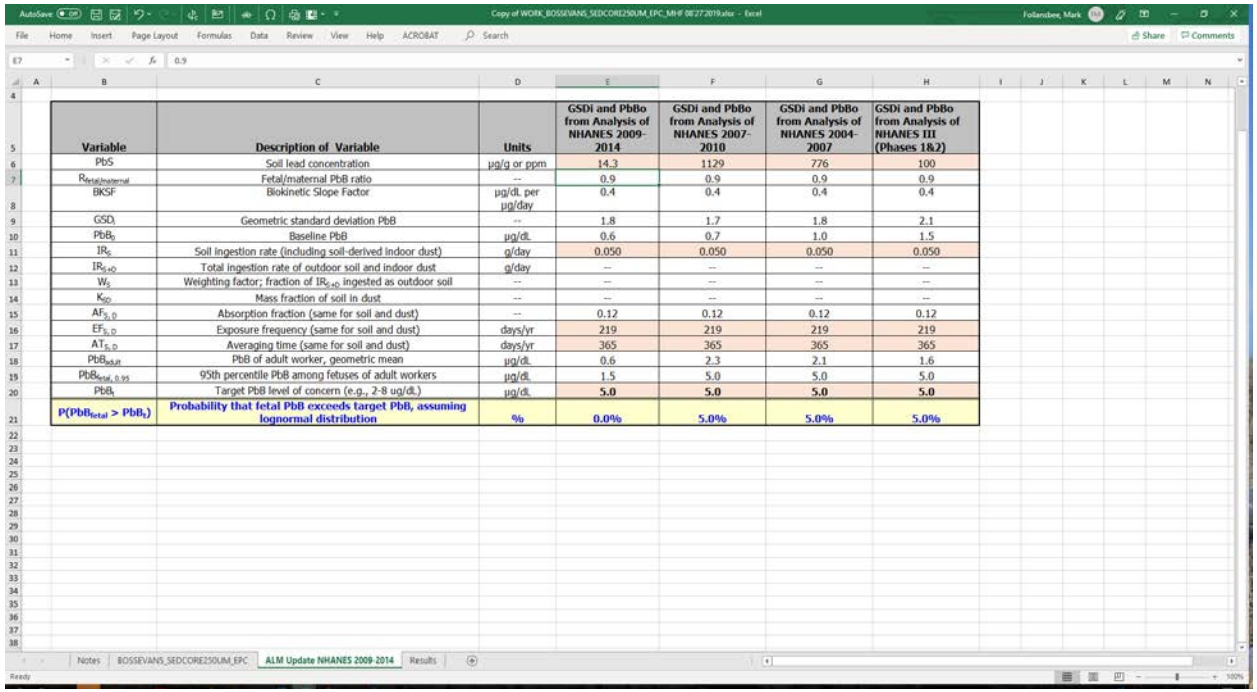
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	680.2	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.6	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	3.7	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**5.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**1.6%**	**5.0%**	**5.0%**	**5.0%**

Evans Campground SDU-05



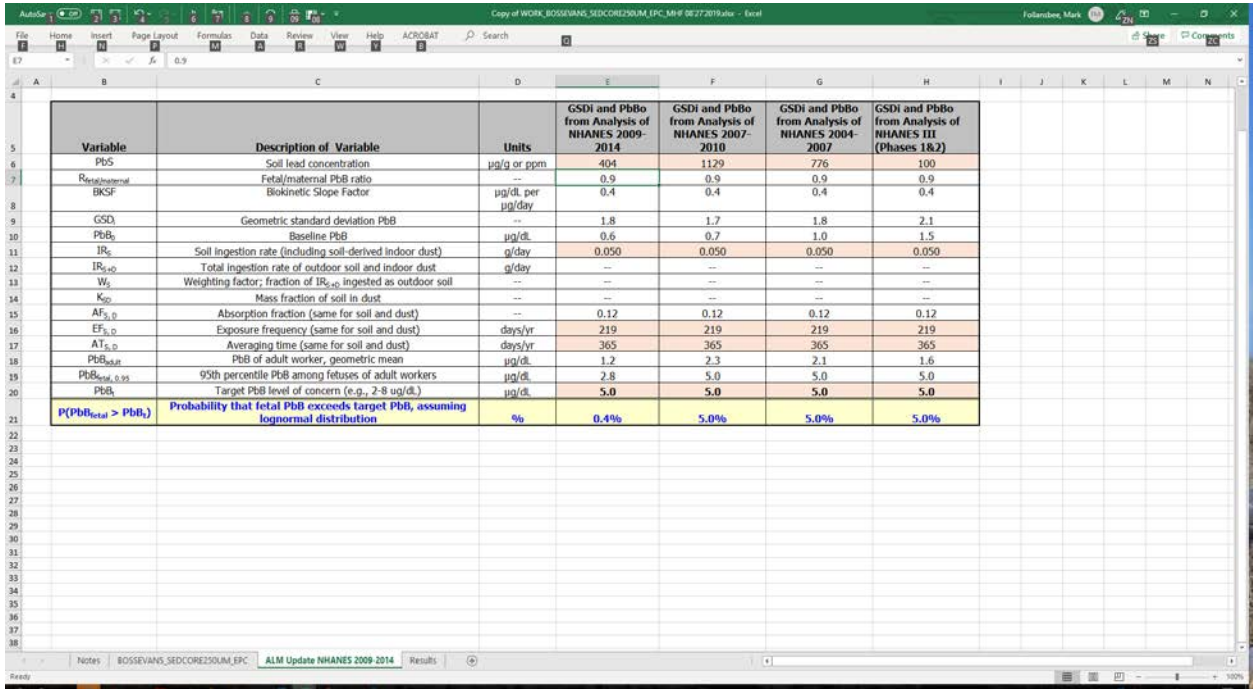
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	329.2	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.1	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.5	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**5.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**0.3%**	**5.0%**	**5.0%**	**5.0%**

Evans Campground SDU-06



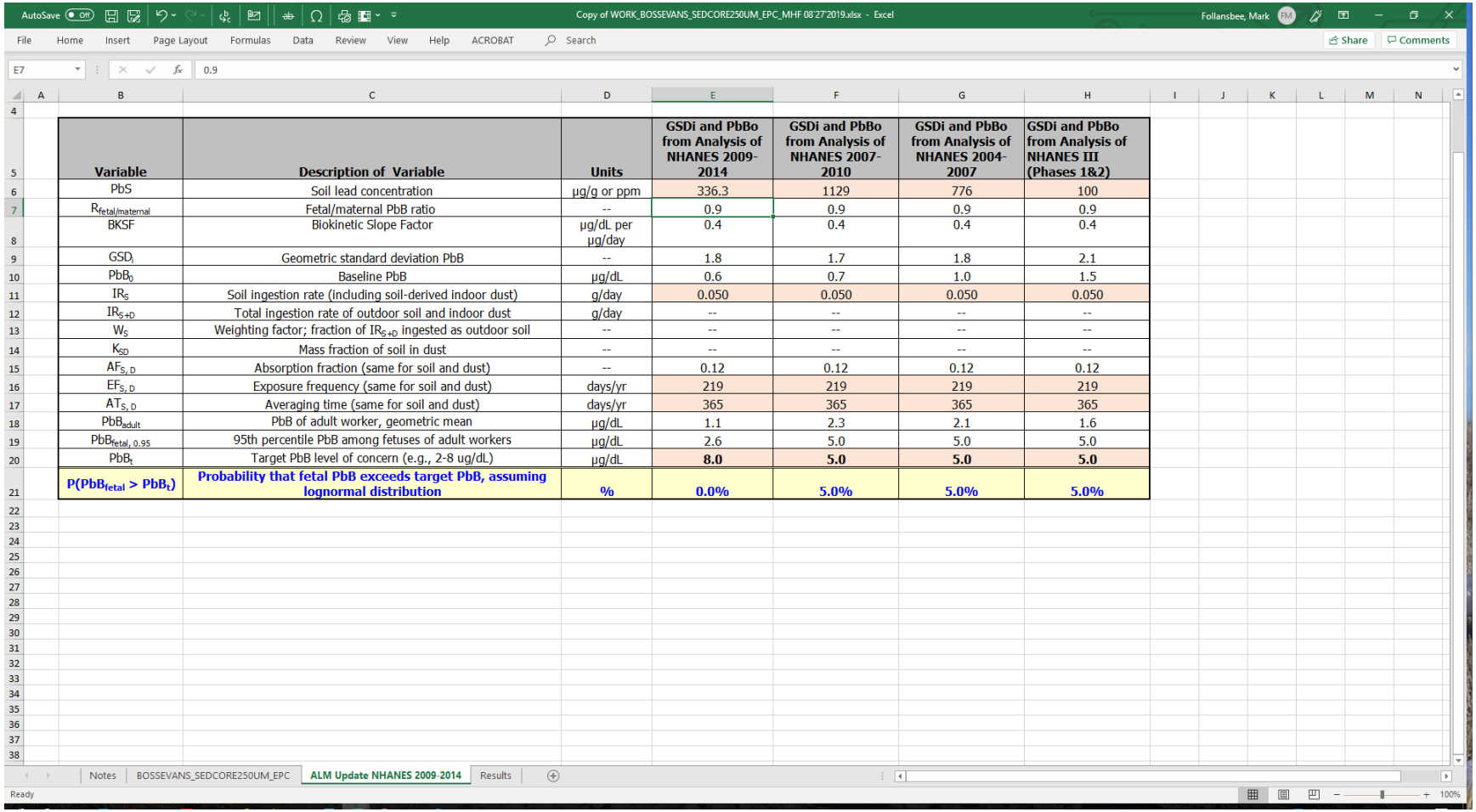
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	14.3	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.6	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.5	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**5.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t, assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Evans Campground SDU-07



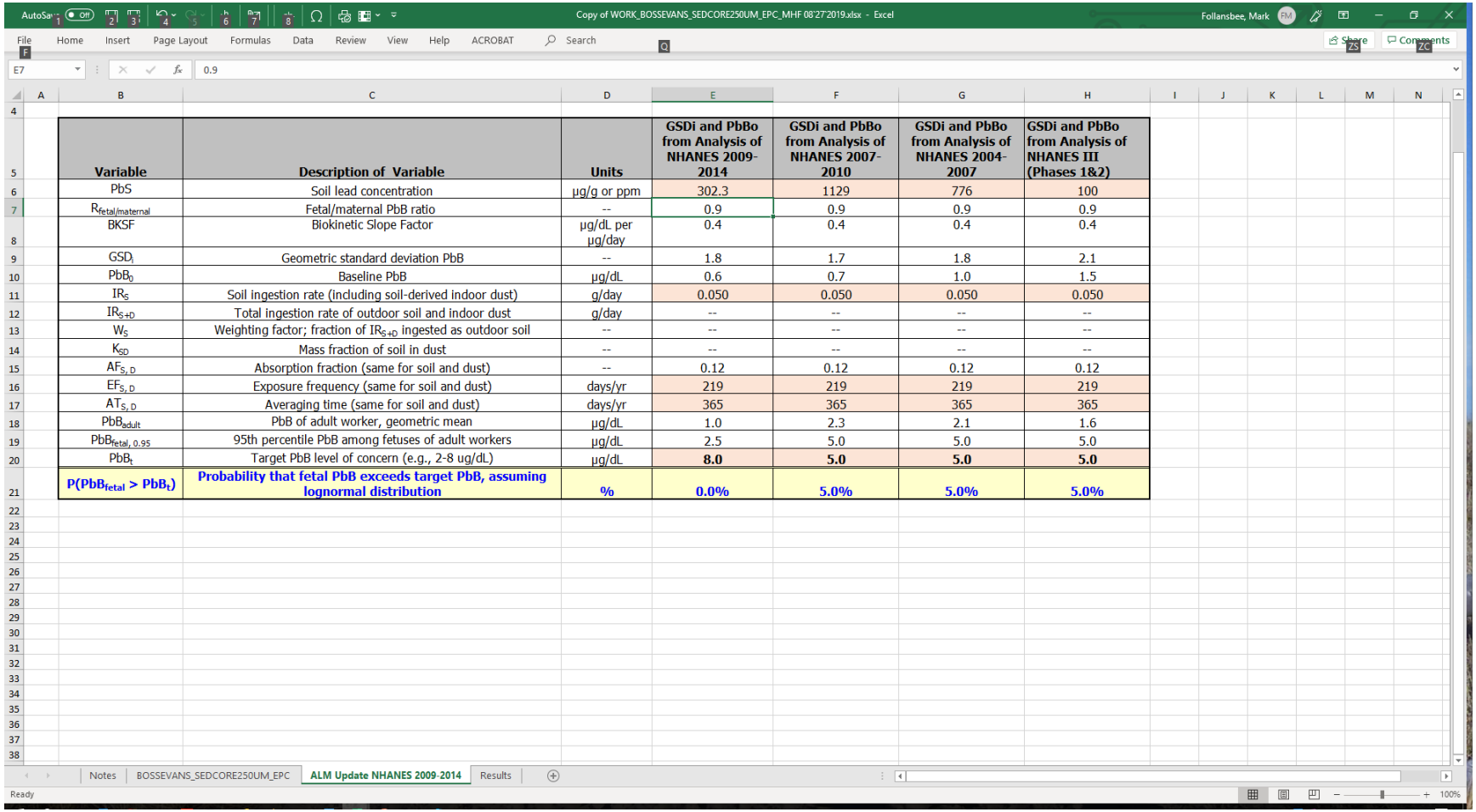
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	404	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.2	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.8	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**5.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**0.4%**	**5.0%**	**5.0%**	**5.0%**

Bossburg Flat SDU-01



Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	336.3	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.1	2.3	2.1	1.6
$PbB_{fetal,0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.6	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**8.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Bossburg Flat SDU-02



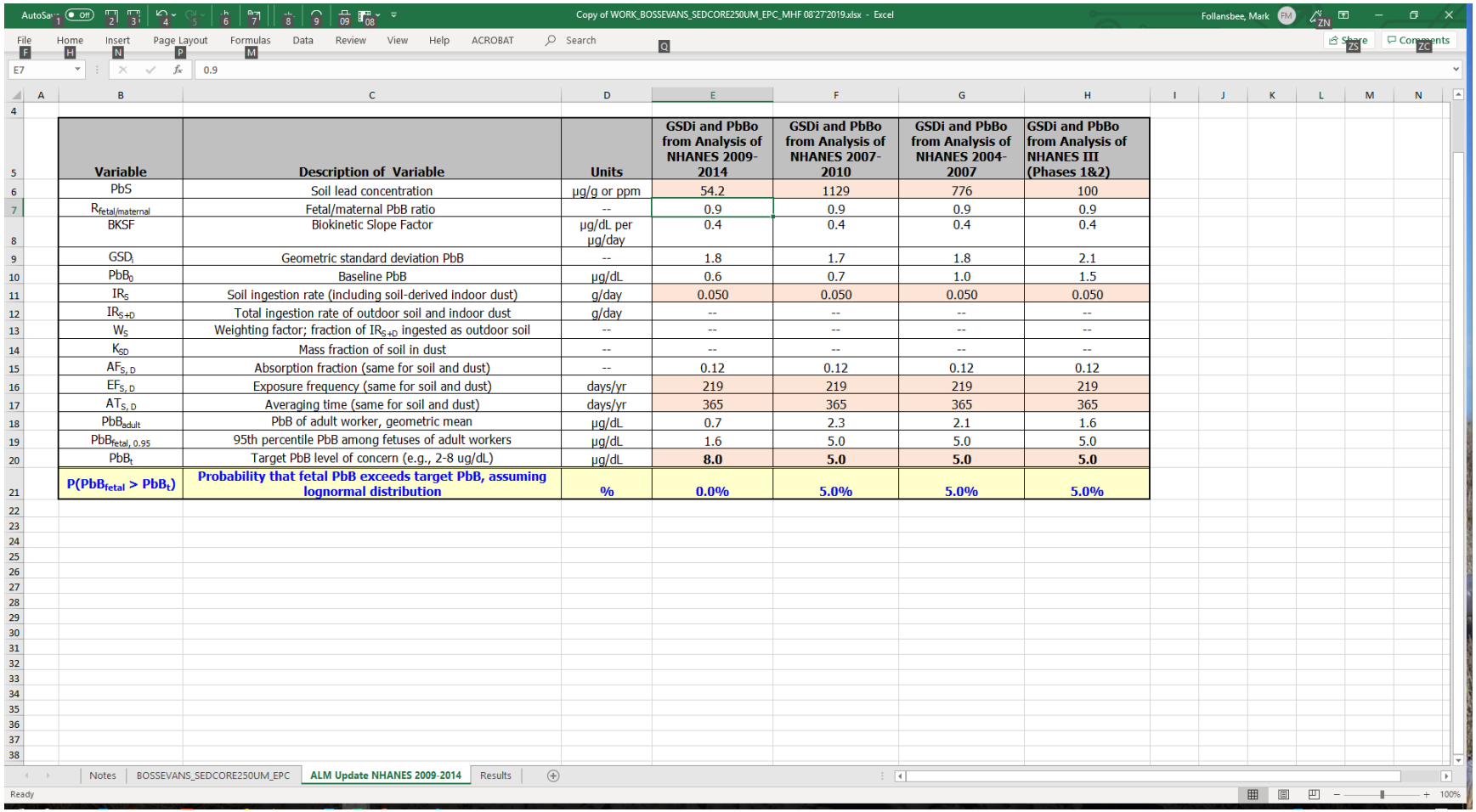
Copy of WORK_BOSSEVANS_SEDCORE250UM_EPC_MHF 08'27'2019.xlsx - Excel

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	302.3	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.0	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.5	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**8.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

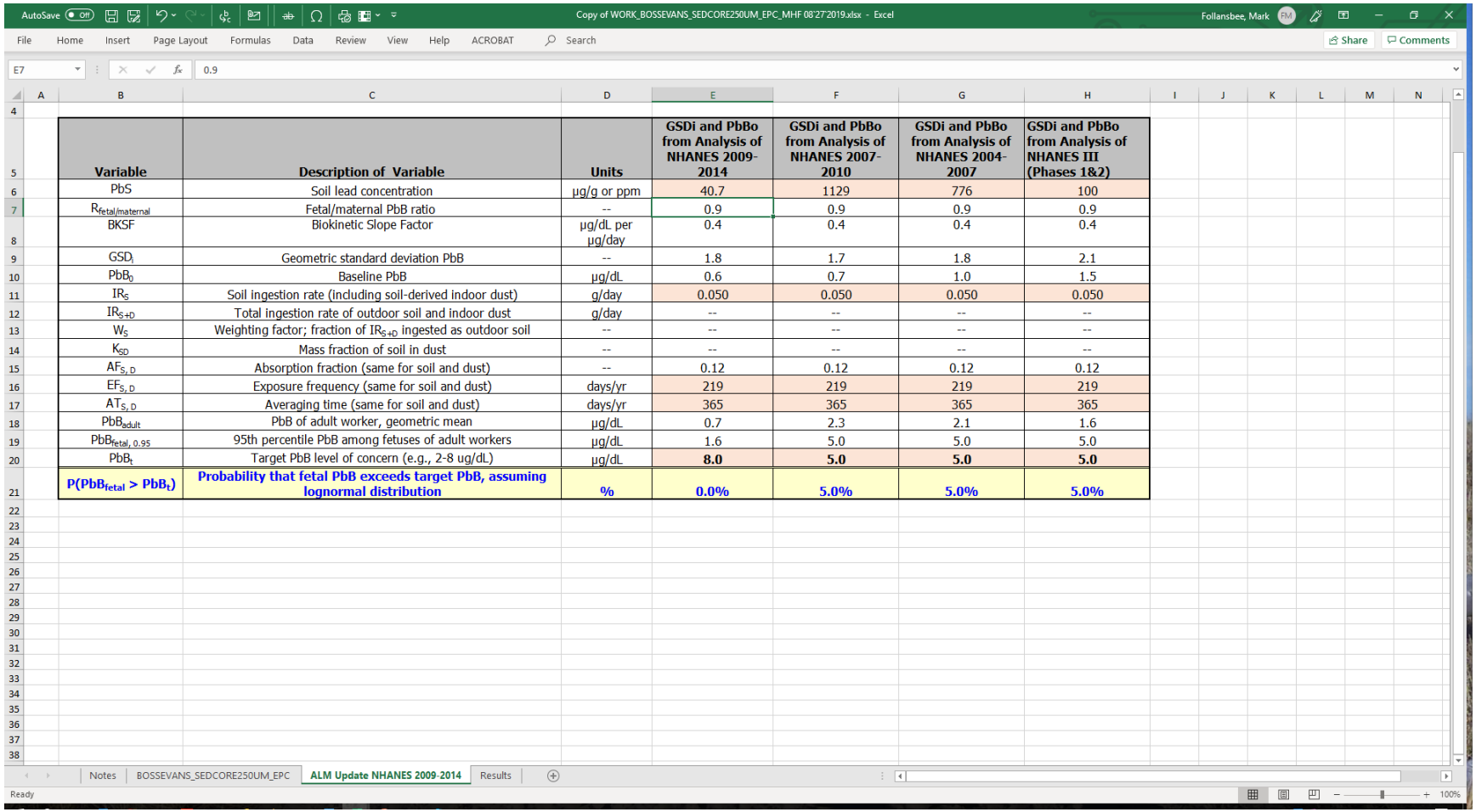
Ready

Bossburg Flat SDU-03



Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	54.2	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.7	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.6	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**8.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Bossburg Flat SDU-04



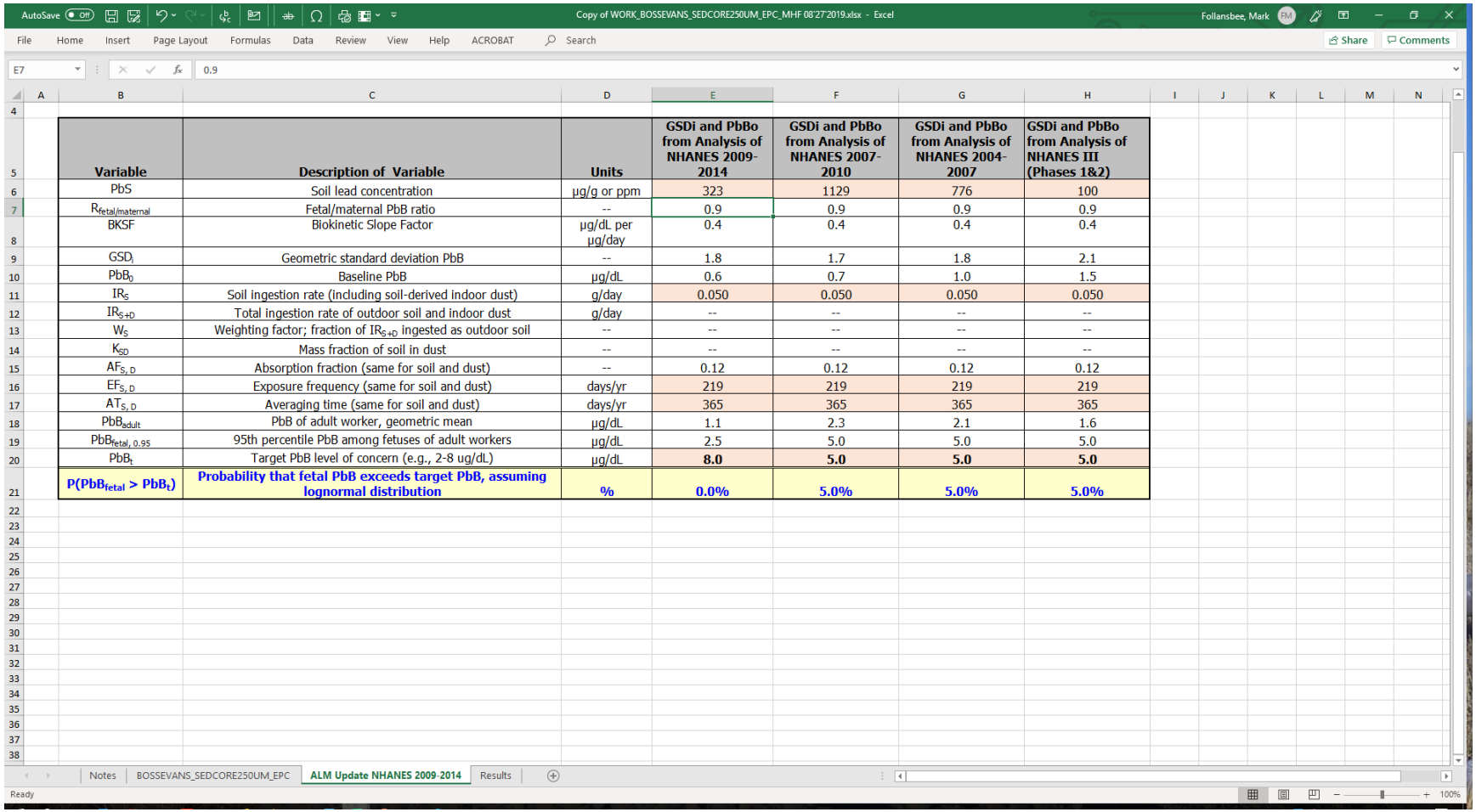
Copy of WORK_BOSSEVANS_SEDCORE250UM_EPC_MHF 08'27'2019.xlsx - Excel

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	40.7	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.7	2.3	2.1	1.6
$PbB_{fetal,0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.6	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**8.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

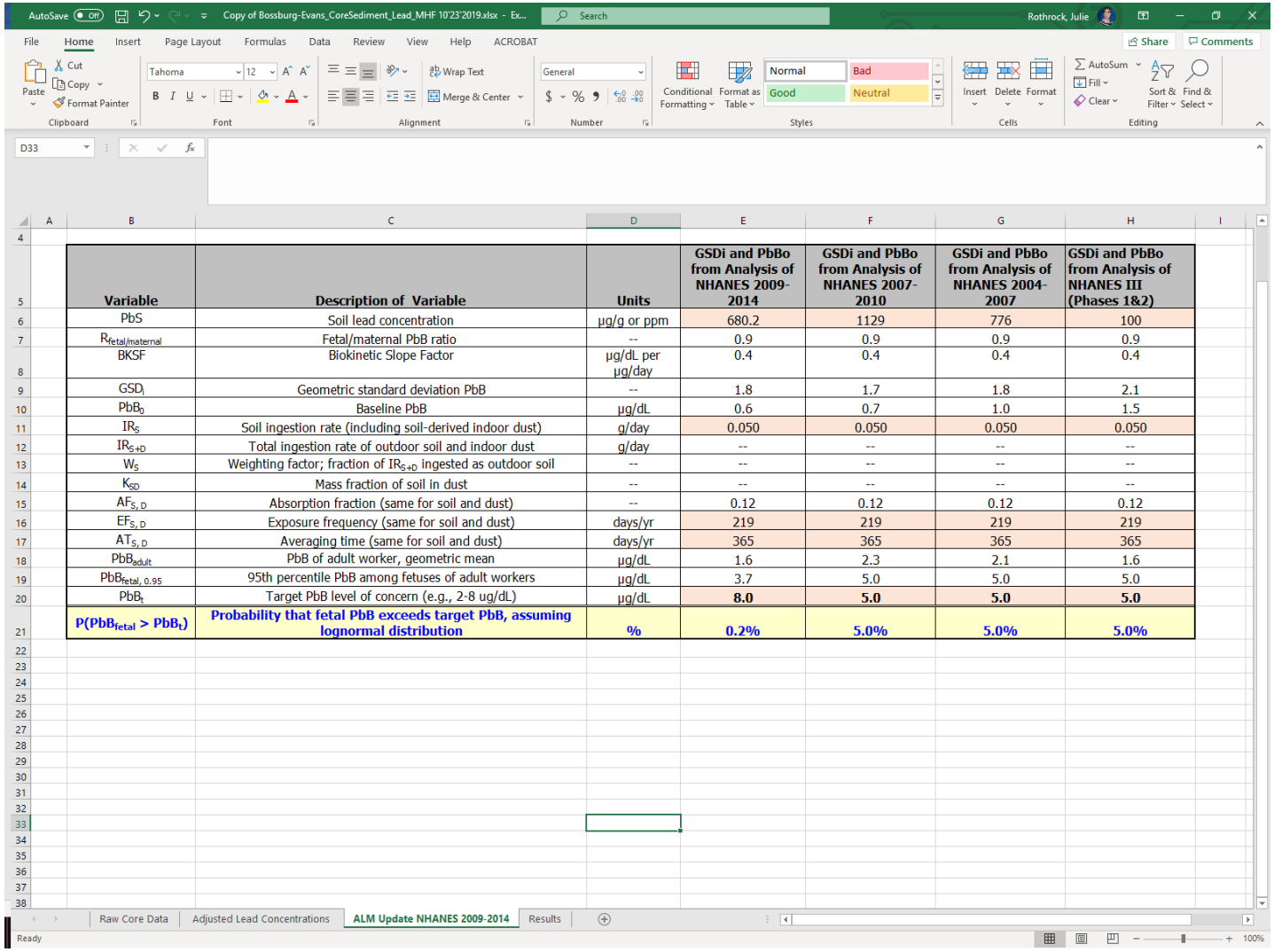
Ready

Bossburg Flat SDU-08



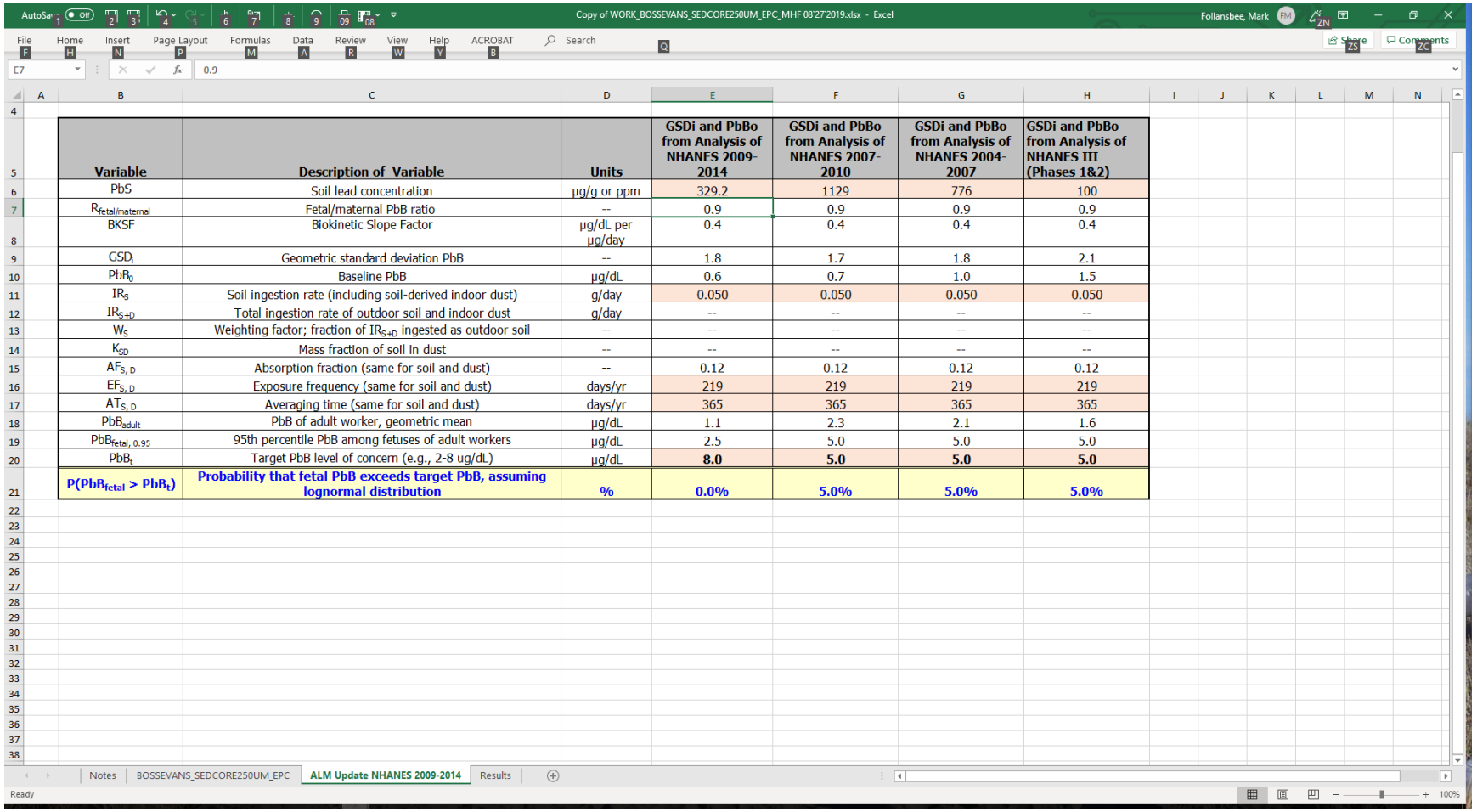
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	323	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.1	2.3	2.1	1.6
$PbB_{fetal,0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.5	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**8.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Bossburg Flat F-01



Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	680.2	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.6	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	3.7	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**8.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**0.2%**	**5.0%**	**5.0%**	**5.0%**

Evans Campground SDU-05



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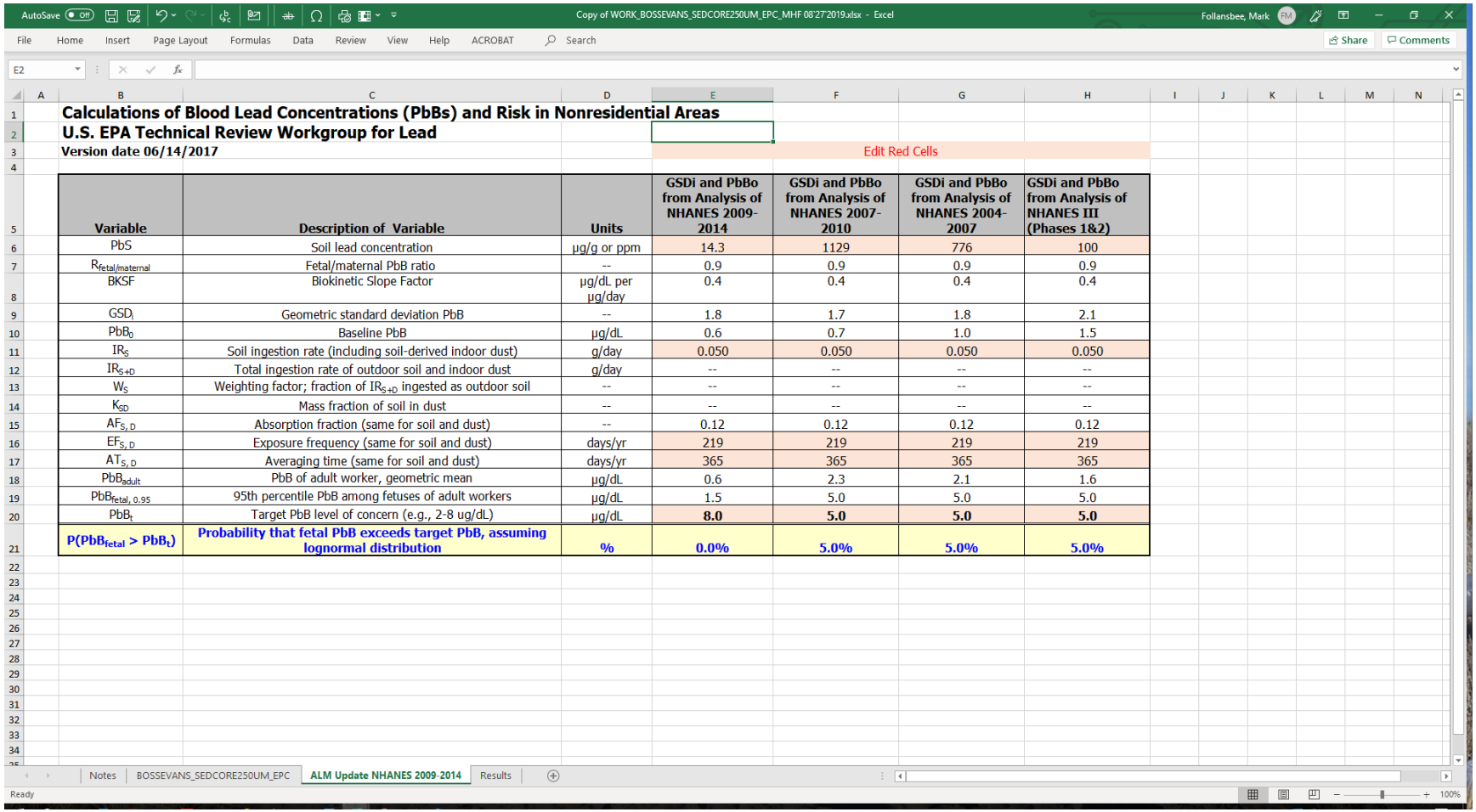
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	329.2	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.1	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.5	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**8.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

Ready

Evans Campground SDU-06



Calculations of Blood Lead Concentrations (PbBs) and Risk in Nonresidential Areas

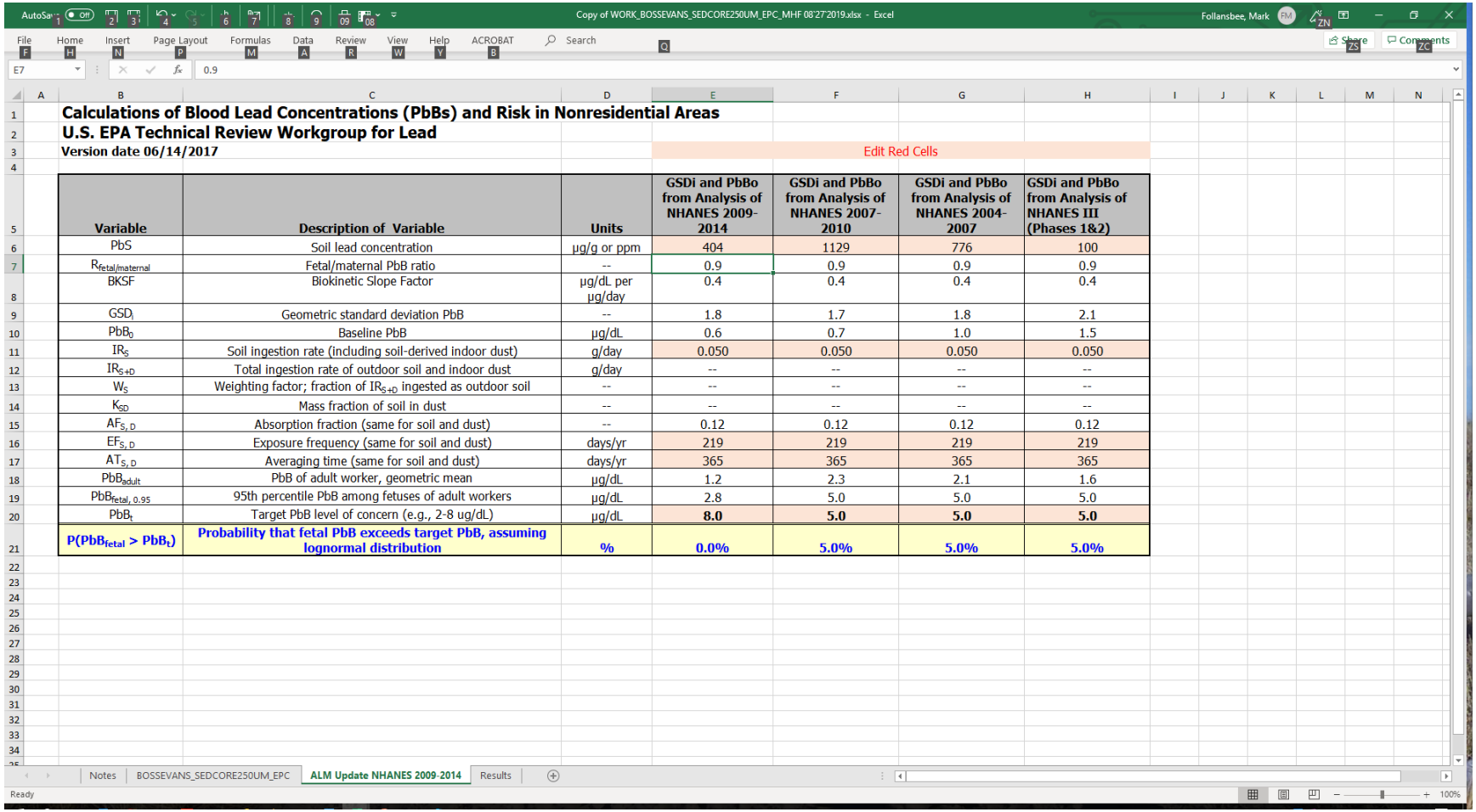
U.S. EPA Technical Review Workgroup for Lead

Version date 06/14/2017

Edit Red Cells

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	14.3	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.6	2.3	2.1	1.6
$PbB_{fetal,0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.5	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**8.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Evans Campground SDU-07



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Calculations of Blood Lead Concentrations (PbBs) and Risk in Nonresidential Areas
U.S. EPA Technical Review Workgroup for Lead
Version date 06/14/2017

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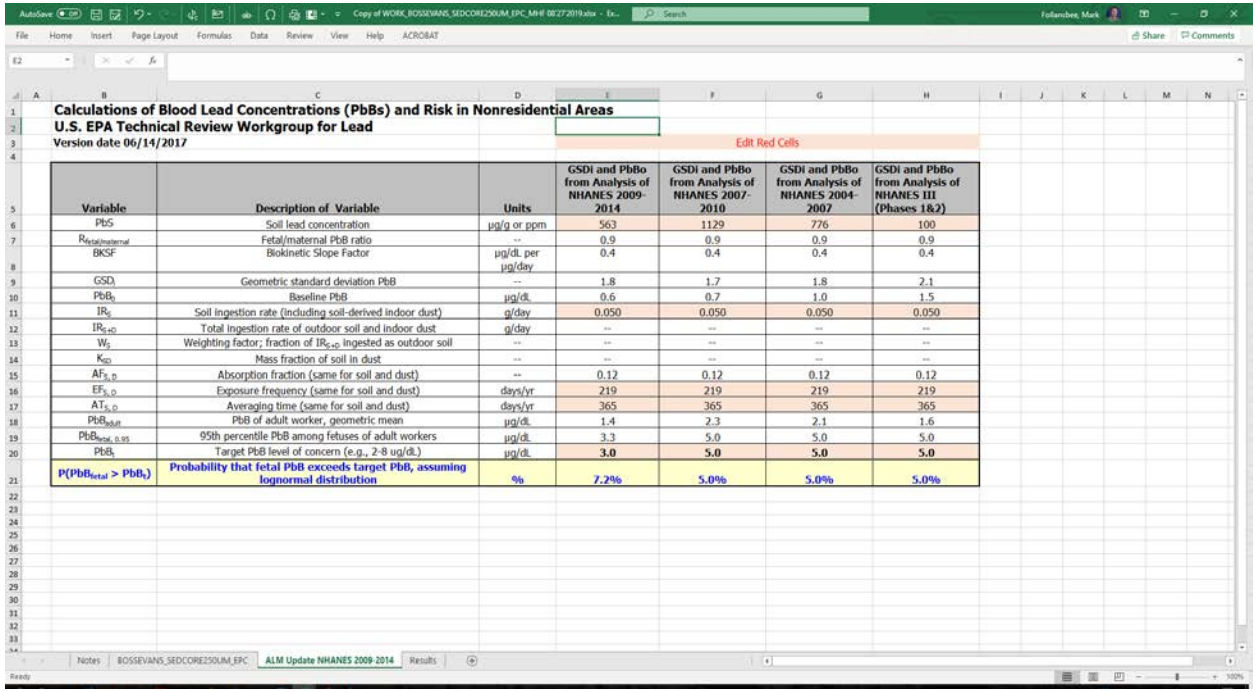
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	404	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.2	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.8	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**8.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB, assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

Ready

UDU-01



Calculations of Blood Lead Concentrations (PbBs) and Risk in Nonresidential Areas

U.S. EPA Technical Review Workgroup for Lead

Version date 06/14/2017

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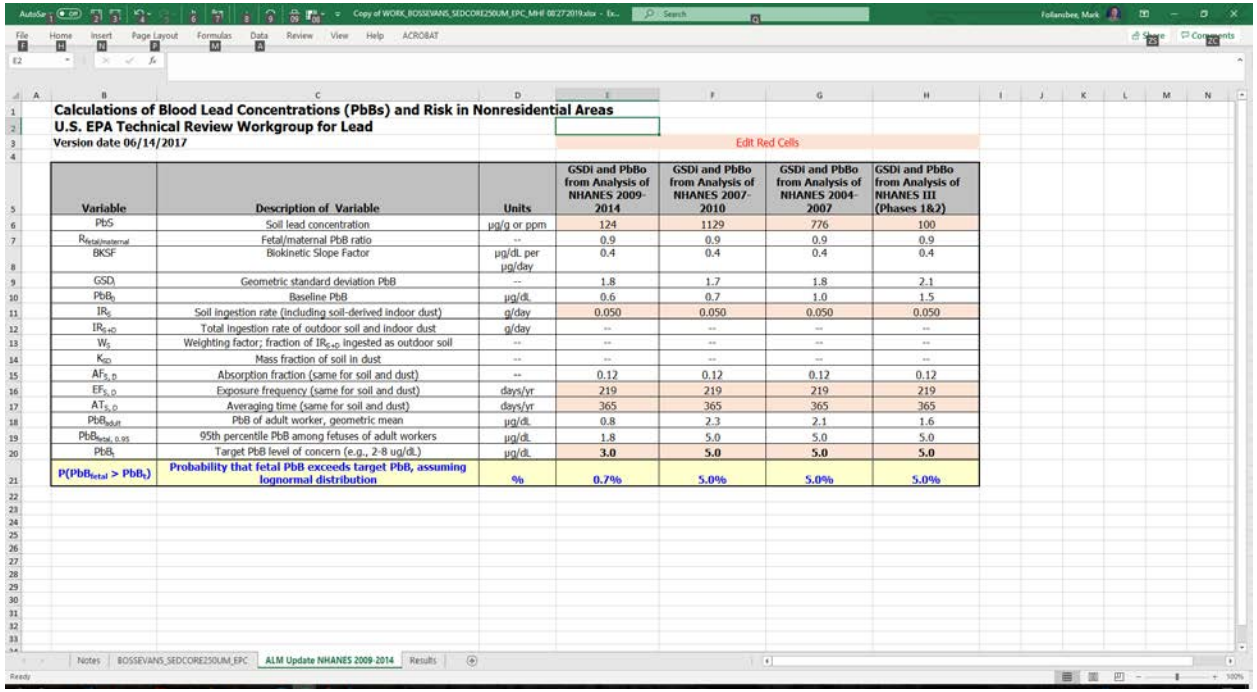
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	563	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.4	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	3.3	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**3.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t, assuming lognormal distribution**	**%**	**7.2%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

UDU-02



Calculations of Blood Lead Concentrations (PbBs) and Risk in Nonresidential Areas

U.S. EPA Technical Review Workgroup for Lead

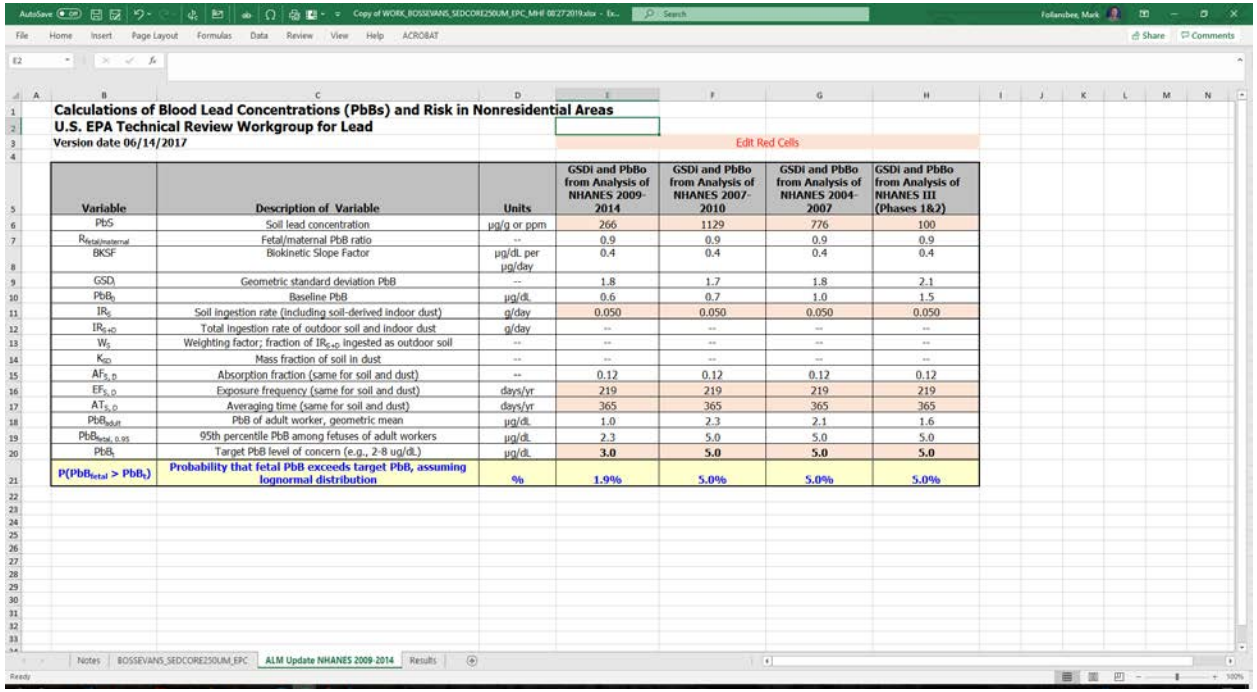
Version date 06/14/2017

Edit Red Cells

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	124	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.8	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.8	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**3.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t assuming lognormal distribution**	**%**	**0.7%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

UDU-03



Calculations of Blood Lead Concentrations (PbBs) and Risk in Nonresidential Areas

U.S. EPA Technical Review Workgroup for Lead

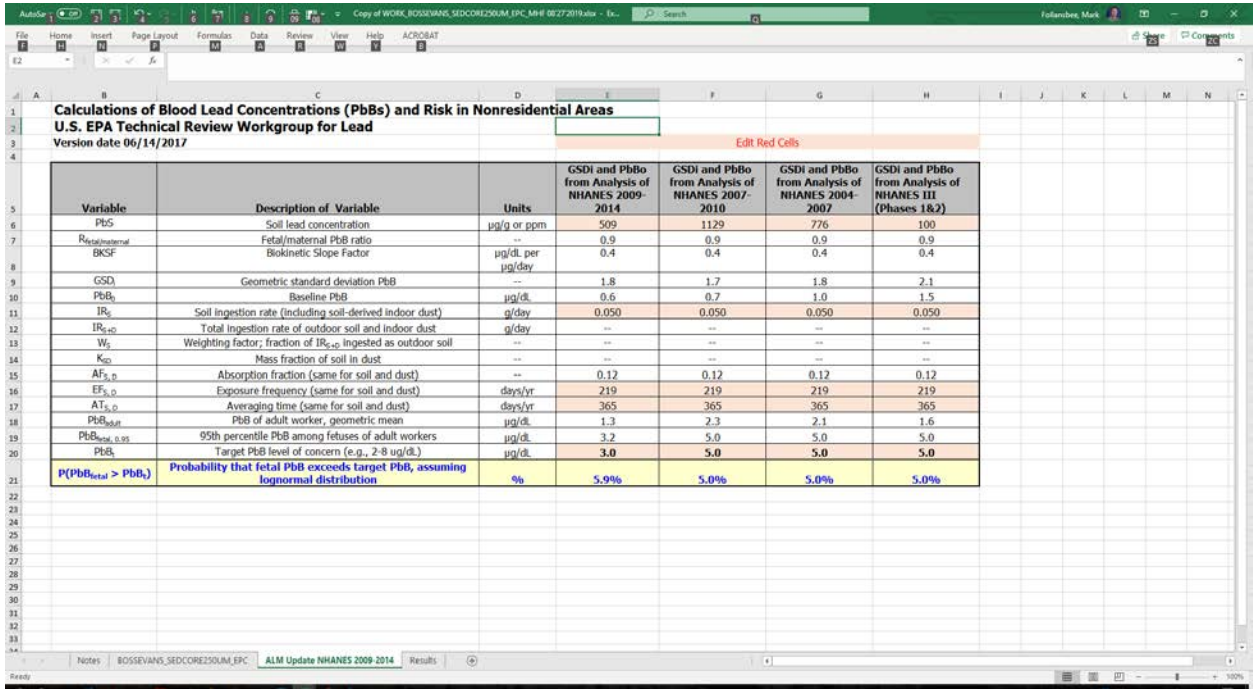
Version date 06/14/2017

Edit Red Cells

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	266	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.0	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.3	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**3.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t assuming lognormal distribution**	**%**	**1.9%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

UDU-04



Calculations of Blood Lead Concentrations (PbBs) and Risk in Nonresidential Areas

U.S. EPA Technical Review Workgroup for Lead

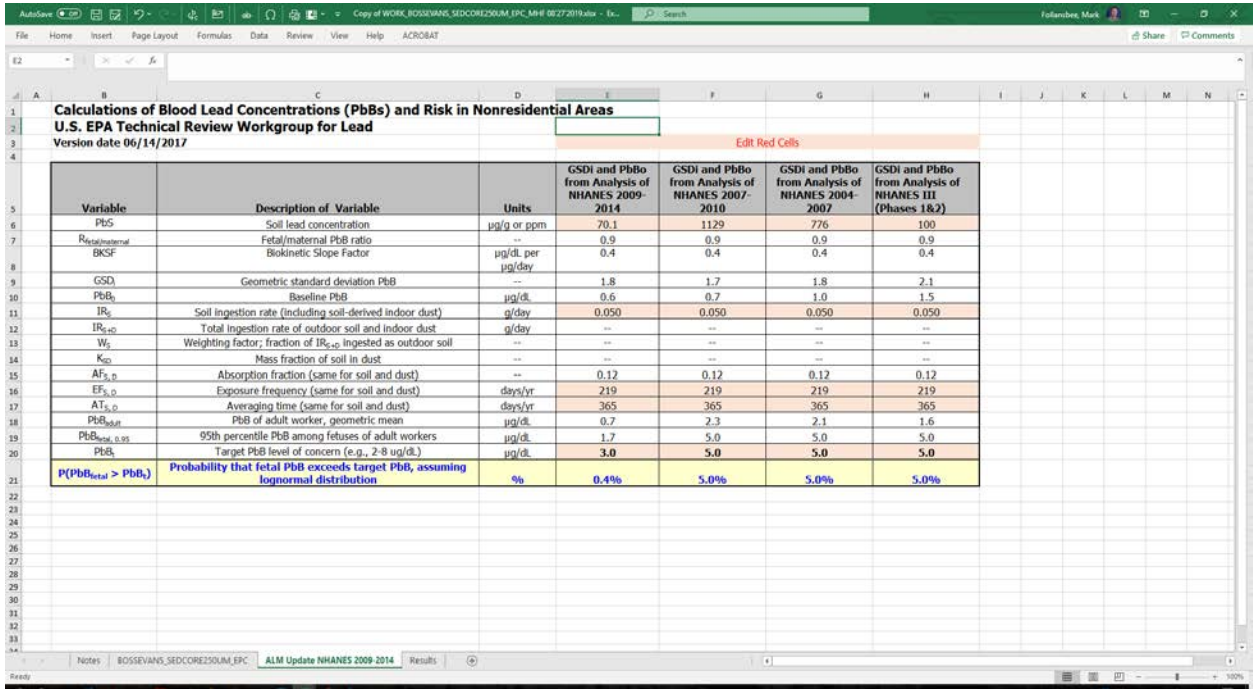
Version date 06/14/2017

Edit Red Cells

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	509	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.3	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	3.2	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**3.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t assuming lognormal distribution**	**%**	**5.9%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

UDU-05



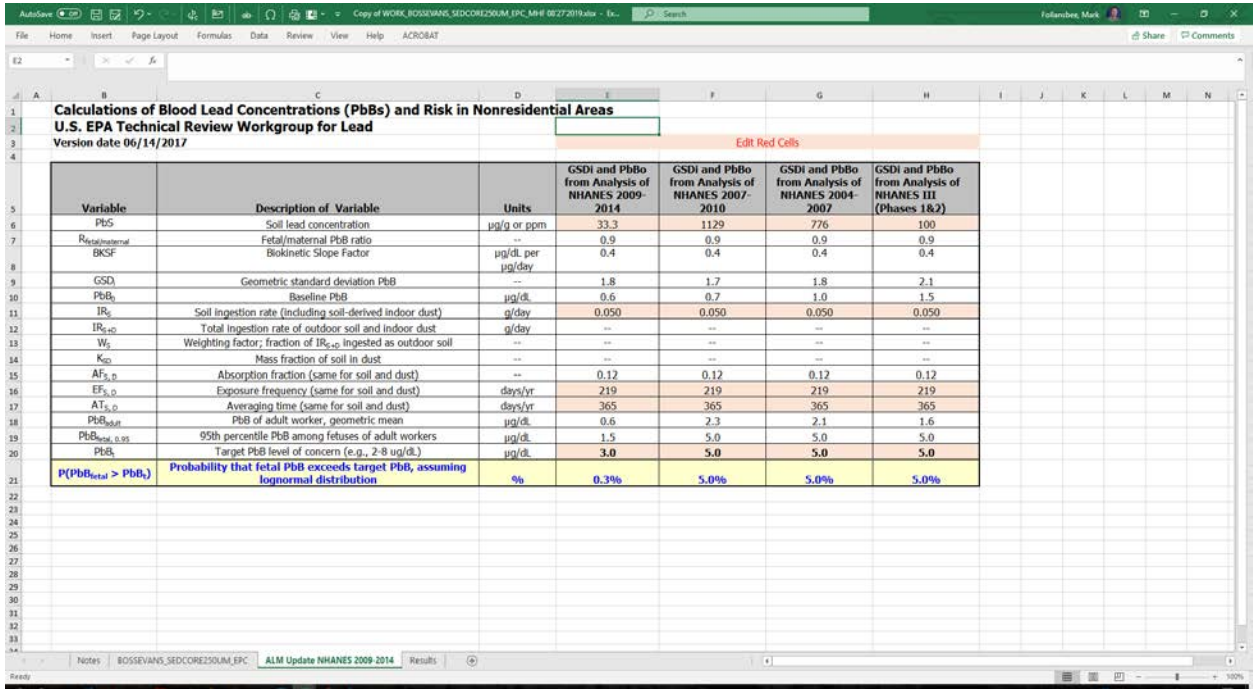
Calculations of Blood Lead Concentrations (PbBs) and Risk in Nonresidential Areas
U.S. EPA Technical Review Workgroup for Lead
Version date 06/14/2017

Edit Red Cells

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	70.1	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.7	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.7	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**3.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t assuming lognormal distribution**	**%**	**0.4%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

UDU-06



Calculations of Blood Lead Concentrations (PbBs) and Risk in Nonresidential Areas

U.S. EPA Technical Review Workgroup for Lead

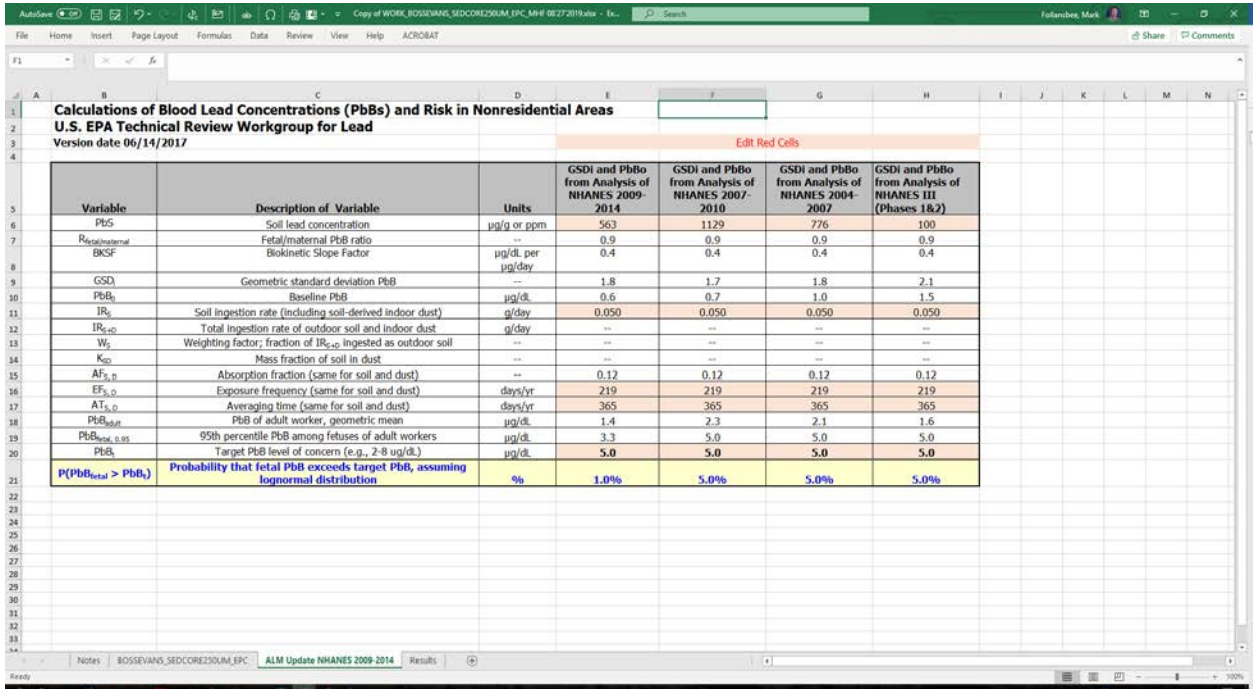
Version date 06/14/2017

Edit Red Cells

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	33.3	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.6	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.5	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**3.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t, assuming lognormal distribution**	**%**	**0.3%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

UDU-01



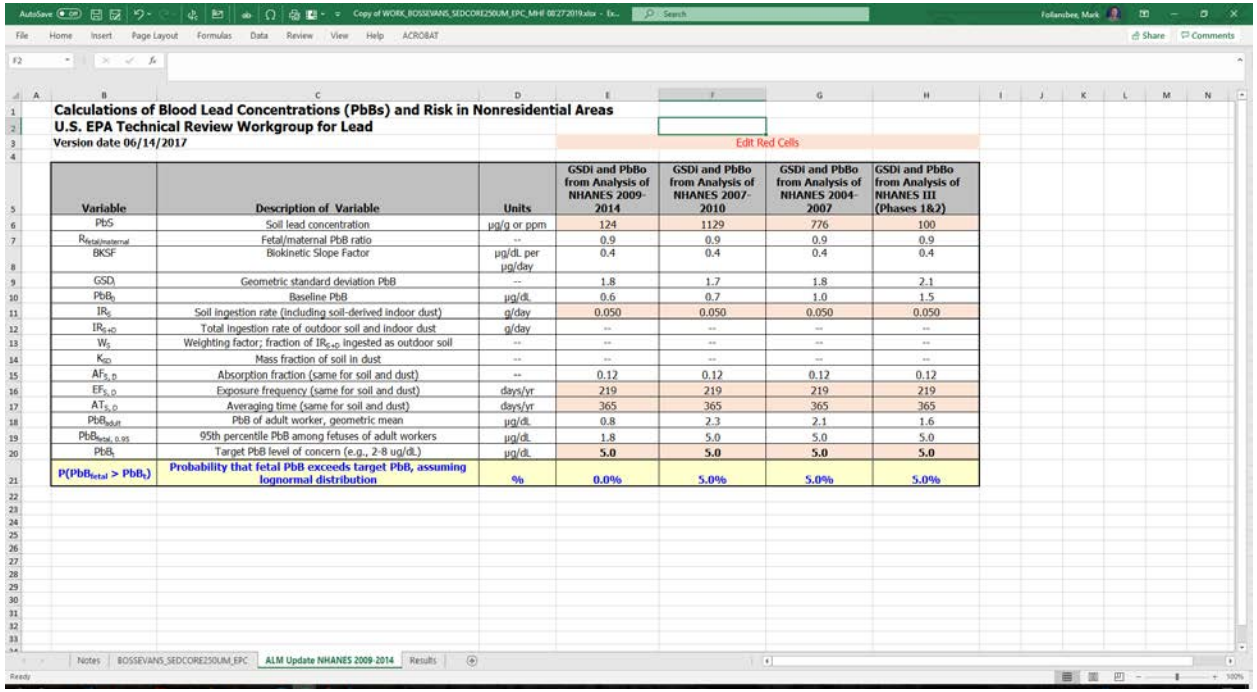
Calculations of Blood Lead Concentrations (PbBs) and Risk in Nonresidential Areas
U.S. EPA Technical Review Workgroup for Lead
Version date 06/14/2017

Edit Red Cells

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	563	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.4	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	3.3	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**5.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t, assuming lognormal distribution**	**%**	**1.0%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

UDU-02



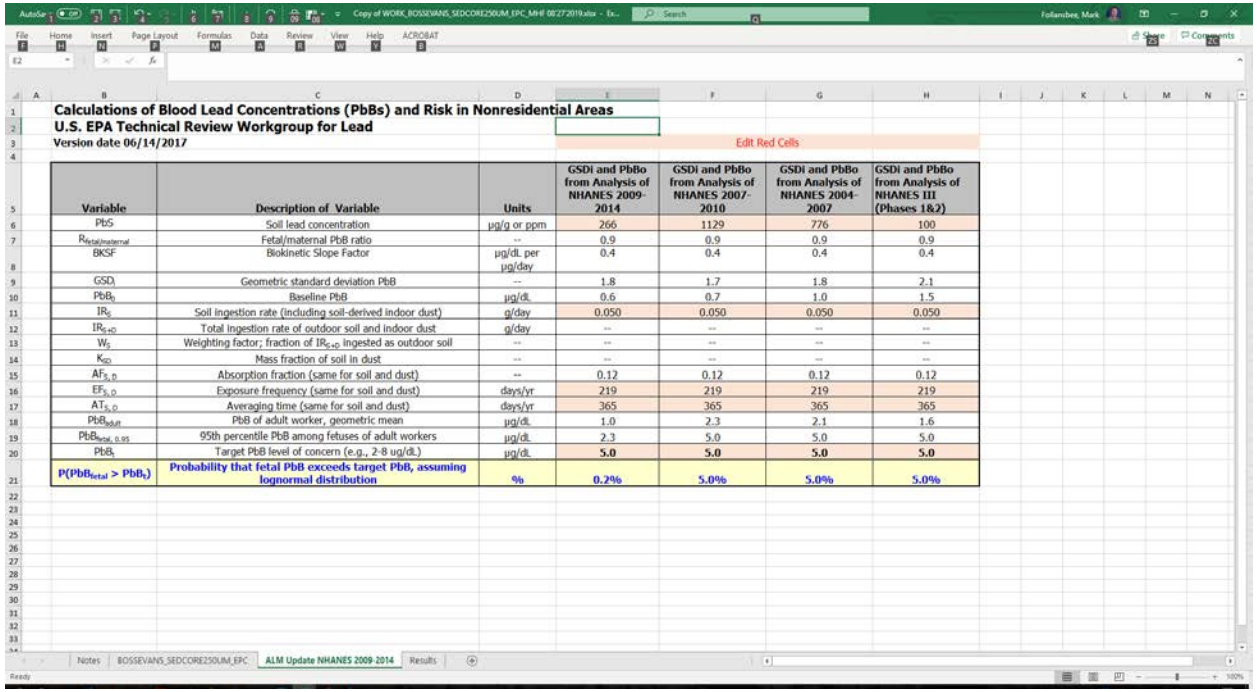
Calculations of Blood Lead Concentrations (PbBs) and Risk in Nonresidential Areas
U.S. EPA Technical Review Workgroup for Lead
Version date 06/14/2017

Edit Red Cells

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	124	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.8	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.8	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**5.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t, assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

UDU-03



Calculations of Blood Lead Concentrations (PbBs) and Risk in Nonresidential Areas

U.S. EPA Technical Review Workgroup for Lead

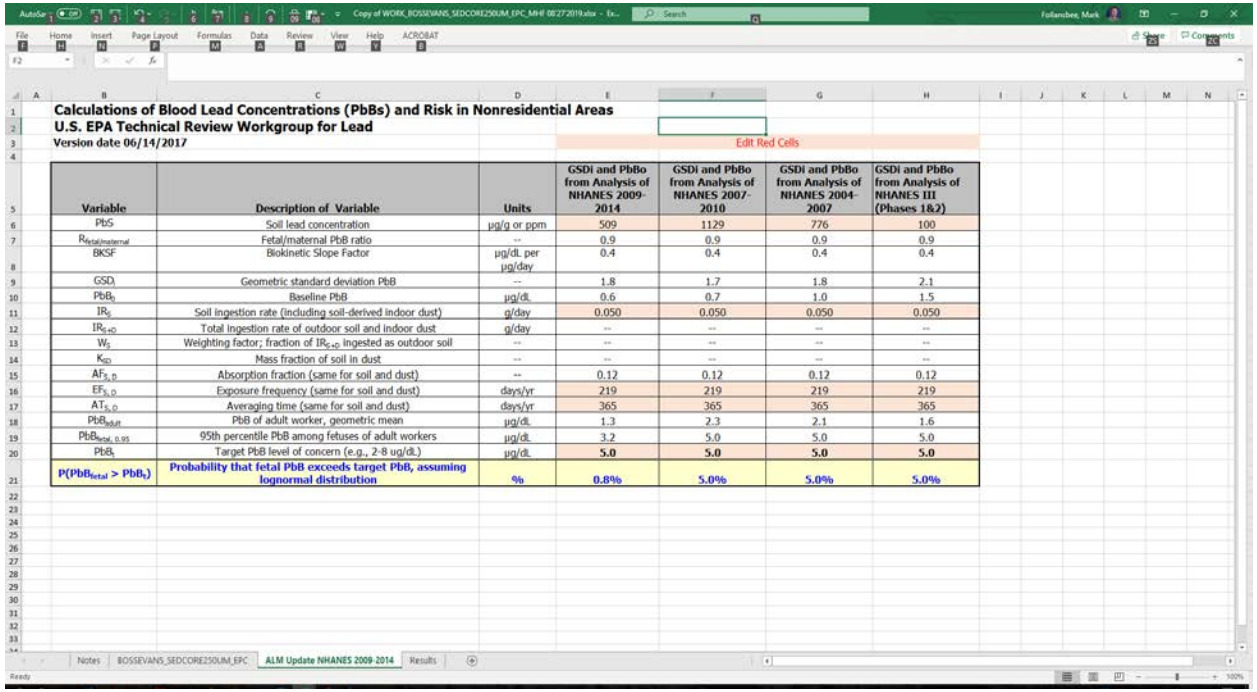
Version date 06/14/2017

Edit Red Cells

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	266	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.0	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.3	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**5.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t assuming lognormal distribution**	**%**	**0.2%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

UDU-04



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U.S. EPA Technical Review Workgroup for Lead

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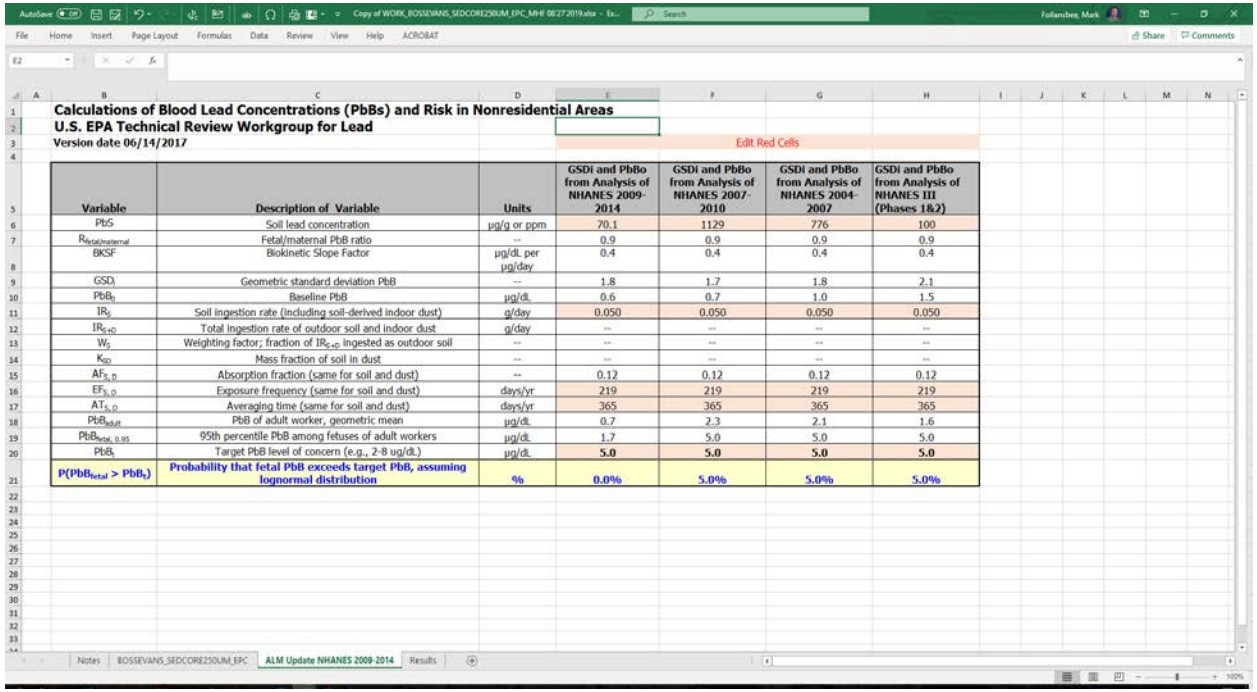
PbS	Soil lead concentration	µg/g or ppm	509	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.3	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	3.2	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**5.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t assuming lognormal distribution**	**%**	**0.8%**	**5.0%**	**5.0%**	**5.0%**

UDU-05



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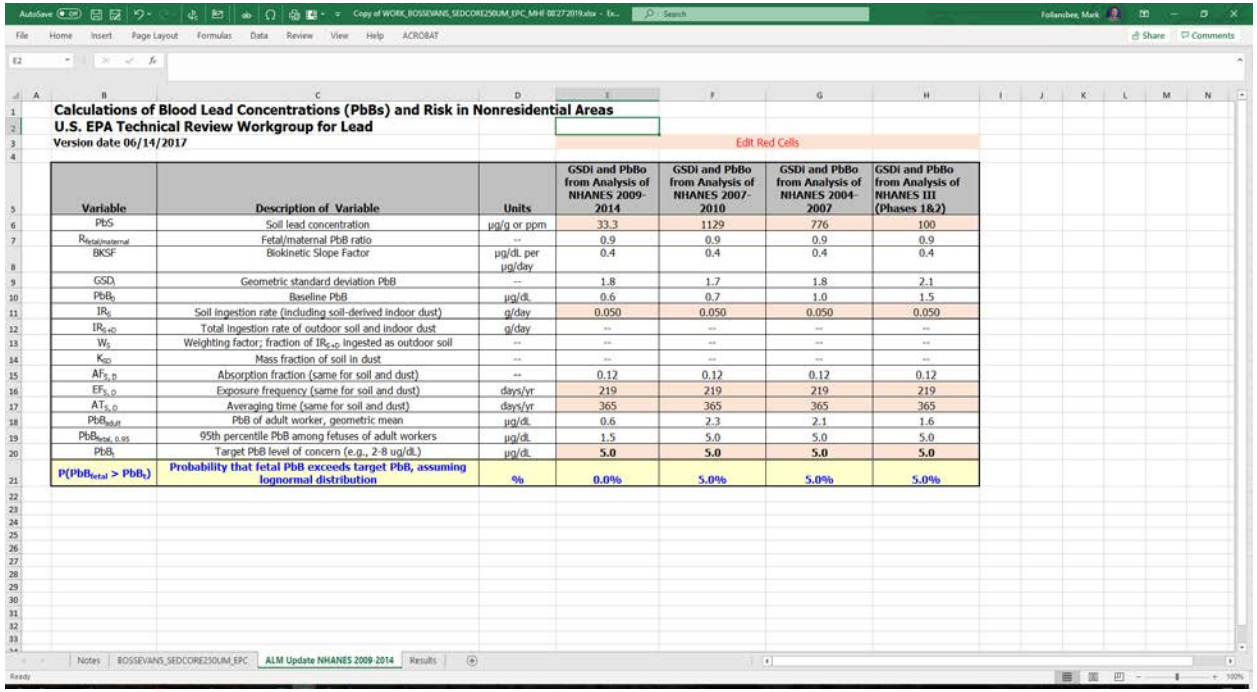
PbS	Soil lead concentration	µg/g or ppm	70.1	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.7	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.7	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**5.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t, assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

UDU-06



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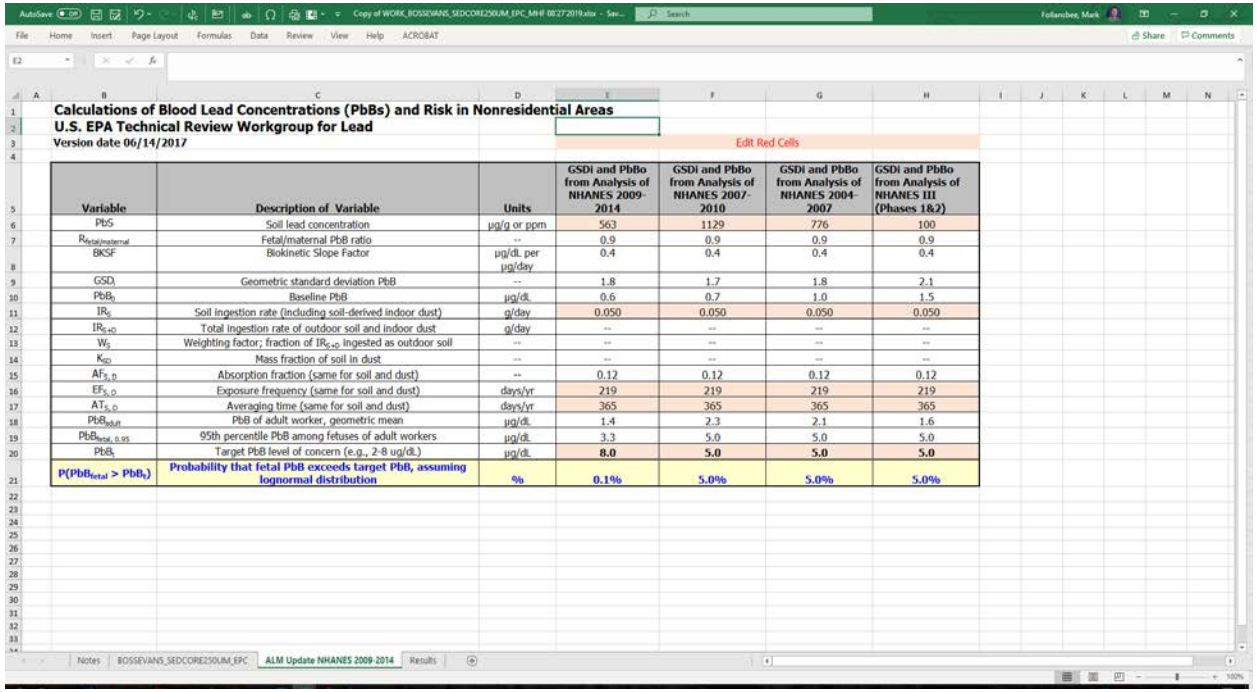
PbS	Soil lead concentration	µg/g or ppm	33.3	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.6	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.5	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**5.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t, assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

UDU-01



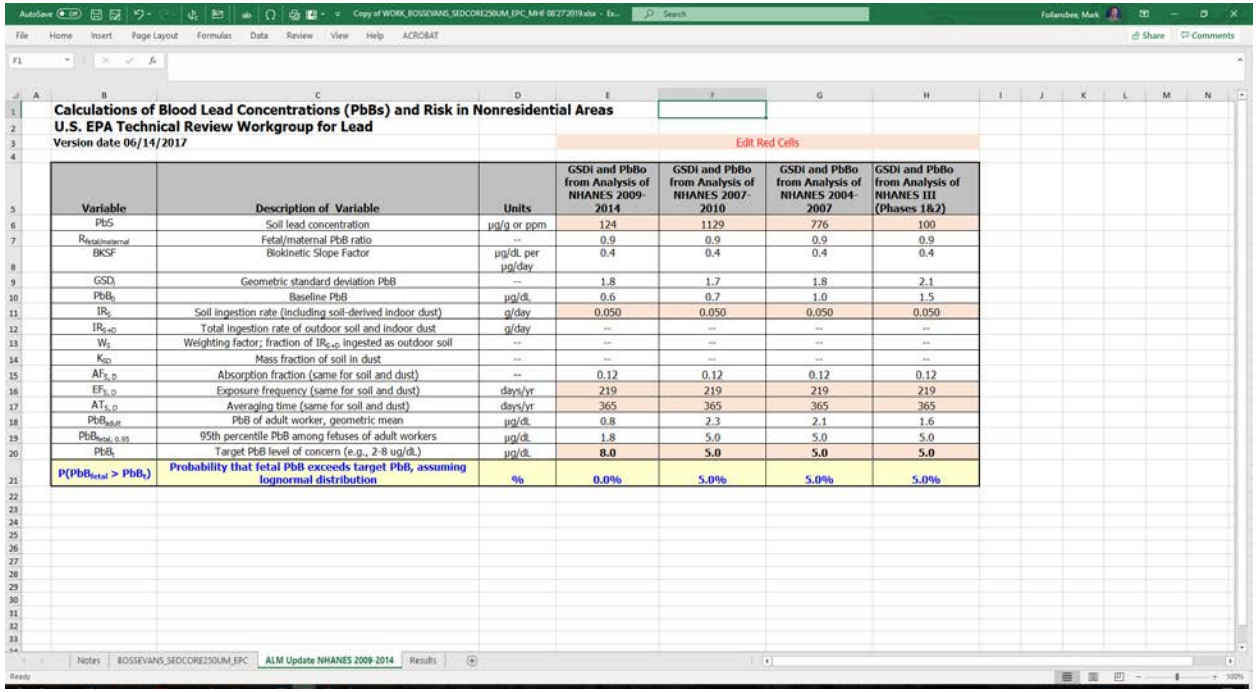
Calculations of Blood Lead Concentrations (PbBs) and Risk in Nonresidential Areas
U.S. EPA Technical Review Workgroup for Lead
Version date 06/14/2017

Edit Red Cells

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	563	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.4	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	3.3	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**8.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t assuming lognormal distribution**	**%**	**0.1%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

UDU-02



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U.S. EPA Technical Review Workgroup for Lead
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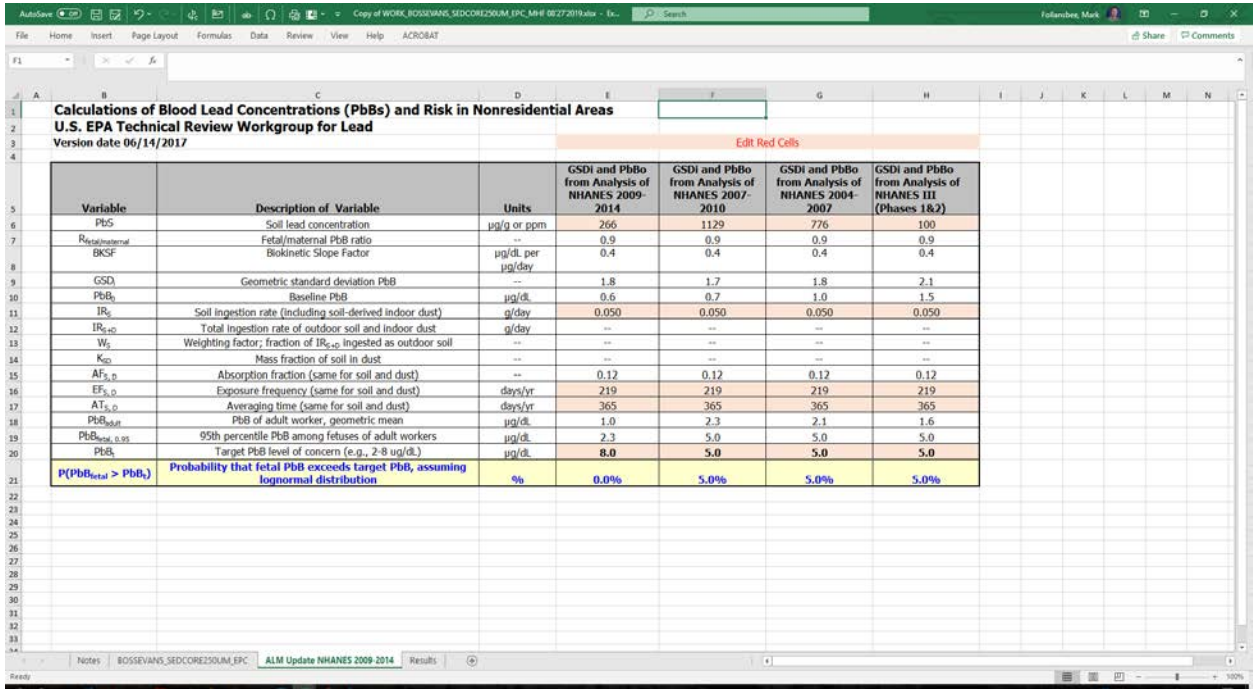
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	124	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.8	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.8	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**8.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

UDU-03



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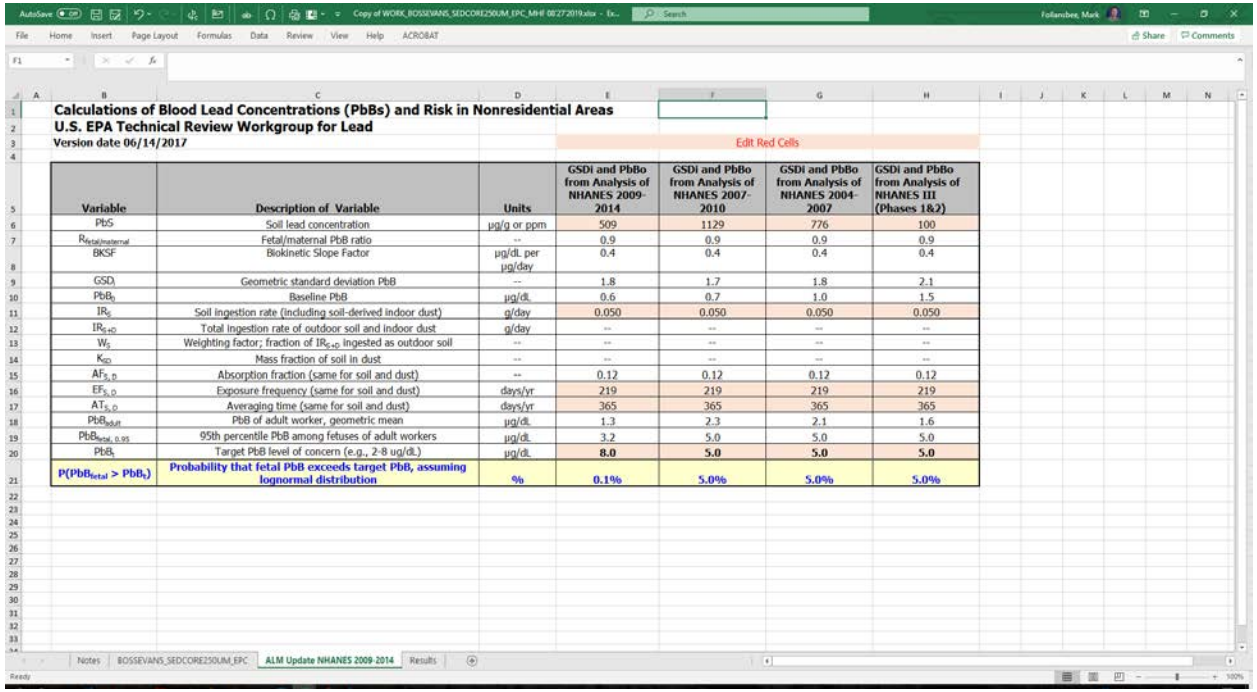
Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	266	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.0	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	2.3	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**8.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t, assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

UDU-04



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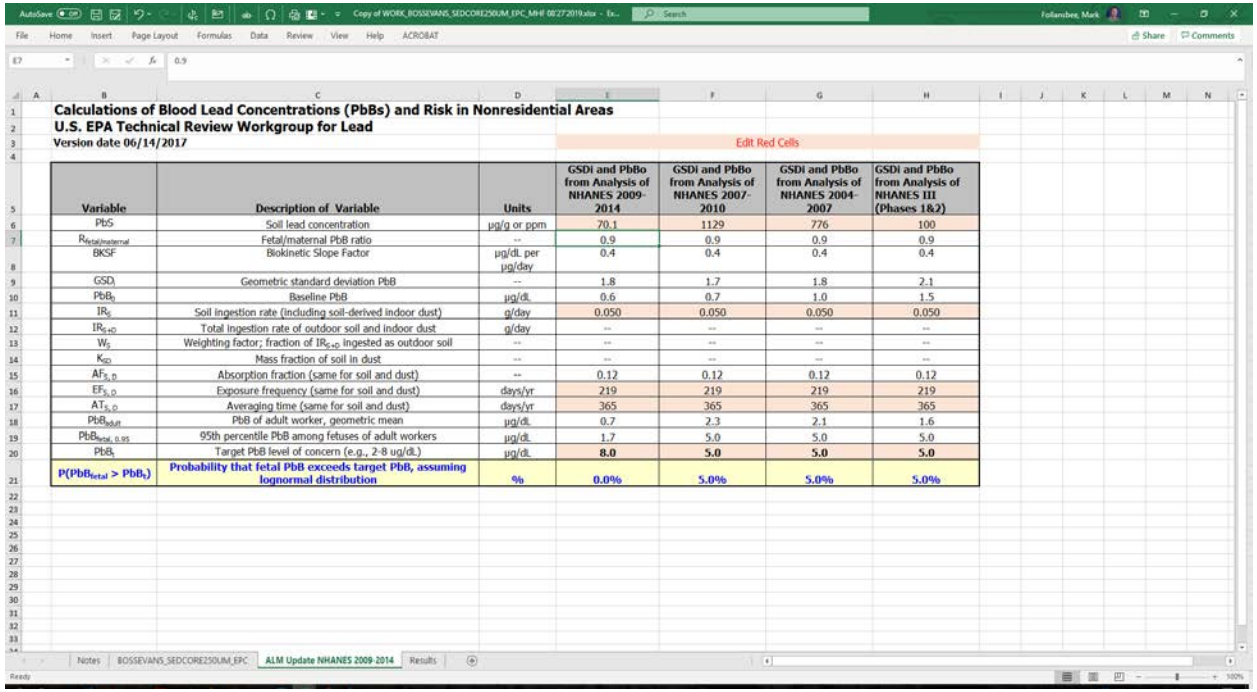
Edit Red Cells

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	509	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	1.3	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	3.2	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**8.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t, assuming lognormal distribution**	**%**	**0.1%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

UDU-05



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Edit Red Cells

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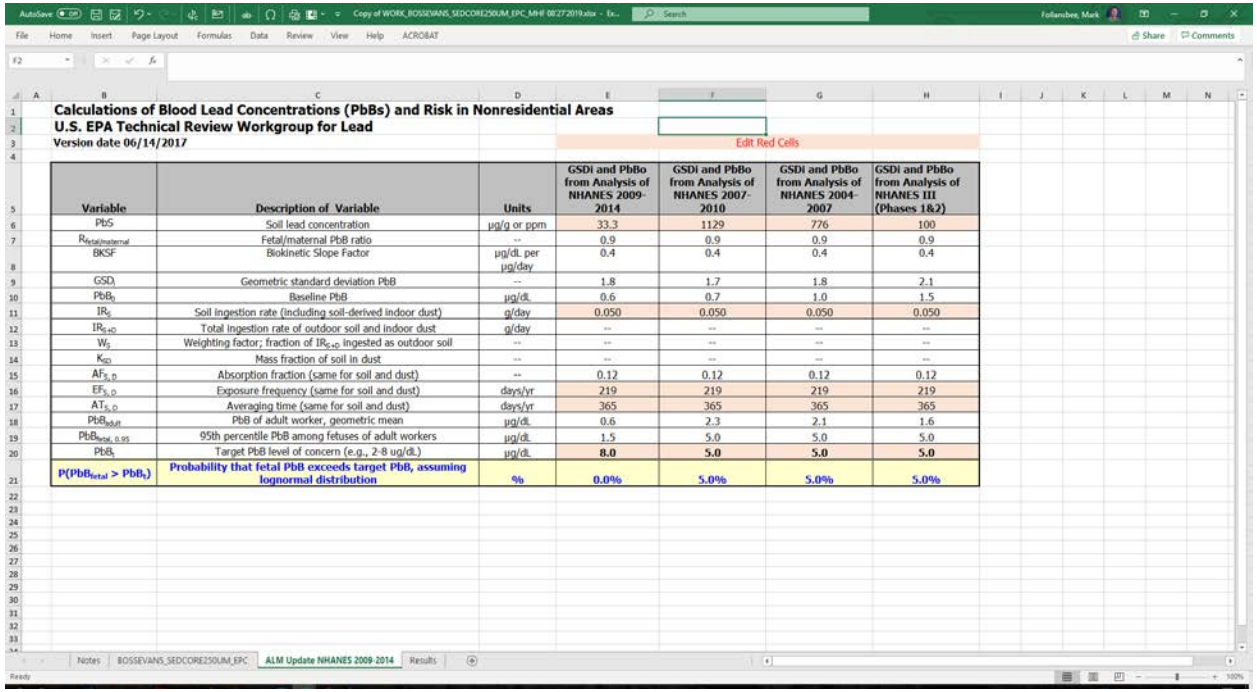
PbS	Soil lead concentration	µg/g or ppm	70.1	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.7	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.7	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**8.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results

UDU-06



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Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 2009-2014	GSDi and PbBo from Analysis of NHANES 2007-2010	GSDi and PbBo from Analysis of NHANES 2004-2007	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	µg/g or ppm	33.3	1129	776	100
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9	0.9	0.9
BKSF	Biokinetic Slope Factor	µg/dL per µg/day	0.4	0.4	0.4	0.4
GSD_i	Geometric standard deviation PbB	--	1.8	1.7	1.8	2.1
PbB_0	Baseline PbB	µg/dL	0.6	0.7	1.0	1.5
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050	0.050	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--	--	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--	--	--	--
K_{SD}	Mass fraction of soil in dust	--	--	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12	0.12	0.12
$EF_{S,O}$	Exposure frequency (same for soil and dust)	days/yr	219	219	219	219
$AT_{S,O}$	Averaging time (same for soil and dust)	days/yr	365	365	365	365
PbB_{adult}	PbB of adult worker, geometric mean	µg/dL	0.6	2.3	2.1	1.6
$PbB_{fetal,\ 0.95}$	95th percentile PbB among fetuses of adult workers	µg/dL	1.5	5.0	5.0	5.0
PbB_t	Target PbB level of concern (e.g., 2-8 ug/dL)	µg/dL	**8.0**	**5.0**	**5.0**	**5.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB exceeds target PbB_t assuming lognormal distribution**	**%**	**0.0%**	**5.0%**	**5.0%**	**5.0%**

Notes | BOSSEVANS_SEDCORE250UM_EPC | ALM Update NHANES 2009-2014 | Results